

## QC Summary



## Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ93999-001

Matrix: Aqueous

Batch: 93999

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	01/03/2019 2028
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	01/03/2019 2028
Benzene	ND		1	1.0	0.40	ug/L	01/03/2019 2028
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	01/03/2019 2028
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	01/03/2019 2028
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	01/03/2019 2028
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	01/03/2019 2028
Ethanol	ND		1	100	40	ug/L	01/03/2019 2028
Ethylbenzene	ND		1	1.0	0.40	ug/L	01/03/2019 2028
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	01/03/2019 2028
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	01/03/2019 2028
Naphthalene	ND		1	1.0	0.40	ug/L	01/03/2019 2028
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	01/03/2019 2028
Toluene	ND		1	1.0	0.40	ug/L	01/03/2019 2028
Xylenes (total)	ND		1	1.0	0.40	ug/L	01/03/2019 2028

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		112	70-130

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ93999-002

Matrix: Aqueous

Batch: 93999

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	104	70-130	01/03/2019 1936
tert-Amyl methyl ether (TAME)	50	52		1	105	70-130	01/03/2019 1936
Benzene	50	48		1	95	70-130	01/03/2019 1936
tert-Butyl formate (TBF)	250	280		1	112	70-130	01/03/2019 1936
1,2-Dichloroethane	50	49		1	99	70-130	01/03/2019 1936
Diisopropyl ether (IPE)	50	57		1	115	70-130	01/03/2019 1936
3,3-Dimethyl-1-butanol	1000	1000		1	100	70-130	01/03/2019 1936
Ethanol	5000	5600		1	112	70-130	01/03/2019 1936
Ethylbenzene	50	49		1	98	70-130	01/03/2019 1936
Ethyl-tert-butyl ether (ETBE)	50	54		1	107	70-130	01/03/2019 1936
Methyl tertiary butyl ether (MTBE)	50	52		1	105	70-130	01/03/2019 1936

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

Shealy Environmental Services, Inc.

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ93999-002

Matrix: Aqueous

Batch: 93999

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	53		1	106	70-130	01/03/2019 1936
tert-butyl alcohol (TBA)	1000	1000		1	103	70-130	01/03/2019 1936
Toluene	50	50		1	100	70-130	01/03/2019 1936
Xylenes (total)	100	98		1	98	70-130	01/03/2019 1936
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		100	70-130				
Bromofluorobenzene		104	70-130				
Toluene-d8		108	70-130				

## Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ94009-001

Matrix: Aqueous

Batch: 94009

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	01/03/2019 2333
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	01/03/2019 2333
Benzene	ND		1	1.0	0.40	ug/L	01/03/2019 2333
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	01/03/2019 2333
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	01/03/2019 2333
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	01/03/2019 2333
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	01/03/2019 2333
Ethanol	ND		1	100	40	ug/L	01/03/2019 2333
Ethylbenzene	ND		1	1.0	0.40	ug/L	01/03/2019 2333
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	01/03/2019 2333
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	01/03/2019 2333
Naphthalene	ND		1	1.0	0.40	ug/L	01/03/2019 2333
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	01/03/2019 2333
Toluene	ND		1	1.0	0.40	ug/L	01/03/2019 2333
Xylenes (total)	ND		1	1.0	0.40	ug/L	01/03/2019 2333
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		95	70-130				
Bromofluorobenzene		97	70-130				
Toluene-d8		99	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ94009-002

Matrix: Aqueous

Batch: 94009

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	110	70-130	01/03/2019 2246
tert-Amyl methyl ether (TAME)	50	58		1	116	70-130	01/03/2019 2246
Benzene	50	56		1	113	70-130	01/03/2019 2246
tert-Butyl formate (TBF)	250	300		1	120	70-130	01/03/2019 2246
1,2-Dichloroethane	50	57		1	115	70-130	01/03/2019 2246
Diisopropyl ether (IPE)	50	64		1	127	70-130	01/03/2019 2246
3,3-Dimethyl-1-butanol	1000	1100		1	111	70-130	01/03/2019 2246
Ethanol	5000	5400		1	108	70-130	01/03/2019 2246
Ethylbenzene	50	58		1	116	70-130	01/03/2019 2246
Ethyl-tert-butyl ether (ETBE)	50	57		1	113	70-130	01/03/2019 2246
Methyl tertiary butyl ether (MTBE)	50	55		1	109	70-130	01/03/2019 2246
Naphthalene	50	53		1	106	70-130	01/03/2019 2246
tert-butyl alcohol (TBA)	1000	1100		1	107	70-130	01/03/2019 2246
Toluene	50	57		1	114	70-130	01/03/2019 2246
Xylenes (total)	100	120		1	116	70-130	01/03/2019 2246
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		96	70-130				
Bromofluorobenzene		96	70-130				
Toluene-d8		99	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: TL28015-034MS

Matrix: Aqueous

Batch: 94009

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	32000	500000	520000		500	97	70-130	01/04/2019 0735
tert-Amyl methyl ether (TAME)	ND	25000	26000		500	105	70-130	01/04/2019 0735
Benzene	9800	25000	35000		500	102	70-130	01/04/2019 0735
tert-Butyl formate (TBF)	ND	130000	130000		500	103	70-130	01/04/2019 0735
1,2-Dichloroethane	ND	25000	26000		500	104	70-130	01/04/2019 0735
Diisopropyl ether (IPE)	ND	25000	29000		500	115	70-130	01/04/2019 0735
3,3-Dimethyl-1-butanol	ND	500000	490000		500	97	70-130	01/04/2019 0735
Ethanol	2400000	2500000	4500000		500	85	70-130	01/04/2019 0735
Ethylbenzene	5500	25000	31000		500	103	70-130	01/04/2019 0735
Ethyl-tert-butyl ether (ETBE)	ND	25000	25000		500	101	70-130	01/04/2019 0735
Methyl tertiary butyl ether (MTBE)	ND	25000	24000		500	97	70-130	01/04/2019 0735

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DL = Detection Limit

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+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

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## Volatile Organic Compounds by GC/MS - MS

Sample ID: TL28015-034MS

Matrix: Aqueous

Batch: 94009

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date	
Naphthalene	3100	25000	25000		500	89	70-130	01/04/2019 0735	
tert-butyl alcohol (TBA)	ND	500000	470000		500	94	70-130	01/04/2019 0735	
Toluene	49000	25000	75000		500	107	70-130	01/04/2019 0735	
Xylenes (total)	32000	50000	80000		500	97	70-130	01/04/2019 0735	
Surrogate	Q	% Rec	Acceptance Limit						
1,2-Dichloroethane-d4		96	70-130						
Bromofluorobenzene		95	70-130						
Toluene-d8		97	70-130						

## Volatile Organic Compounds by GC/MS - MSD

Sample ID: TL28015-034MD

Matrix: Aqueous

Batch: 94009

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	32000	500000	510000		500	96	0.29	70-130	20	01/04/2019 0759
tert-Amyl methyl ether (TAME)	ND	25000	26000		500	104	0.75	70-130	20	01/04/2019 0759
Benzene	9800	25000	35000		500	103	0.72	70-130	20	01/04/2019 0759
tert-Butyl formate (TBF)	ND	130000	130000		500	103	0.58	70-130	20	01/04/2019 0759
1,2-Dichloroethane	ND	25000	26000		500	104	0.12	70-130	20	01/04/2019 0759
Diisopropyl ether (IPE)	ND	25000	28000		500	112	2.3	70-130	20	01/04/2019 0759
3,3-Dimethyl-1-butanol	ND	500000	490000		500	98	1.3	70-130	20	01/04/2019 0759
Ethanol	2400000	2500000	2300000	N,+	500	-2.5	64	70-130	20	01/04/2019 0759
Ethylbenzene	5500	25000	32000		500	105	2.1	70-130	20	01/04/2019 0759
Ethyl-tert-butyl ether (ETBE)	ND	25000	25000		500	98	2.3	70-130	20	01/04/2019 0759
Methyl tertiary butyl ether (MTBE)	ND	25000	24000		500	96	0.76	70-130	20	01/04/2019 0759
Naphthalene	3100	25000	25000		500	86	3.0	70-130	20	01/04/2019 0759
tert-butyl alcohol (TBA)	ND	500000	470000		500	94	0.58	70-130	20	01/04/2019 0759
Toluene	49000	25000	75000		500	104	1.2	70-130	20	01/04/2019 0759
Xylenes (total)	32000	50000	80000		500	97	0.048	70-130	20	01/04/2019 0759
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		95	70-130							
Bromofluorobenzene		98	70-130							
Toluene-d8		99	70-130							

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ94063-001

Matrix: Aqueous

Batch: 94063

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	01/04/2019 1320
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	01/04/2019 1320
Benzene	ND		1	1.0	0.40	ug/L	01/04/2019 1320
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	01/04/2019 1320
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	01/04/2019 1320
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	01/04/2019 1320
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	01/04/2019 1320
Ethanol	ND		1	100	40	ug/L	01/04/2019 1320
Ethylbenzene	ND		1	1.0	0.40	ug/L	01/04/2019 1320
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	01/04/2019 1320
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	01/04/2019 1320
Naphthalene	ND		1	1.0	0.40	ug/L	01/04/2019 1320
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	01/04/2019 1320
Toluene	ND		1	1.0	0.40	ug/L	01/04/2019 1320
Xylenes (total)	ND		1	1.0	0.40	ug/L	01/04/2019 1320
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		100	70-130				
Bromofluorobenzene		100	70-130				
Toluene-d8		100	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ94063-002

Matrix: Aqueous

Batch: 94063

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	107	70-130	01/04/2019 1235
tert-Amyl methyl ether (TAME)	50	54		1	108	70-130	01/04/2019 1235
Benzene	50	50		1	100	70-130	01/04/2019 1235
tert-Butyl formate (TBF)	250	310		1	122	70-130	01/04/2019 1235
1,2-Dichloroethane	50	53		1	106	70-130	01/04/2019 1235
Diisopropyl ether (IPE)	50	58		1	115	70-130	01/04/2019 1235
3,3-Dimethyl-1-butanol	1000	1100		1	110	70-130	01/04/2019 1235
Ethanol	5000	5400		1	109	70-130	01/04/2019 1235
Ethylbenzene	50	52		1	104	70-130	01/04/2019 1235
Ethyl-tert-butyl ether (ETBE)	50	54		1	109	70-130	01/04/2019 1235
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	01/04/2019 1235

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ94063-002

Matrix: Aqueous

Batch: 94063

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	53		1	105	70-130	01/04/2019 1235
tert-butyl alcohol (TBA)	1000	1100		1	106	70-130	01/04/2019 1235
Toluene	50	52		1	104	70-130	01/04/2019 1235
Xylenes (total)	100	110		1	105	70-130	01/04/2019 1235
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		98	70-130				
Bromofluorobenzene		102	70-130				
Toluene-d8		100	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: TL28015-020MS

Matrix: Aqueous

Batch: 94063

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	3700	100000	110000		100	107	70-130	01/04/2019 1933
tert-Amyl methyl ether (TAME)	ND	5000	5500		100	110	70-130	01/04/2019 1933
Benzene	2200	5000	7400		100	105	70-130	01/04/2019 1933
tert-Butyl formate (TBF)	ND	25000	28000		100	112	70-130	01/04/2019 1933
1,2-Dichloroethane	ND	5000	5600		100	111	70-130	01/04/2019 1933
Diisopropyl ether (IPE)	ND	5000	5700		100	114	70-130	01/04/2019 1933
3,3-Dimethyl-1-butanol	ND	100000	110000		100	111	70-130	01/04/2019 1933
Ethanol	ND	500000	580000		100	116	70-130	01/04/2019 1933
Ethylbenzene	780	5000	6200		100	109	70-130	01/04/2019 1933
Ethyl-tert-butyl ether (ETBE)	ND	5000	5400		100	108	70-130	01/04/2019 1933
Methyl tertiary butyl ether (MTBE)	ND	5000	5300		100	106	70-130	01/04/2019 1933
Naphthalene	87	5000	5200		100	103	70-130	01/04/2019 1933
tert-butyl alcohol (TBA)	ND	100000	110000		100	108	70-130	01/04/2019 1933
Toluene	9400	5000	15000		100	108	70-130	01/04/2019 1933
Xylenes (total)	3900	10000	15000		100	108	70-130	01/04/2019 1933
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		101	70-130					
Bromofluorobenzene		100	70-130					
Toluene-d8		100	70-130					

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

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# Volatile Organic Compounds by GC/MS - MSD

Sample ID: TL28015-020MD

Matrix: Aqueous

Batch: 94063

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	3700	100000	110000	100	107	0.18	70-130	20	01/04/2019 1955	
tert-Amyl methyl ether (TAME)	ND	5000	5500	100	109	0.15	70-130	20	01/04/2019 1955	
Benzene	2200	5000	7400	100	105	0.24	70-130	20	01/04/2019 1955	
tert-Butyl formate (TBF)	ND	25000	26000	100	106	5.8	70-130	20	01/04/2019 1955	
1,2-Dichloroethane	ND	5000	5600	100	112	0.11	70-130	20	01/04/2019 1955	
Diisopropyl ether (IPE)	ND	5000	5800	100	116	1.6	70-130	20	01/04/2019 1955	
3,3-Dimethyl-1-butanol	ND	100000	110000	100	111	0.061	70-130	20	01/04/2019 1955	
Ethanol	ND	500000	560000	100	111	3.9	70-130	20	01/04/2019 1955	
Ethylbenzene	780	5000	6200	100	109	0.074	70-130	20	01/04/2019 1955	
Ethyl-tert-butyl ether (ETBE)	ND	5000	5400	100	108	0.57	70-130	20	01/04/2019 1955	
Methyl tertiary butyl ether (MTBE)	ND	5000	5300	100	106	0.037	70-130	20	01/04/2019 1955	
Naphthalene	87	5000	5300	100	103	0.14	70-130	20	01/04/2019 1955	
tert-butyl alcohol (TBA)	ND	100000	110000	100	107	1.3	70-130	20	01/04/2019 1955	
Toluene	9400	5000	15000	100	108	0.0078	70-130	20	01/04/2019 1955	
Xylenes (total)	3900	10000	15000	100	108	0.43	70-130	20	01/04/2019 1955	

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

LOD = Limit of Detection

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## EDB & DBCP by Microextraction - MB

Sample ID: UQ93811-001

Matrix: Aqueous

Batch: 93811

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 921

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	01/02/2019 1221
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		88	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: UQ93811-002

Matrix: Aqueous

Batch: 93811

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 921

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.26		1	102	60-140	01/02/2019 1232
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		87	57-137				

## EDB & DBCP by Microextraction - MB

Sample ID: UQ93835-001

Matrix: Aqueous

Batch: 93835

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1115

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	01/03/2019 1909
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		84	57-137				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - LCS

Sample ID: UQ93835-002

Matrix: Aqueous

Batch: 93835

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1115

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.23		1	91	60-140	01/03/2019 1919
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		87	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: TL28015-008MS

Matrix: Aqueous

Batch: 93835

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1115

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.20		1	82	60-140	01/03/2019 1941
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		73	57-137					

## EDB & DBCP by Microextraction - Duplicate

Sample ID: TL28015-009DU

Matrix: Aqueous

Batch: 93835

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1115

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	01/03/2019 2002
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		71	57-137				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - MB

Sample ID: UQ93836-001

Matrix: Aqueous

Batch: 93836

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1120

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.020	ug/L	01/03/2019 2335
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		91	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: UQ93836-002

Matrix: Aqueous

Batch: 93836

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1120

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.26		1	106	60-140	01/03/2019 2346
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		90	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: TL28015-028MS

Matrix: Aqueous

Batch: 93836

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1120

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.25		1	98	60-140	01/04/2019 0007
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		85	57-137					

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - Duplicate

Sample ID: TL28015-029DU

Matrix: Aqueous

Batch: 93836

Prep Method: 8011

Analytical Method: 8011

Prep Date: 01/02/2019 1120

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	01/04/2019 0029
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		115	57-137				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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**Chain of Custody  
and  
Miscellaneous Documents**



# Chain of Custody Record

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 Telephone No. 803-791-9700 Fax No. 803-791-9111  
 www.shealylab.com

Number **91075**

Client <b>Tony Environmental Services</b>		Report to Contact <b>Kelly Cone</b>		Telephone No. / E-mail <b>843-873-8200</b>		Quote No.	
Address <b>Po Box 25</b>		Sampler's Signature <i>Bethany Farmer</i>		Analysis (Attach list if more space is needed)		Page <b>1 of 5</b>	
City <b>Summerville</b>	State <b>SC</b>	Zip Code <b>29184</b>	Printed Name <b>Bethany Farmer</b>		 <b>TL28015</b> K1102 Remarks / Cooler I.D.		
Project Name <b>Marij Fundal (Four Winisr Mnt)</b>		Project No. <b>2171-9K</b>		P.O. No.			
Sample ID / Description (Containers for each sample may be combined on one line.)		Date	Time	Matrix		No. of Containers by Preservative Type	
<del>02314 MW1</del>				<del>↓ ↓</del>		<del>3 2</del>	
MW2R		12-25-18	1031	↓ ↓		3 2	
MW3		12-27-18	1852	↓ ↓		↓ ↓	
<del>MW4</del>				<del>↓ ↓</del>		<del>3 2</del>	
MW5		12-28-18	0849	↓ ↓		3 2	
MW6		12-27-18	1927	↓ ↓		↓ ↓	
MW7		↓	2035	↓ ↓		↓ ↓	
MW8		↓	2051	↓ ↓		↓ ↓	
MW9		12-26-18	1534	↓ ↓		↓ ↓	
MW10		12-20-18	1054	↓ ↓		↓ ↓	
Turn Around Time Required (Prior lab approval required for expedited TAT.) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		Sample Disposal: <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		Potential Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown		QC Requirements (Specify)	
1. Relinquished by <i>Bethany Farmer</i>		Date 12-28-18	Time 1248	1. Received by		Date	Time
2. Relinquished by		Date	Time	2. Received by		Date	Time
3. Relinquished by		Date	Time	3. Received by		Date	Time
4. Relinquished by		Date	Time	4. Laboratory received by <i>John Brown</i>		Date 12-28-18	Time 1248
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAB USE ONLY Received on Ice (Circle) <input checked="" type="checkbox"/> No Ice Pack		Receipt Temp <b>2.6</b> °C	

SHEALY ENVIRONMENTAL SERVICES, INC.



**Chain of Custody Record**

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Number **91076**

Quote No.

Page **2** of **5**



**TL28015**

RVV2

Refrigerate / Cooler I.D.

Client <b>Tony Environmental Services</b>		Report to Contact <b>Kelly Cone</b>		Telephone No. / E-mail <b>843 873 8200</b>		Quote No.	
Address <b>PO Box 25</b>		Sampler's Signature <i>Bethany Farmer</i>		Analysis (Attach list if more space is needed)		Page <b>2</b> of <b>5</b>	
City <b>Summerville</b>	State <b>SC</b>	Zip Code <b>29484</b>	Printed Name <b>Bethany Farmer</b>	No of Containers by Preservation Type MW11 158 MW12 158 MW13 158 MW15 158 MW16 158 MW17 158 MW18 158 MW20 158 3 2			
Project Name <b>Mammoth Pond (Fire Works or Mart)</b>		P.C. No.					
Project No. <b>2719K</b>	Sample ID / Description (Containers for each sample may be continued on one line)		Date	Time	Matrix	No. of Containers by Preservation Type	
	<b>MW11</b>	<b>12-26-18</b>	<b>1707</b>	<b>G X</b>		<b>5</b>	<b>3 2</b>
	<b>MW12</b>	<b>12-27-18</b>	<b>1837</b>	<b>↓ ↓</b>		<b>↓ ↓</b>	<b>↓ ↓</b>
	<b>MW13</b>	<b>12-27-18</b>	<b>1730</b>	<b>↓ ↓</b>		<b>↓ ↓</b>	<b>↓ ↓</b>
	<del><b>MW14</b></del>						
	<b>MW15</b>	<b>12-27-18</b>	<b>1939</b>	<b>G X</b>		<b>5</b>	<b>3 2</b>
	<b>MW16</b>	<b>12-26-18</b>	<b>1503</b>	<b>↓ ↓</b>		<b>↓ ↓</b>	<b>↓ ↓</b>
	<b>MW17</b>	<b>12-26-18</b>	<b>1519</b>	<b>↓ ↓</b>		<b>↓ ↓</b>	<b>↓ ↓</b>
	<b>MW18</b>	<b>12-26-18</b>	<b>1450</b>	<b>↓ ↓</b>		<b>↓ ↓</b>	<b>↓ ↓</b>
	<del><b>MW19</b></del>						
	<b>MW20</b>	<b>12-27-18</b>	<b>1628</b>	<b>G X</b>		<b>5</b>	<b>3 2</b>
Turn Around Time Required (Prior lab approval required for expedited IAF.) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab		Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown		QC Requirements (Specify)	
1. Relinquished by <i>Bethany Farmer</i>		Date <b>12-28-18</b>	Time <b>12:48</b>	1. Received by		Date	Time
2. Relinquished by		Date	Time	2. Received by		Date	Time
3. Relinquished by		Date	Time	3. Received by		Date	Time
4. Relinquished by		Date	Time	4. Laboratory received by <i>Jim Brown</i>		Date <b>12-28-18</b>	Time <b>12:48</b>
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAB USE ONLY Refrigerate or Ice (Circle) <input checked="" type="radio"/> Yes <input type="radio"/> No Ice Pack Receipt Temp <b>2.6</b> °C			

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AO-193 Effective Date: 08-01-2014


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Number **91077**

Client <b>Tony Environmental Services</b>		Report to Contact <b>Kelly Cane</b>		Telephone No. / E-mail <b>873 873 8200</b>		Quote No.	
Address <b>PO Box 25</b>		Sampler's Signature <b>x Bethany Farmer</b>		Analysis (Attach list if more space is needed)		Page <b>3 of 5</b>	
City <b>Summerville</b>	State <b>SC</b>	Zip Code <b>29484</b>	Printed Name <b>Bethany Farmer</b>		 <b>TL28015</b> KLR Remarks / Cooler I.D.		
Project Name <b>Manly Pond (For Windsor Mnt)</b>		Project No. <b>2/71.9K</b>		P.O. No.			
Sample ID / Description (Containers for each sample may be combined on one line.)		Date	Time	Substrate Analysis			Matrix
<b>02314</b>	<b>MW21</b>	<b>12-26-18</b>	<b>1325</b>	<b>9X</b>		<b>S</b>	
	<b>MW22</b>	<b>12-26-18</b>	<b>1243</b>				
	<b>MW23</b>	<b>12-27-18</b>	<b>1513</b>				
	<b>MW24</b>	<b>12-26-18</b>	<b>1746</b>				
	<b>MW25</b>	<b>12-27-18</b>	<b>1529</b>				
	<b>MW26</b>	<b>12-26-18</b>	<b>1255</b>				
	<b>MW27</b>	<b>12-27-18</b>	<b>1550</b>				
	<b>DW1</b>	<b>12-26-18</b>	<b>1630</b>				
	<b>DW2</b>	<b>12-26-18</b>	<b>1356</b>				
	<b>DW3</b>	<b>12-26-18</b>	<b>1228</b>				
Turn Around Time Required (Prior lab approval required for expedited TAT) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab		Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown		QC Requirements (Specify)	
1. Received by <b>Bethany Farmer</b>		Date <b>12-29-18</b>	Time <b>1248</b>	1. Received by		Date	
2. Reinspected by		Date	Time	2. Received by		Date	
3. Reinspected by		Date	Time	3. Received by		Date	
4. Reinspected by		Date	Time	4. Laboratory received by <b>Grim Braun</b>		Date <b>12-28-18</b> Time <b>1248</b>	
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAB USE ONLY Received on ice (Circle) <input checked="" type="radio"/> Yes <input type="radio"/> No Ice Pack		Receipt Temp. <b>2.6</b> °C	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AO-133 Effective Date: 06-01-2014



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Number **91078**

Client <b>Terry Environmental Services</b>			Report to Contact <b>Kelly Cone</b>			Telephone No. / E-mail <b>843-873-8200</b>			Quote No.						
Address <b>PO Box 25</b>			Sampler's Signature <i>Bethany Farmer</i>			Analysis (Attach list if more space is needed)			Page <b>4</b> of <b>5</b>						
City <b>Summerville</b>		State <b>SC</b>	Zip Code <b>29184</b>		Printed Name <b>Bethany Farmer</b>			<p><b>TL28015</b></p> <p>KMI2</p> <p>Remsiz / Cooler I.D.</p>							
Project Name <b>Marsh Pondal (Four Windsor Mnt)</b>			Project No. <b>271 9K</b>			P.O. No.									
Sample ID / Description <small>(Containers for each sample may be contained on one line)</small>		Date	Time	Collect Container	Matrix	No. of Constituents by Preservative Type									
						As	Se	Me	Vo	Mo	Co	So	Other		
<b>02314</b>	<b>RW1</b>	<b>12-28-18</b>	<b>0946</b>	<b>G X</b>					<b>5</b>						
	<b>RW2</b>	<b>12-28-18</b>	<b>1015</b>												
	<b>RW3</b>	<b>12-27-18</b>	<b>1815</b>												
	<b>RW4</b>	<b>12-27-18</b>	<b>1759</b>												
	<b>RW5</b>	<b>12-27-18</b>	<b>1700</b>												
	<b>SW1 dpc</b>	<b>12-27-18</b>	<b>0835</b>	<b>V V</b>											
<del>SW2 dpc</del>															
	<b>MW2 dpc</b>	<b>12-26-18</b>	<b>1748</b>	<b>G X</b>					<b>5</b>			<b>3</b>	<b>2</b>		
	<b>PW4 dpc</b>	<b>12-27-18</b>	<b>1801</b>												
	<b>FBI</b>	<b>12-26-18</b>	<b>1200</b>	<b>V V</b>											
Turn Around Time Required (Prior lab approval required for expedited TAT.) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)				Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab				Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown				QC Requirements (Specify)			
1. Relinquished by <i>Bethany Farmer</i>		Date <b>12-28-18</b>	Time <b>1248</b>		1. Received by		Date	Time		Date		Time			
2. Relinquished by		Date	Time		2. Received by		Date	Time		Date		Time			
3. Relinquished by		Date	Time		3. Received by		Date	Time		Date		Time			
4. Relinquished by		Date	Time		4. Laboratory received by <i>Erin Brown</i>		Date <b>12-28-18</b>	Time <b>1248</b>		Date		Time			
Note: All samples are retained for four weeks from receipt unless other arrangements are made.						LAD USE ONLY Received on Ice (Circle) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Ice Pack		Receipt Temp <b>2.6</b> °C							

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Sample(s); PINK Field/Client Copy

Document Number F-AD-133 Effective Date: 08-01-2014





**Chain of Custody Record**

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106 Vantage Point Drive • West Columbia, SC 29172  
Telephone No. 803-791-9700 Fax No. 803-791-9111  
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Number **91074**

Client: <b>Tommy Environmental Services</b>		Report to Contact: <b>Kelly Cone</b>		Telephone No. / E-mail: <b>803-873-8200</b>		Quote No.			
Address: <b>PO Box 25</b>		Sampler's Signature: <i>[Signature]</i>		Analysis (Attach list if more space is needed)		Page <b>5</b> of <b>5</b>			
City: <b>Simmons</b>		State: <b>SC</b> Zip Code: <b>29484</b>		Printed Name: <b>Bethany Farney</b>		<p><b>TL28015</b></p> <p>HMZ</p> <p>Remarks / Cooler I.D.</p>			
Project Name: <b>Maruti Honda (Fmr W-150 Met)</b>		Project No.: <b>277-9K</b>		P.O. No.					
Sample ID / Description		Date	Time	Matrix	No. of Containers by Preservative Type				BECKMILLER PROX CDDP 8/11
(Containers for each sample may be combined on one line.)					UNPRES	AC	BA	BAZ	
<b>02314</b>	<b>FB2</b>	<b>12-27-18</b>	<b>0825</b>	<b>GX</b>		<b>5</b>			
<b>↓</b>	<b>FB3</b>	<b>12-28-18</b>	<b>0740</b>	<b>↓</b>		<b>↓</b>			
<b>↓</b>	<b>TB</b>	<b>---</b>	<b>---</b>	<b>---</b>		<b>2</b>			
Turn Around Time Required (Prior lab approval required for expedited lab.)		Sample Disposal		Possible Hazard Identification				QC Requirements (Specify)	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown					
1. Relinquished by: <i>Bethany Farney</i>		Date: <b>12-28-18</b>	Time: <b>12:48</b>	1. Received by:				Date:	Time:
2. Relinquished by:		Date:	Time:	2. Received by:				Date:	Time:
3. Relinquished by:		Date:	Time:	3. Received by:				Date:	Time:
4. Relinquished by:		Date:	Time:	4. Laboratory received by: <i>Grin Brown</i>				Date: <b>12-28-18</b>	Time: <b>1248</b>
Notes: All samples are retained for four weeks from receipt unless other arrangements are made.				IAR USE ONLY Received on ice (Circled Yes) <input checked="" type="checkbox"/> No <input type="checkbox"/> Ice Pack		Receptor Temp. <b>2.6</b> °C			

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: FAD-123 Effective Date: 08-01-2014

# SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.  
Document Number: ME0018C-14

Page 1 of 1  
Effective Date: 8/2/2018

## Sample Receipt Checklist (SRC)

Client: Terry Cooler Inspected by/date: ETB / 12.28.18 Lot #: TL28015

Means of receipt: <input type="checkbox"/> SESI <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: _____ Chlorine Strip ID: _____ Tested by: _____	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt: %Solid Snap-Cup ID: _____	
<u>2.6/2.6</u> °C / °C / °C / °C	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: <u>5</u> IR Gun Correction Factor: <u>0</u> °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH <sub>3</sub> /TKN/cyanide/phenol/625 (< 0.5mg/l.) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote # <u>11675</u>

**Sample Preservation** (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) \_\_\_\_\_ were received incorrectly preserved and were adjusted accordingly in sample receiving with \_\_\_\_\_ mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # \_\_\_\_\_.

Time of preservation \_\_\_\_\_. If more than one preservative is needed, please note in the comments below.

Sample(s) \_\_\_\_\_ were received with bubbles >6 mm in diameter.

Samples(s) \_\_\_\_\_ were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) with Shealy ID: \_\_\_\_\_.

SR barcode labels applied by: ETB Date: 12.28.18

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# SHEALY ENVIRONMENTAL SERVICES, INC.

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## Report of Analysis

**Terry Environmental Services, Inc.**

222 Varnfield Drive  
Suite F  
Summerville, SC 29483  
Attention: Kelly Cone

Project Name: Maruti Kundal (F. Windsor Mart)

Project Number: 2171.9K

Lot Number: **TL28014**

Date Completed: 01/04/2019



01/07/2019 2:57 PM

Approved and released by:  
Project Manager: Kelly M. Nance



The electronic signature above is the equivalent of a handwritten signature.  
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# SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

## **Case Narrative Terry Environmental Services, Inc. Lot Number: TL28014**

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

# SHEALY ENVIRONMENTAL SERVICES, INC.

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Sample Summary  
Terry Environmental Services, Inc.  
Lot Number: TL28014

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Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	02314 WSW1	Aqueous	12/28/2018 0758	12/28/2018
002	02314 WSW1 dup	Aqueous	12/28/2018 0800	12/28/2018
003	02314 WSW FB1	Aqueous	12/28/2018 0745	12/28/2018
004	02314 TB	Aqueous	12/28/2018	12/28/2018

---

(4 samples)

# SHEALY ENVIRONMENTAL SERVICES, INC.

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Detection Summary  
Terry Environmental Services, Inc.  
Lot Number: TL28014

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Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
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(0 detections)

Description: 02314 WSW1

Matrix: Aqueous

Date Sampled: 12/28/2018 0758

Date Received: 12/28/2018

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/03/2019 2232	MNS		93999		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Diisopropyl ether (IPE)		108-20-3	8260B	ND		1.0	0.40	ug/L	1
Ethanol		64-17-5	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260B	ND		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260B	ND		1.0	0.40	ug/L	1
tert-Amyl alcohol (TAA)		75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260B	ND		10	0.42	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260B	ND		20	8.0	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260B	ND		5.0	2.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		100	70-130						
Bromofluorobenzene		104	70-130						
Toluene-d8		109	70-130						

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	524.2	524.2	1	01/02/2019 1709	BWS		93874		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene		71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane		107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene		100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene		91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene		108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)		1330-20-7	524.2	ND		0.50	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
Bromofluorobenzene		98	70-130						
1,2-Dichlorobenzene-d4		97	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	01/04/2019 1037	DAL1	01/04/2019 0922	94015		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	504.1	ND		0.0097	0.0039	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW1

Matrix: Aqueous

Date Sampled: 12/28/2018 0758

Date Received: 12/28/2018

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		95	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

Shealy Environmental Services, Inc.

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Description: 02314 WSW1 dup

Matrix: Aqueous

Date Sampled: 12/28/2018 0800

Date Received: 12/28/2018

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/03/2019 2257	MNS		93999		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Diisopropyl ether (IPE)		108-20-3	8260B	ND		1.0	0.40	ug/L	1
Ethanol		64-17-5	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260B	ND		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260B	ND		1.0	0.40	ug/L	1
tert-Amyl alcohol (TAA)		75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260B	ND		10	0.42	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260B	ND		20	8.0	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260B	ND		5.0	2.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		101	70-130						
Bromofluorobenzene		106	70-130						
Toluene-d8		110	70-130						

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	524.2	524.2	1	01/02/2019 1733	BWS		93874		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene		71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane		107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene		100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene		91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene		108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)		1330-20-7	524.2	ND		0.50	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
Bromofluorobenzene		100	70-130						
1,2-Dichlorobenzene-d4		96	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	01/04/2019 1101	DAL1	01/04/2019 0922	94015		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	504.1	ND		0.0097	0.0039	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW1 dup

Matrix: Aqueous

Date Sampled: 12/28/2018 0800

Date Received: 12/28/2018

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		92	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and  $\geq$  DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW FB1

Matrix: Aqueous

Date Sampled: 12/28/2018 0745

Date Received: 12/28/2018

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/03/2019 2323	MNS		93999		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Diisopropyl ether (IPE)		108-20-3	8260B	ND		1.0	0.40	ug/L	1
Ethanol		64-17-5	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260B	ND		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260B	ND		1.0	0.40	ug/L	1
tert-Amyl alcohol (TAA)		75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260B	ND		10	0.42	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260B	ND		20	8.0	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260B	ND		5.0	2.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		100	70-130						
Bromofluorobenzene		106	70-130						
Toluene-d8		110	70-130						

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	524.2	524.2	1	01/02/2019 1758	BWS		93874		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene		71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane		107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene		100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene		91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene		108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)		1330-20-7	524.2	ND		0.50	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
Bromofluorobenzene		101	70-130						
1,2-Dichlorobenzene-d4		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	01/04/2019 1125	DAL1	01/04/2019 0922	94015		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	504.1	ND		0.0096	0.0039	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW FB1

Matrix: Aqueous

Date Sampled: 12/28/2018 0745

Date Received: 12/28/2018

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		90	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and  $\geq$  DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 TB

Matrix: Aqueous

Date Sampled: 12/28/2018

Date Received: 12/28/2018

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260B	1	01/03/2019 2350	MNS		93999		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Diisopropyl ether (IPE)		108-20-3	8260B	ND		1.0	0.40	ug/L	1
Ethanol		64-17-5	8260B	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260B	ND		20	8.0	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260B	ND		1.0	0.40	ug/L	1
tert-Amyl alcohol (TAA)		75-85-4	8260B	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260B	ND		10	0.42	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260B	ND		20	8.0	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260B	ND		5.0	2.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		106	70-130						
Bromofluorobenzene		104	70-130						
Toluene-d8		111	70-130						

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	524.2	524.2	1	01/02/2019 1643	BWS		93874		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene		71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane		107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene		100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene		91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene		108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)		1330-20-7	524.2	ND		0.50	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
Bromofluorobenzene		92	70-130						
1,2-Dichlorobenzene-d4		99	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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## QC Summary

## Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ93874-001

Matrix: Aqueous

Batch: 93874

Prep Method: 524.2

Analytical Method: 524.2

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Benzene	ND		1	0.50	0.40	ug/L	01/02/2019 0958
1,2-Dichloroethane	ND		1	0.50	0.40	ug/L	01/02/2019 0958
Ethylbenzene	ND		1	0.50	0.40	ug/L	01/02/2019 0958
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.40	ug/L	01/02/2019 0958
Naphthalene	ND		1	0.50	0.40	ug/L	01/02/2019 0958
Toluene	ND		1	0.50	0.40	ug/L	01/02/2019 0958
Xylenes (total)	ND		1	0.50	0.40	ug/L	01/02/2019 0958
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		108	70-130				
1,2-Dichlorobenzene-d4		98	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ93874-002

Matrix: Aqueous

Batch: 93874

Prep Method: 524.2

Analytical Method: 524.2

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	5.0	4.7		1	93	70-130	01/02/2019 0923
1,2-Dichloroethane	5.0	4.6		1	91	70-130	01/02/2019 0923
Ethylbenzene	5.0	4.8		1	95	70-130	01/02/2019 0923
Methyl tertiary butyl ether (MTBE)	5.0	4.9		1	99	70-130	01/02/2019 0923
Naphthalene	5.0	4.9		1	99	70-130	01/02/2019 0923
Toluene	5.0	4.9		1	97	70-130	01/02/2019 0923
Xylenes (total)	10	9.2		1	92	70-130	01/02/2019 0923
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		106	70-130				
1,2-Dichlorobenzene-d4		106	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: UQ93999-001

Matrix: Aqueous

Batch: 93999

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	01/03/2019 2028
Ethanol	ND		1	100	40	ug/L	01/03/2019 2028
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	01/03/2019 2028
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	01/03/2019 2028
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	01/03/2019 2028
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	01/03/2019 2028
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	01/03/2019 2028
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	01/03/2019 2028
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		102	70-130				
Bromofluorobenzene		107	70-130				
Toluene-d8		112	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: UQ93999-002

Matrix: Aqueous

Batch: 93999

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Diisopropyl ether (IPE)	50	57		1	115	70-130	01/03/2019 1936
Ethanol	5000	5600		1	112	70-130	01/03/2019 1936
3,3-Dimethyl-1-butanol	1000	1000		1	100	70-130	01/03/2019 1936
Ethyl-tert-butyl ether (ETBE)	50	54		1	107	70-130	01/03/2019 1936
tert-Amyl alcohol (TAA)	1000	1000		1	104	70-130	01/03/2019 1936
tert-Amyl methyl ether (TAME)	50	52		1	105	70-130	01/03/2019 1936
tert-butyl alcohol (TBA)	1000	1000		1	103	70-130	01/03/2019 1936
tert-Butyl formate (TBF)	250	280		1	112	70-130	01/03/2019 1936
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		100	70-130				
Bromofluorobenzene		104	70-130				
Toluene-d8		108	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## EDB & DBCP by Microextraction - MB

Sample ID: UQ94015-001  
 Batch: 94015  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 01/04/2019 922

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.010	0.0040	ug/L	01/04/2019 1001
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		89	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: UQ94015-002  
 Batch: 94015  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 01/04/2019 922

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.21		1	86	70-130	01/04/2019 1013
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane			94	57-137			

## EDB & DBCP by Microextraction - MS

Sample ID: TL28014-001MS  
 Batch: 94015  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 01/04/2019 922

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.21		1	89	70-130	01/04/2019 1049
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane				92	57-137			

LOQ = Limit of Quantitation

DL = Detection Limit

LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and  $\geq$  DL

ND = Not detected at or above the DL

N = Recovery is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

## EDB & DBCP by Microextraction - Duplicate

Sample ID: TL28014-002DU

Matrix: Aqueous

Batch: 94015

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 01/04/2019 922

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	01/04/2019 1113
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		90	57-137				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Shealy Environmental Services, Inc.

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com


Chain of Custody  
and  
Miscellaneous Documents



**Chain of Custody Record**

**SHEALY ENVIRONMENTAL SERVICES, INC.**  
106 Vantage Point Drive • West Columbia, SC 29172  
Telephone No. 803-791-9700 Fax No. 803-791-9111  
www.shealylab.com

Number **91079**

Client <b>Tony Environmental Services</b>			Report to Contact <b>Kelly Cone</b>			Telephone No. / E-mail <b>843-873-8200</b>			Quote No.					
Address <b>PO Box 25</b>			Sampler's Signature <i>[Signature]</i>			Analysis (Attach list if more space is needed)			Page <b>1</b> of <b>1</b>					
City <b>Summerville</b> State <b>SC</b> Zip Code <b>29484</b>			Printed Name <b>Bethany Farmer</b>			BTEX-NM + 2DCA (EPA 524.2) Cyanides + Chromates EDB-Sol 1			 <b>TL28014</b> 4/1/12 Remarks / Cooler I.D.					
Project Name <b>Mardi Fund (For Worker Mat)</b>			Project No. <b>271-9K</b>									FO. No.		
Sample ID / Description <small>(Containers for each sample may be combined on one line.)</small>		Date	Time	Container Description	Matrix	No. of Containers by Preservative Type								
02314	WSW1	12-28-18	0758	G X		Unpres.	Preserv.	Other	Other	Other	Other	Other	Other	Other
	WSW1-dpe	12-28-18	0800											
	WSW FBI	12-28-18	0745											
	TB													

Turn Around Time Required (Prior lab approval required for expedited TAT.) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		Sample Disposal <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab		Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown				QC Requirements (Specify)	
1. Relinquished by <i>Bethany Farmer</i>	Date <b>12-28-18</b>	Time <b>12:48</b>	1. Received by	Date	Time				
2. Relinquished by	Date	Time	2. Received by	Date	Time				
3. Relinquished by	Date	Time	3. Received by	Date	Time				
4. Relinquished by	Date	Time	4. Laboratory received by <i>Erin Brown</i>	Date <b>12-28-18</b>	Time <b>12:48</b>				
Note: All samples are retained for four weeks from receipt unless other arrangements are made.			LAB USE ONLY Received on Ice (Circle) <input checked="" type="radio"/> Yes <input type="radio"/> No Ice Pack		Receipt Temp <b>1.9</b> °C				

SHEALY ENVIRONMENTAL SERVICES, INC.

# SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.  
Document Number: ME0018C-14

Page 1 of 1  
Effective Date: 8/2/2018

## Sample Receipt Checklist (SRC)

Client: Terry Cooler Inspected by/date: ETB / 12-28-18 Lot #: TL28014

Means of receipt: <input type="checkbox"/> SESI <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: _____ Chlorine Strip ID: _____ Tested by: _____	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt: <u>1.9 / 1.9 °C</u> / _____ °C / _____ °C / _____ °C %Solid Snap-Cup ID: _____	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: <u>5</u> IR Gun Correction Factor: <u>0</u> °C	
Method of coolant: <input type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH <sub>3</sub> /TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote # <u>116675</u>
<b>Sample Preservation</b> (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # _____.	
Time of preservation _____. If more than one preservative is needed, please note in the comments below.	
Sample(s) _____ were received with bubbles >6 mm in diameter.	
Samples(s) _____ were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) with Shealy ID: _____.	
SR barcode labels applied by: <u>ETB</u> Date: <u>12-28-18</u>	

Comments:

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**APPENDIX C**

**Tax Map  
(Not Applicable)**

**APPENDIX D**

**Soil Boring/Field Screening Logs  
(Not Applicable)**

**APPENDIX E**

**Well Completion Logs/SCDHEC 1903 Forms  
(Not Applicable)**



**APPENDIX F**

**Aquifer Evaluation Forms  
(Not Applicable)**

**APPENDIX G**

**Disposal Manifest**

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: Former Windsor Mart (Maruti Kundal) 820 Chesterfield Highway Cleraw, SC		Phone ( ) VST#: 02314 P O #:	
3. Agent of Generator and Mailing Address: Terry Environmental Services PO Box 25 Summerville, SC 29483		Phone (843) 873-8200 P O #: 2171.9k	
4. Transporter Company Name: ↓		Phone ( )	
Truck & Trailer License Number:			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
Phone: (843) 797-3111 Fax: (843) 797-1884			
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description		Container No. Type	Unit Quantity
a. Non-Hazardous, non-regulated waste water			gal 273
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: Bethany Farmer		Signature: Bethany Farmer	Date: 1/2/2019
10. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name: Langston Jones		Signature: Langston Jones	Date: 1-7-19
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials Printed/Typed Name: Paul Jacobs		Signature: Paul Jacobs	Date: 1-7-19

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator

21020

**APPENDIX H**

**Local Zoning Regulations  
(Not Applicable)**

## **APPENDIX I**

### **Fate and Transport Modeling Data (Not Applicable)**

**APPENDIX J**

**Access Agreements  
(Not Applicable)**

## **APPENDIX K**

### **Data Verification Checklist**

## Contractor Checklist – Maruti Kundal (Former Windsor Mart)

**UST Permit #02314 - TERRY Project #2171.9K**

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		



Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

DUNCAN ENVIRONMENTAL ASSOCIATES, INC.

**STANDARD LIMITED ASSESSMENT REPORT  
WINDSOR MART  
820 CHESTERFIELD ROAD  
CHERAW, SOUTH CAROLINA  
SITE ID #02314**

JULY 16, 1997



10817-C Two Notch Road  
Elgin, SC 29045  
(803) 788-4333  
FAX (803) 788-4555

**DUNCAN ENVIRONMENTAL ASSOCIATES, INC.**

July 16, 1997


Ms. Jennifer Boynton  
Bureau of UST Management  
SCDHEC  
2600 Bull Street  
Columbia, S.C. 29201

Re: Standard Limited Assessment Report  
Windsor Mart - Cheraw, SC  
GWPD #02314

Dear Ms. Boynton:

Enclosed please find one copy of the above referenced document and the associated invoice for the work performed. If you have any questions or comments, please don't hesitate to call me at (803)788-4333.

Sincerely,



Jan Reynolds, P. G.  
Project Manager

cc: Mr. Charles Jackson, Jr.  
Jackson Oil Company

10817-C Two Notch Road  
Elgin, SC 29045  
(803) 788-4333  
FAX (803)788-4555

DUNCAN ENVIRONMENTAL ASSOCIATES, INC.

**STANDARD LIMITED ASSESSMENT REPORT  
WINDSOR MART  
CHERAW, SOUTH CAROLINA  
SITE ID #02314**

July 16, 1997

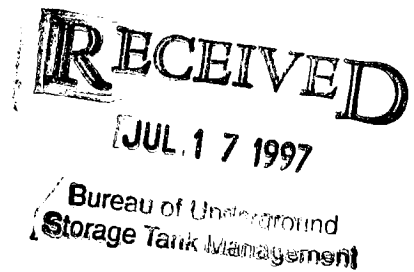
Prepared by:  
Duncan Environmental Associates, Inc.



Brendan Brodie  
Project Manager



Jan Reynolds, P. G.  
Project Hydrogeologist  
S.C. Reg. #1198



10817-C Two-Notch Rd.  
Elgin, S.C. 29045  
(803) 788-4333  
FAX (803)788-4555

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## **INTRODUCTION**

Duncan Environmental Associates, Inc. (DEA) submits the following Standard Limited Assessment (SLA) report on behalf of Mr. Charles Jackson of Jackson Oil, Inc. The purpose of the report is to document the results of additional hydrogeologic investigation conducted at the Windsor Mart gasoline station located in Cheraw, South Carolina. The investigation was performed in response to a correspondence from Ms. Jennifer Boynton of the SCDHEC dated May 7, 1997, requesting that a SLA be performed at this site.

## **SITE DESCRIPTION AND PROJECT HISTORY**

The Windsor mart site is located at the intersection of SC Hwy 9 and Windsor Drive approximately 2 miles south-west of the center of the city in a commercial area of Cheraw, S.C. (Figure 1, Appendix I). The structures on the property consist of a convenience store and three dispenser islands under a canopy. The former location of the tanks and the dispenser islands are depicted on Figure 2, Appendix I. The underground storage tanks (USTs) formerly located on the site include three 4,000-gallon gasoline tanks.

Previous work at the site included an Underground Storage Tank Assessment Report which was completed and submitted to SCDHEC in February 1997. This report indicated very low levels of petroleum contamination was present in the subsurface. An Initial Groundwater Assessment was performed by DEA at the request of SCDHEC in response to the UST Assessment Report. Ground-water results from the Initial Groundwater Assessment indicated

that the subsurface was impacted and the report was submitted to the SCDHEC in March of 1997.

## **GEOLOGIC SETTING AND REGIONAL HYDROGEOLOGY**

The Windsor Mart site is located in the Upper Coastal Plain physiographic province of South Carolina. The Coastal Plain of South Carolina consists of a wedge shaped accumulation of sediments laid down during various marine transgressions (rises in sea level) during the Cretaceous-Tertiary periods. The sediments are thinnest at the Fall Line (contact between the Piedmont and Coastal Plain Provinces) and thicken seaward to approximately 3,000 feet in lower Charleston County (Park, 1985). Ground water typically occurs under water-table (unconfined) conditions in the shallow aquifer. Ground water at the site flows generally in a northeastern direction.

## **ASSESSMENT IMPLEMENTATION**

### **I. ASSESSMENT ACTIVITIES**

DEA began subsurface investigative activities at the Windsor Mart site on May 28, 29 and June 3, 1997, with the installation of nine soil borings of which three were converted to monitor wells (Figure 2, Appendix I). The first two soil borings SB-1 and SB-2/MW-2 were located in an apparent downgradient area from the former gasoline tank basin. SB-2 was

converted into a monitor well as it appeared to be slightly more contaminated on the basis of OVA readings than SB-1. Soil borings SB-3, SB-4 and SB-6 were used as exploratory borings in areas surrounding the former tank basin and dispenser island to determine the presence or absence of soil and ground-water contamination in areas adjacent to the tank basin. SB-5 was located adjacent to MW-1 for the collection of soil data. Monitor well MW-3/SB-7 was located in an apparent downgradient location to the southeast of the tank basin in a grassy area. Monitor well MW-4/SB-8 was located between the former tank basin and the dispenser islands. A total organic carbon (TOC) sample (SB-9) was collected in a grassy area that appeared to contain no contamination.

A sensitive receptor survey was performed with a geologist on-site checking for utilities, land usage and identification of public and private wells within 1000 radius of the site. All utilities are included on Figure 2, Appendix I.

Municipal water is supplied to the complete study area. The site is very flat and no below-grade structures were present. Further information is provided in the sensitive receptor survey Tier 1 Evaluation (Table 1, Appendix II).

A site survey was completed by DEA on June 17, 1997, subsequent to monitor well installation. The results of the survey were used to construct Figure 2, Appendix I. During the site survey, the top of casing elevations were obtained after the flush mount covers and locking well caps were removed from each well. From this information, fluid levels in the



wells could be referenced to the well elevations in order to determine ground-water elevations. Ground-water elevations and water level measurements are included in Table 2, Appendix II.

## **II. METHODOLOGY**

### **A. WELL INSTALLATION**

On May 28-June 3, 1997, DEA installed three shallow monitor wells (MW-2/SB-2, MW-3/SB-7 and MW-4/SB-8) and five borings (SB-1, SB-3, SB-4, SB-5, SB-6, and SB-9(TOC)). All monitor well and borings locations are displayed on Figure 2, Appendix I. The monitoring wells were installed by a S.C. licensed driller (S.C. #908), using solid stem augers. The monitor wells were installed to a depth of 20 feet below land surface (bls). The soil borings varied from 4.5 feet to 20 feet below land surface with the exception of SB-9(TOC) which was installed at 4 feet below land surface for the collection of a TOC sample.

The permanent, shallow monitor wells were constructed with two-inch diameter flush threaded, schedule 40 PVC casing and 0.010 inch slotted PVC screen. A schematic diagram displaying the construction details of the shallow monitor wells is included as Figure 3, Appendix I. Clean, washed filter sand was placed approximately two feet above the well screens. A bentonite seal was then placed above the sand pack and the wells were grouted from the bentonite seal to the surface. The wells were completed with a locking cap, and a

flush mounted, steel protective manhole. Prior to initiating field work, and upon completion of each boring, the augers were steam cleaned to reduce the potential of cross contamination. All borings not converted to monitor wells were properly abandoned using a cement and bentonite grout mixture to the surface.

## **B. SAMPLE COLLECTION AND ANALYSES**

During boring and monitor well installation, grab samples were collected on five foot centers for the monitor wells and four foot centers for the soil borings around the tank basin and former dispenser island with the exception of SB-3 which was collected on a 2.5 foot center. The samples were stored in ziplock bags for headspace analysis with an organic vapor analyzer (OVA) for indications of petroleum presence. The OVA readings recorded in the field are included on the boring logs in Appendix III and are summarized in Table 3, Appendix II. Due to the limited amount of cuttings generated from drilling activities, all cuttings were thin spread on site. The wells were developed by bailing and surging.

As stated in the SLA guidance, the soil sample from each advancement (except background boring) that exhibited the highest concentration of the chemical of concern (COC) or total depth if no contamination was encountered was submitted for laboratory analysis for benzene, toluene, ethylbenzene and total xylenes (BTEX) and naphthalene by EPA method 8020, and for polyaromatic hydrocarbons (PAHs) by EPA method 8270. A sample was also collected from the highest concentration of the COC based on OVA results (SB-5 at 15') and

analyzed for Total Petroleum Hydrocarbons (TPH) 3550. A grain size analysis was performed on SB-5 at 15'. A background boring (SB-9) was analyzed for total organic carbon (TOC) by EPA method 9060.

Water levels were measured and ground-water samples were collected from the monitor wells on June 17, 1997. Water levels were measured using a water level indicator accurate to 0.01 feet. All wells were checked for the presence of free product prior to the collection of ground-water samples. The ground-water samples were collected using Voss disposable polyethylene bailers dedicated for each well. Care was taken throughout the procedure to avoid cross contamination. During the sampling, steps were taken to limit the agitation of the ground-water samples and to prevent aeration. All sample containers were precleaned and provided by the analytical laboratory. Samples were kept at approximately four degrees centigrade throughout the operation and during transport to the laboratory. Chain of custody was maintained and documented during the shipping and handling process to insure sample integrity. The ground-water samples were analyzed for EPA method 8020 extended to include methyl-tert-butyl-ether (MTBE), naphthalene by EPA Method 8021 and PAHs by EPA method 625. The results of all ground-water sample analyses are presented in Table 4, Appendix II and Analytical Results, Appendix IV.

### C. AQUIFER TESTING

Aquifer tests were conducted at the site on June 17, 1997. Monitor wells MW-1 and 4 were chosen as the test wells.

Monitor wells MW-1 and 4 are 20 foot respectively, two-inch diameter, sand packed, ground-water quality monitoring wells. The borehole diameter for the two-inch test wells is 5.0 inches and the inside diameter of the PVC screen and riser pipe is 2 inches. The screened interval in the monitor wells is from 10-20 feet below land surface (bls) for the monitor wells. The sand pack interval in these wells is from 8-20 feet bls respectively. Above the sand pack there is a bentonite seal and cement grout to the surface.

The monitor wells were logged manually. To perform the test, the static water levels in each well were measured. A slug was lowered into the monitor well and the static water level allowed to equilibrate. The slug was then removed from the well inducing a drop in head. The rising water level and corresponding time interval for each measurement was recorded until the water level returned to equilibrium or very near equilibrium conditions. This consisted of one complete rising head cycle. Plots of the data using results obtained from Aqtesolv (Geraghty and Miller, Inc., 1988, 1989) are included with this report.

The Bouwer and Rice (1976) method was used to analyze the data. This method was chosen because it was developed specifically for water table conditions with partially

penetrating wells. It thus fits the conditions of the test wells at the site. It is a modification of the Theim technique for aquifer property determination. Bouwer and Rice developed parameters to apply the technique to partially penetrating wells by electrical modeling methods.

### **III. RESULTS**

#### **A. HYDROGEOLOGIC DATA**

The shallow subsurface at the site is composed of orange/tan/brown clayey sands with increasing clay at depth. Ground water occurs under water table (unconfined) conditions at the site and was encountered between 13.64-16.07 feet bls during the June 17 sampling event. DEA was on-site to collect ground-water samples and measure water levels in all wells on-site on this date. Figure 4, Appendix I, is a potentiometric map constructed based on these water level measurements. Monitor well MW-2 displayed the highest ground-water elevation at 84.02 feet, while MW-4 displayed the lowest elevation at 83.89 feet. The water levels are summarized in Table 2, Appendix II. The average hydraulic gradient for the surficial aquifer was calculated to be 0.0038 ft/ft. Ground-water flow direction at the site is to the northeast in an opposite direction of site slope and what would be apparent downgradient.

Estimates of the radial hydraulic conductivity for the monitor wells were calculated from the borehole permeability "slug test" data obtained on June 17, 1997. The calculations indicated that the average hydraulic conductivity, (K) ranged from a high of 0.027 ft/day in

monitor well MW-4 to a low of 0.010 ft/day in monitor well MW-1. Transmissivity for the shallow aquifer is determined by multiplying the hydraulic conductivity by an estimated aquifer thickness that in this case is assumed to be 35 feet. The transmissivity in the shallow aquifer was calculated to range from 0.945 feet<sup>2</sup>/day in monitor well MW-4 to 0.35 feet<sup>2</sup>/day in monitor well MW-1. A table summarizing the hydraulic conductivities and transmissivities, and plots of the aquifer testing data are included in Appendix V.

Shallow ground-water horizontal flow velocities were calculated using the following formula:

$$V_s = \frac{Kdh}{n_e dl}$$

where  $\frac{dh}{dl}$  = hydraulic gradient  
 $K$  = hydraulic conductivity  
 $n_e$  = effective porosity

An average hydraulic gradient for the surficial aquifer is calculated to be 0.0038 ft/ft. Based upon a calculated  $K$  of 0.027 ft/day and 0.010 ft/day for monitor wells MW-4 and MW-1, respectively, and an assumed average effective porosity of 35 percent, a velocity ( $V_s$ ) can be calculated utilizing the above formula which yields velocities of  $2.93 \times 10^{-4}$  ft/day and  $1.09 \times 10^{-5}$  ft/day for monitor wells MW-4 and MW-1, respectively.

## **B. ANALYTICAL DATA**

### *1. Soil Quality*

As previously stated, during the advancement of all boreholes, grab samples were collected on 2.5-5 foot centers for headspace analysis with an OVA. The grab soil samples collected for laboratory analysis were labeled using the appropriate well number/boring and depth from which the sample was obtained. Organic vapors encountered during drilling and analytical data, indicate that slight soil impact has occurred in the area of the removed tanks and associated dispensers. Soil boring SB-5-15' was chosen as the most impacted well on the basis of OVA field screening. Soil analytical results are presented in Table 5, Appendix II and Analytical Results, Appendix IV. Figure 5, Appendix I, is a contaminant concentration map displaying BTEX and PAH values in soil. The risk-based screening level (RSBL) for benzene and naphthalene was exceeded by soil samples SB-5-15'. All other analytical parameters in all soil borings were below the RSBL.

### *2. Ground-Water Quality*

Ground-water samples were collected from all monitor wells on-site. Free-floating product was not observed in any of the wells. A summary of ground-water quality data is included in Table 4, Appendix II. Figure 6, Appendix I, is a contaminant concentration map displaying BTEX, naphthalene and MTBE values in ground water. The RSBL for benzene

was exceeded in monitor wells MW-1, MW-2 and MW-4, the RSBL for toluene, xylenes and MTBE was exceeded in MW-1 and MW-4 and the RSBL for ethylbenzene was exceeded by MW-4 only.

#### **IV. TIER 1 EVALUATION**

##### **A. SITE CONCEPTUAL MODEL**

The site conceptual model and selection of exposure pathways is based on the source of the chemicals of concern being a convenience store that dispensed gasoline with the area of contamination being a former underground storage tank area. The contamination occurs primarily in the area of the former gasoline tank basin and dispenser island. The ground water on site is moderately impacted, with slight contamination of the soils. The current land use is commercial and is expected to remain so. The surrounding area is commercial and residential with public water and sewer available. There were no receptors in the form of private or public water wells identified in the area. The nearest surface water body is an unnamed creek approximately 0.3 miles to the southwest. This unnamed creek flows to the southeast and joins Thompson Creek. A table summarizing possible exposure pathways is presented as Table 1, Appendix II. There is minor soil impact on site as most soil analytical results were below the RSBLs. The table is based on the limited information available from this assessment.



## **B. SOIL LEACHABILITY MODEL**

Information obtained during the SLA was used to complete the soil leachability model. The soil analytical information from SB-5-15' was used for the input into the model. It appears that the chemicals of concern are benzene and naphthalene. A TPH 3550 analysis was used for modeling purposes and a default value of 10 was used. The site specific target levels (SSTLs) for benzene (0.00628 Mg/Kg), toluene (2.05 Mg/Kg), ethylbenzene (2.02 Mg/Kg), xylenes (103.19 Mg/Kg) and naphthalene (0.636 Mg/Kg) in soil at the site were determined by the soil leachability model. The more conservatively calculated SSTL for benzene was exceeded by the soil sample SB-5-15'. All input parameters and calculations are contained on the In-Situ Risk Evaluation form contained in Appendix VI. It appears, therefore, that the soil is a continuing source of contamination to the ground water based on results from the leachability model. The RSBL values will be used as the remediation levels.

## **CONCLUSIONS AND RECOMMENDATIONS**

Based on evidence obtained during this and previous investigations, the ground-water beneath the site appear to be impacted by petroleum hydrocarbons and the site classification would currently be a 5 based on the fact that ground water is encountered <20 feet below grade and the site geology is predominantly sandy-clay. As reported, the ground-water samples collected from MW-1, MW-2 and MW-4 several RSBL values. Ground-water velocity data calculated from slug test results indicate the contaminant plume is migrating at a

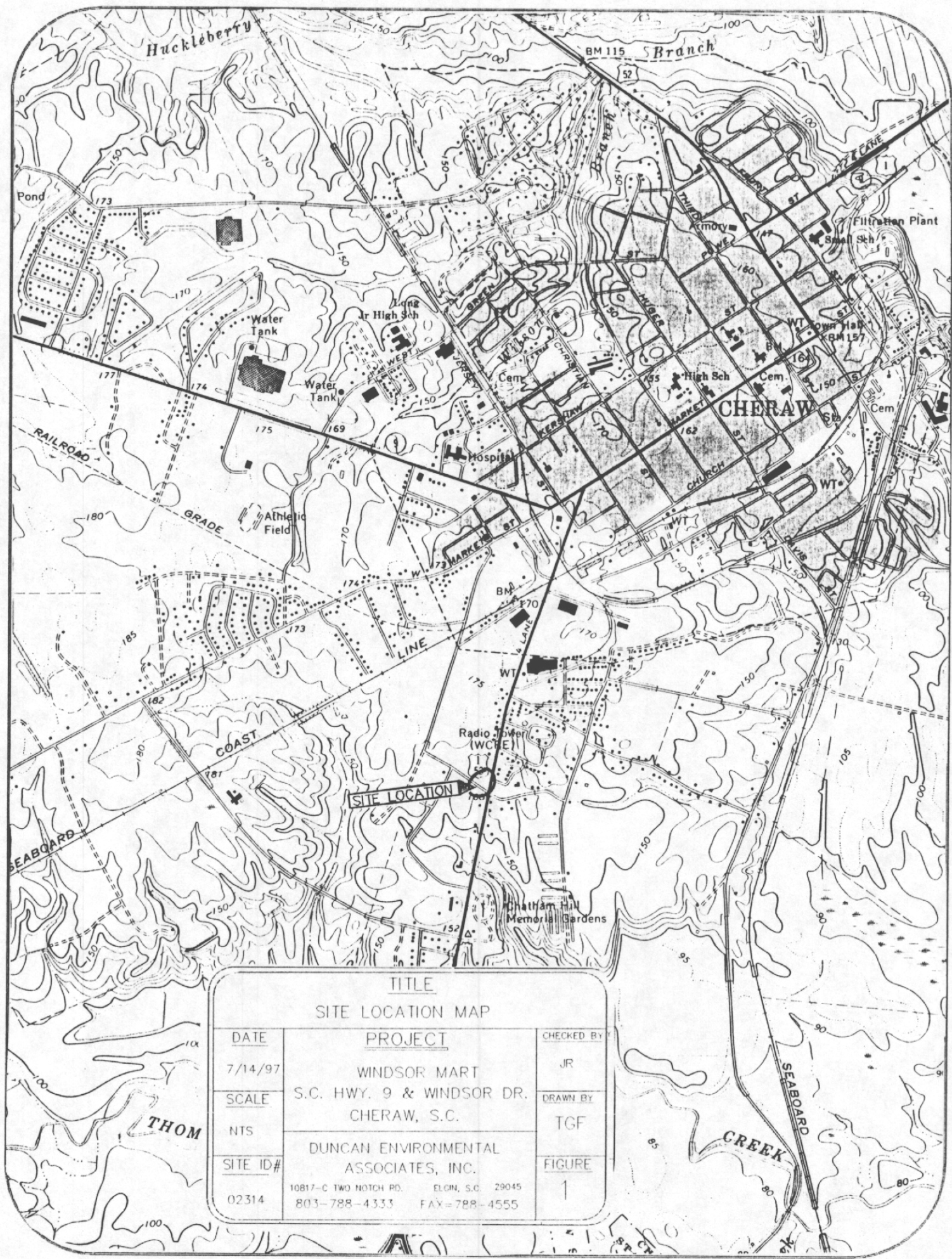
maximum rate of 0.11 ft/yr. Therefore, this site presents a long term threat to human health.

A rapid assessment including a Tier 2 evaluation should be performed to complete vertical and horizontal delineation and determine the downgradient point of compliance and time for remediation if necessary. Further assessment downgradient of MW-4 will be necessary to complete horizontal delineation and a well should be paired with MW-4 to complete vertical delineation.

## REFERENCES

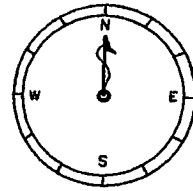
Park, D.A. 1985. The Ground-Water Resources of Charleston, Berkley, and Dorchester Counties South Carolina. Water Resources Commission Report Number 139.

**APPENDIX I**  
**FIGURES**

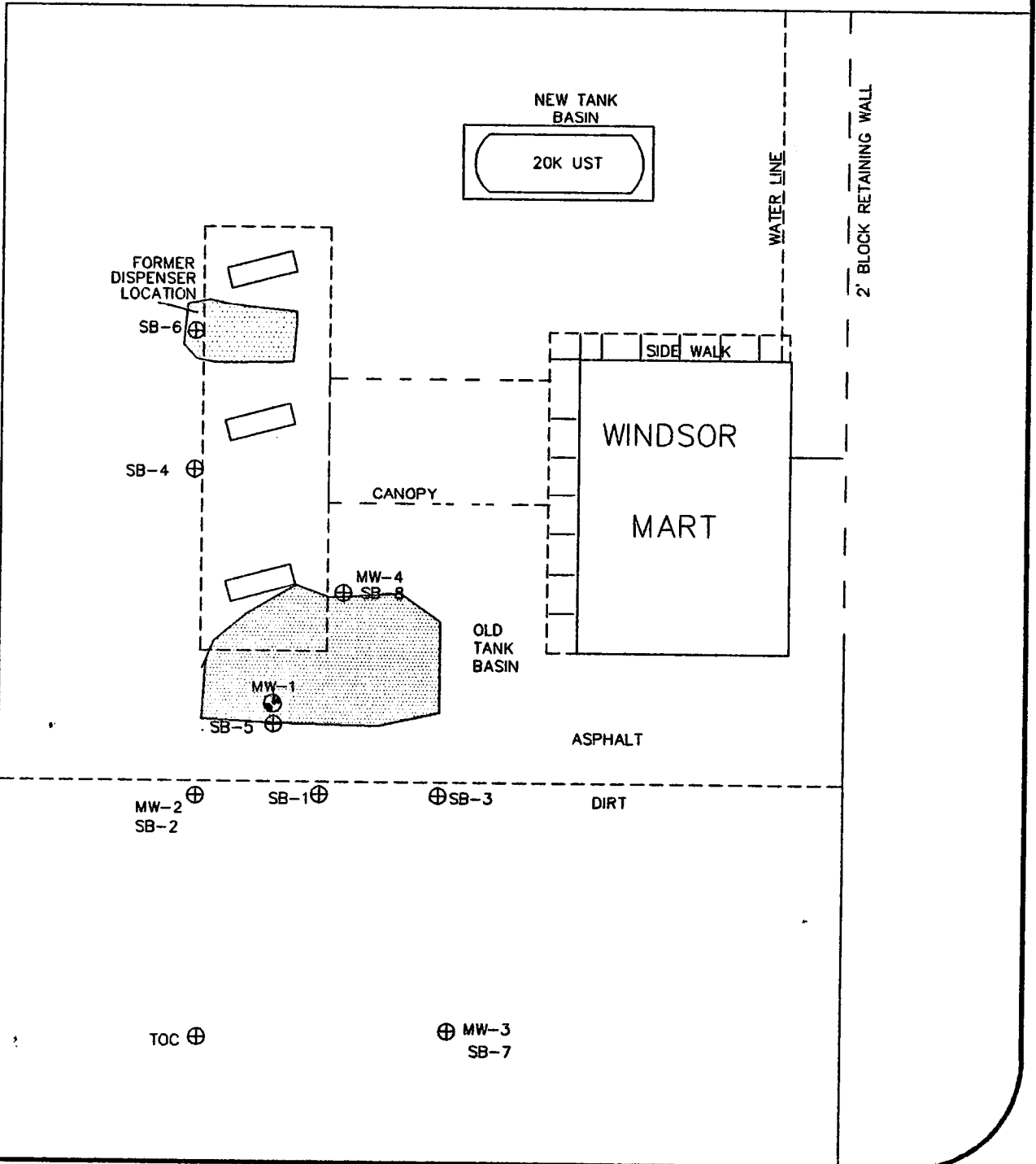


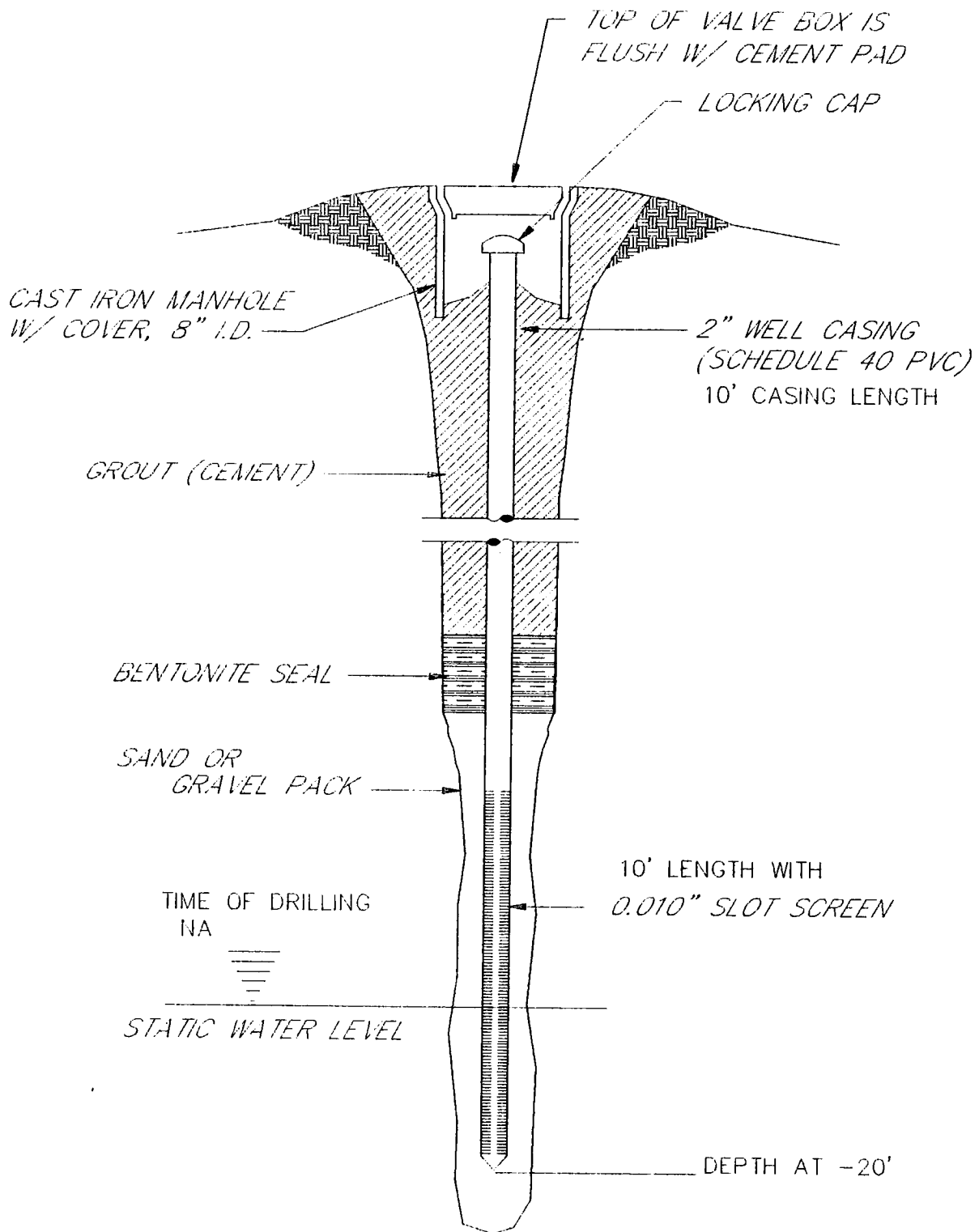
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SITE LOCATION MAP		
<b>DATE</b>	<b>PROJECT</b>	<b>CHECKED BY</b>
7/14/97	WINDSOR MART	JR
<b>SCALE</b>	S.C. HWY. 9 & WINDSOR DR.	<b>DRAWN BY</b>
NTS	CHERAW, S.C.	TGF
<b>SITE ID#</b>	DUNCAN ENVIRONMENTAL	<b>FIGURE</b>
02314	ASSOCIATES, INC.	1
	10817-C TWO NOTCH RD. ELGIN, S.C. 29045	
	803-788-4333 FAX=788-4555	

TITLE  
SITE LOCATION MAP



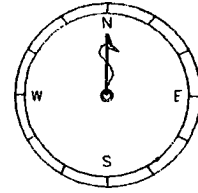
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7/14/97	WINDSOR MART S.C. HWY. 9 & WINDSOR DR. CHERAW, S.C.	JR
<u>SCALE</u>	DUNCAN ENVIRONMENTAL ASSOCIATES, INC.	<u>DRAWN BY</u>
1:20	10817-C TWO NOTCH RD. ELGIN, S.C. 29043 803-788-4333 FAX=788-4555	TGF
<u>SITEID#</u>		<u>FIGURE</u>
02314		2



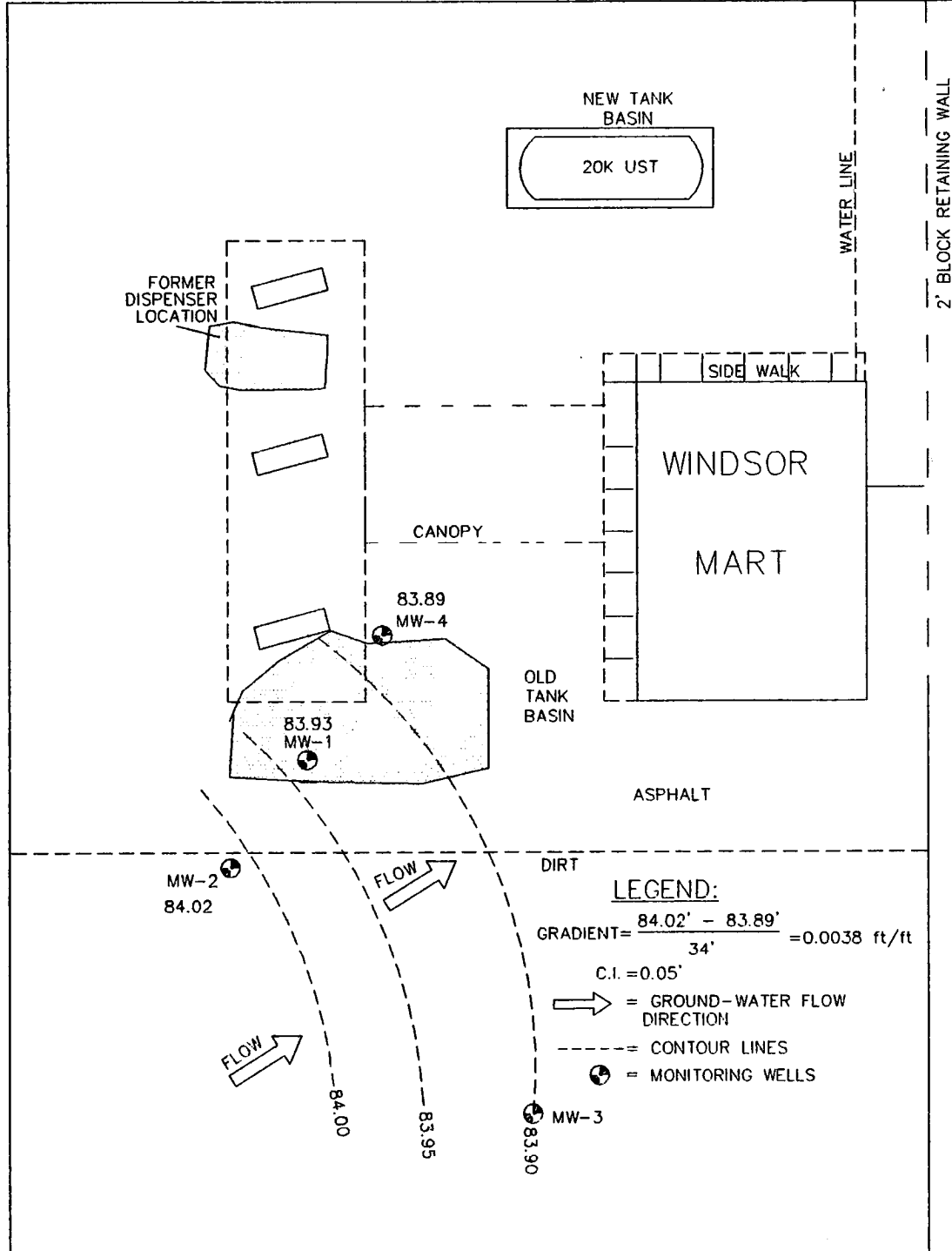


TITLE		
MONITORING WELL DESIGN		
DATE	PROJECT	DRAWN BY
7/14/97	WINDSOR MART S.C. HWY. 9 & WINDSOR DR. CHERAW, S.C.	TGF
SCALE	DUNCAN ENVIRONMENTAL ASSOCIATES, INC. 10817-C TWO-NOTCH RD. ELGIN, S.C. 29045 803-788-4333 FAX=788-4555	CHECKED BY
N.S.		JR
SITE ID		FIGURE
02314		3

TITLE (6/17/97)  
**POTENTIOMETRIC SURFACE MAP**

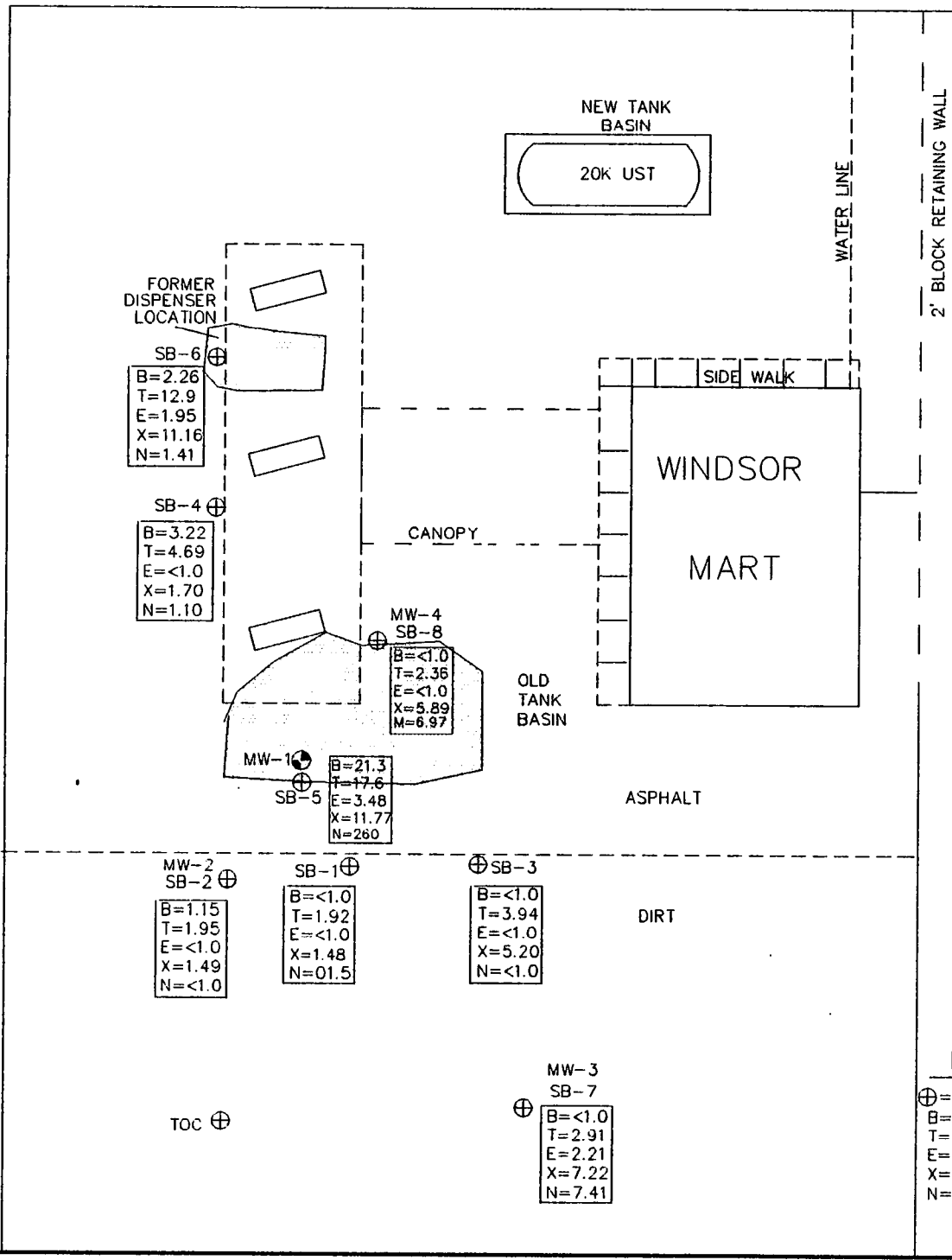
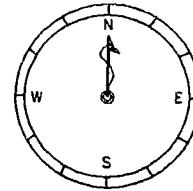


<u>DATE</u>	<u>PROJECT</u>	<u>CHECKED BY</u>
7/14/97	WINDSOR MART S.C. HWY. 9 & WINDSOR DR. CHERAW, S.C.	JR
<u>SCALE</u>		<u>DRAWN BY</u>
1:20		TGF
<u>SITEID#</u>	DUNCAN ENVIRONMENTAL ASSOCIATES, INC.	<u>FIGURE</u>
02314	10817-C TWO NOTCH RD. ELGIN, S.C. 29045 803-788-4333 FAX=788-4555	4

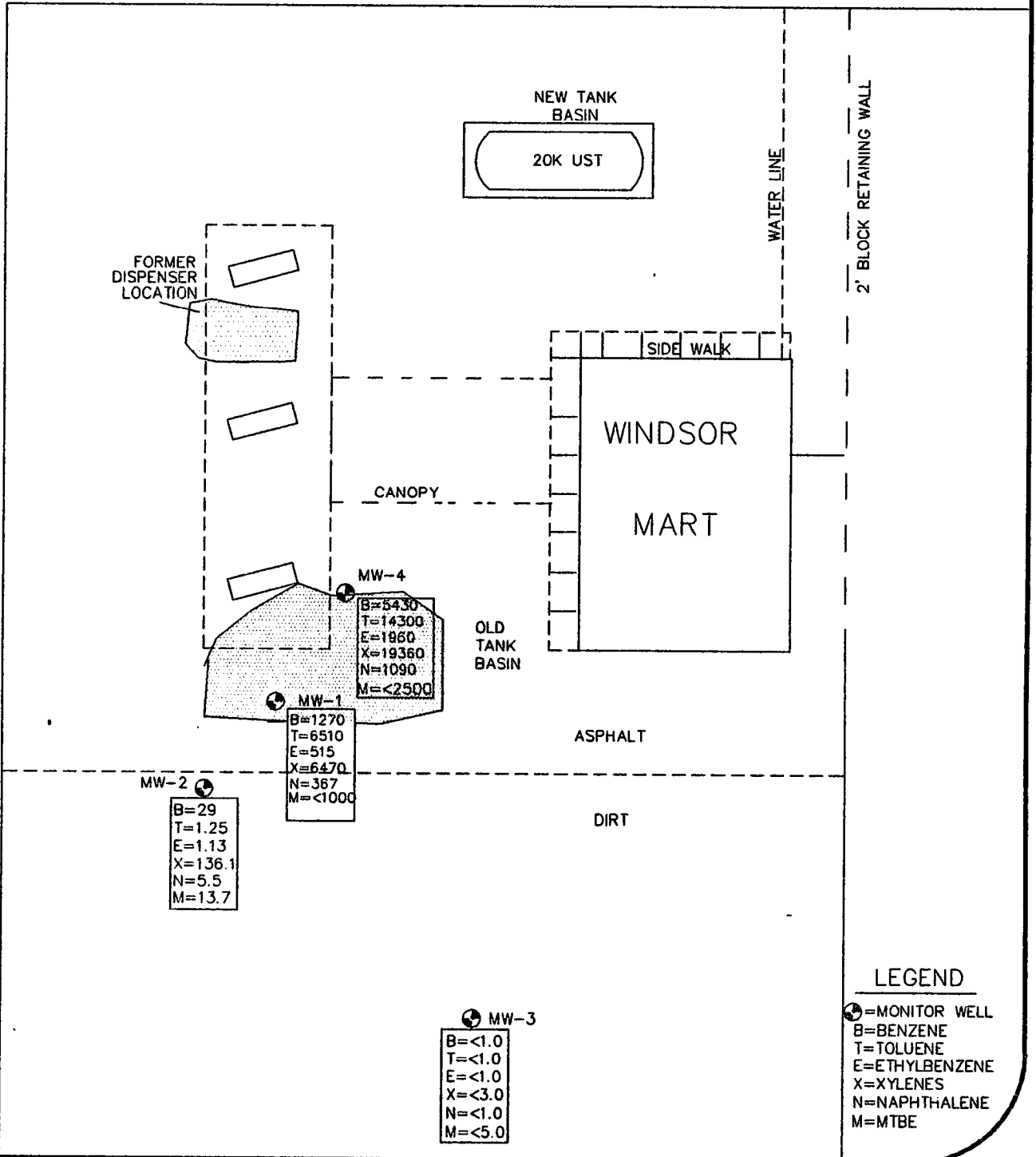
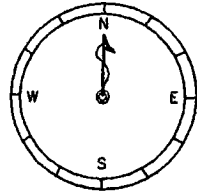




<u>TITLE</u>		
SOILS CONTAMINANT CONCENTRATION MAP		
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<u>SCALE</u>		<u>DRAWN BY</u>
1:20		TGF
<u>SITE ID#</u>	DUNCAN ENVIRONMENTAL ASSOCIATES, INC.	<u>FIGURE</u>
02314	10817-C TWO NOTCH RD. ELGIN, S.C. 29045 803-788-4333 FAX=788-4555	5



TITLE		
H2O CONTAMINANT CONCENTRATION MAP		
DATE	PROJECT	CHECKED BY
7/14/97	WINDSOR MART S.C. HWY. 9 & WINDSOR DR. CHERAW, S.C.	JR
SCALE		DRAWN BY
1:20		TGF
SITE ID#	DUNCAN ENVIRONMENTAL ASSOCIATES, INC.	FIGURE
02314	10817-C TWO NOTCH RD. ELGIN, S.C. 29045 803-788-4333 FAX=788-4555	6



**LEGEND**

- ⊙ = MONITOR WELL
- B = BENZENE
- T = TOLUENE
- E = ETHYLBENZENE
- X = XYLENES
- N = NAPHTHALENE
- M = MTBE

**APPENDIX II  
TABLES**

**TABLE 1  
TIER 1 EVALUATION  
WINDSOR MART - CHERAW, SC**

<b>Potentially Exposed Population</b>	<b>Exposure Route, Medium and exposure point</b>	<b>Pathway Selected for Evaluation</b>	<b>Reason for Selection or Non-Selection</b>
Off-site resident	Ingestion of ground water from impacted well	No	No drinking water wells in area (city water)
	Direct Contact with surface soil	No	No off-site soil samples collected
	Inhalation while showering	No	Residents do not use ground water
	Dermal Contact While Showering	No	Residents do not use ground water
	Inhalation of volatiles	No	Ground-water contamination at depth not surficial
On-site resident	Ingestion of ground water from impacted well	No	No residents on site commercial establishment
	Direct Contact with surface soil	No	N/A
	Inhalation while showering	No	N/A
	Dermal Contact While Showering	No	N/A
	Inhalation of volatiles	No	N/A
Worker	Ingestion of ground water from impacted well	No	No water well located on-site
	Direct Contact with surface soil	No	No soil stockpiles
	Inhalation while showering	No	N/A
	Dermal Contact While Showering	No	N/A
	Inhalation of volatiles	No	No soil stockpiles
Visitor	Ingestion of ground water from impacted well	No	No water well located on-site
	Direct Contact with surface soil	No	No soil stockpiles
	Inhalation while showering	No	N/A
	Dermal Contact While Showering	No	N/A
	Inhalation of volatiles	No	No soil stockpiles

**TABLE 2**  
**WINDSOR MART**  
**CHERAW, S.C.**  
**SUMMARY OF LIQUID LEVELS**  
**(measurements in feet)**

<b>MONITOR WELL</b>	<b>DATED MEASURED</b>	<b>TOC ELEV.</b>	<b>TOC to WL</b>	<b>WL ELEV.</b>
MW-1	06/17/97	100.00	16.07	83.93
MW-2	06/17/97	100.06	16.04	84.02
MW-3	06/17/97	97.54	13.64	83.90
MW-4	06/17/97	99.64	15.75	83.89

TOC = Top of Casing  
WL = Water Level



**TABLE 3  
SUMMARY OF OVA RESULTS  
WINDSOR MART  
CHERAW, SC  
(results in parts per million)**

<b>WELL #</b>	<b>DATE RECORDED</b>	<b>TD OF WELL</b>	<b>5 FEET</b>	<b>10 FEET</b>	<b>15 FEET</b>	<b>20 FEET</b>
MW-2/SB-2	05/28/97	20'	*21.0	19.0	14.0	3.0
MW-3/SB-7	06/03/97	20'	8.0	14.0	*18.0	7.0
MW-4/SB-8	06/03/97	20'	11.0	12.0	*15.0	9.0
<b>WELL #</b>	<b>DATE RECORDED</b>	<b>TD OF BORING</b>	<b>5 FEET</b>	<b>10 FEET</b>	<b>15 FEET</b>	<b>20 FEET</b>
SB-1	05/28/97	20'	*20.0	19.0	17.0	14.0
SB-4	05/28/97	15'	0.0	0.0	*0.0	
SB-5	05/29/97	20'	20.0	70.0	*220	13.0
SB-6	05/29/97	15'	0.0	0.0	*0.0	
<b>WELL #</b>	<b>DATE RECORDED</b>	<b>TD OF BORING</b>	<b>2.5 FEET</b>	<b>5 FEET</b>		
SB-3	05/28/97	5'	5.0	*7.0		

\* Soil sample collected for analysis

**TABLE 4**  
**WINDSOR MART - CHERAW, S.C.**  
**SUMMARY OF GROUND-WATER RESULTS 6/17/97**

PARAMETER	MW-1	MW-2	MW-3	MW-4	MCL/RBSL
<b>PAHs - EPA Method 625</b>					
Acenaphthene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Acenaphthylene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Anthracene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Benzo (a) anthracene	< 5.0	< 5.0	< 5.0	< 5.0	10*
Benzo (a) pyrene	< 5.0	< 5.0	< 5.0	< 5.0	0.0
Benzo (b) fluoranthene	< 5.0	< 5.0	< 5.0	< 5.0	10*
Benzo (g,h,i) perylene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Benzo (k) fluoranthene	< 5.0	< 5.0	< 5.0	< 5.0	10*
Chrysene	< 5.0	< 5.0	< 5.0	< 5.0	10*
Dibenz (a,h) anthracene	< 5.0	< 5.0	< 5.0	< 5.0	10*
Fluoranthene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Fluorene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Indeno (1,2,3-cd) pyrene	< 5.0	< 5.0	< 5.0	< 5.0	0.0
2-Methylnaphthalene	61.0	< 5.0	< 5.0	140.0	NA
Naphthalene	150.0	< 5.0	< 5.0	830.0	25*
Phenanthrene	< 5.0	< 5.0	< 5.0	< 5.0	NA
Pyrene	< 5.0	< 5.0	< 5.0	< 5.0	NA
<b>EPA Method 8020</b>					
Benzene	1270	29	< 1.0	5430.0	5.0
Toluene	6510	1.25	< 1.0	14300.0	1000.0
Ethylbenzene	515	1.13	< 1.0	1960.0	700.0
Xylenes	6470	136.1	< 3.0	19360	10000
MTBE	< 1000.0	13.7	< 5.0	< 2500	40
<b>NAPHTHALENE EPA 8021</b>					
Naphthalene	367	5.5	< 1.0	1090	25*

\*- Risk-Based Screening Level (RSBL), rather than MCL  
 Results in Ug/L with the exception of lead which is Mg/L  
 Shaded blocks indicate results exceed RSBL or MCL

**TABLE 5**  
**WINDSOR MART - CHERAW, SC**  
**SUMMARY OF SOIL SAMPLE ANALYSES**

WELL NO.	DATE SAMPLED	BENZENE UG/KG	TOLUENE UG/KG	ETHYL-BENZENE UG/KG	TOTAL XYLENES UG/KG	TOTAL BTEX UG/KG	NAPHTHALENE UG/KG
SB-1-5'	5/28/97	<1.0	1.92	<1.0	1.48	3.4	1.5
SB-2-5'	5/28/97	1.15	1.95	<1.0	1.49	4.59	<1.0
SB-3-4'	5/28/97	<1.0	3.94	<1.0	5.2	9.14	<1.0
SB-4-15'	5/28/97	3.22	4.69	<1.0	1.7	9.61	1.1
SB-5-15'	5/29/97	21.3	17.6	3.48	11.77	54.15	260
SB-6-15'	5/29/97	2.26	12.9	1.95	11.16	28.27	1.41
SB-7-15'	6/03/97	<1.0	2.91	2.21	7.22	12.34	7.41
SB-8-15'	6/03/97	<1.0	2.36	<1.0	5.89	8.25	6.97
RSBL		7	1700	1500	44000	NA	200

BDL = Below Detection Limit

Shaded bocks exceed Risk-Based Screening Levels (RSBLs)

RSBLs based on sandy soil

TOC-4' TOTAL ORGANIC CARBON = 1850/KG

SB-5-15' TPH 3550 = <8.0 MG/KG



**APPENDIX III  
BORING LOGS**

## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>		Well No. <b>SB-1</b>
City <b>Cheraw</b>	County <b>Chesterfield</b>	State <b>SC</b>	Logged By <b>B. Brodie</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>		Date <b>5/28/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>			
Static Water Level <b>NA</b>	TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>		Develop Method <b>NA</b>		
Grout <b>Cement 0-20'</b>	Seal <b>NA</b>	Gravel Pack <b>NA</b>		
Casing Type <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Hole Diameter <b>5"</b>	
Screen Type <b>NA</b>	Slot size <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Total Depth <b>20'</b>
Depth (ft)	Remarks	Well Completion	OVA (ppm)	Odors
0	Asphalt			
-	Brown to tan clayey fine grained sand.			
1	Orange to tan medium to coarse grained clayey sand.			
-				
2	Tan fine grained silty sand.			
-				
3	Orange to tan sandy silty clay.			
-				
4				
-				
5	Soil sample collected for analysis		20.0	None
-				
6				
-				
7	Grey to brown kaolinitic clay.			
-				
8				
-				
9	Mostly red to grey to brown kaolinitic sandy clay.			
-				
10			19.0	Slight
-				
11				
-				
12				
-				
13				
-				
14				
-				
15			17.0	Slight
-				
16	Mostly red to grey to brown kaolinitic sandy (fine grained) silty clay.			
-				
17				
-				
18				
-				
19				
-				
20	Total Depth		14.0	None

## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>			Well No. <b>MW-2/SB-2</b>
City <b>Cheraw</b>	County <b>Chesterfield</b>	State <b>SC</b>		Logged By <b>B. Brodie</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>			Date <b>5/28/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>				
Static Water Level <b>NA</b>	TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>			
Drilling Method <b>Solid Stem Auger</b>	Develop Method <b>bail/surge</b>				
Grout <b>Cement 0-7'</b>	Seal <b>Bentonite 7' to 8'</b>	Gravel Pack <b>Sand 8' to 20'</b>			
Casing Type <b>Pvc schedule 40</b>	Diameter <b>2'</b>	Depth <b>0-10'</b>	Hole Diameter <b>5"</b>		
Screen Type <b>pvc schedule 40</b>	Slot size <b>.010</b>	Diameter <b>2"</b>	Depth <b>10-20</b>	Total Depth <b>20'</b>	
Depth (ft)	Remarks	Well Completion		OVA (ppm)	Odors
	20 feet from SB-1.				
0	Asphalt				
-	Brown to tan clayey fine grained sand.				
1	Orange to tan medium to coarse grained clayey sand.				
-					
2	Tan fine grained silty sand.				
-					
3	Orange to tan sandy silty clay.				
-					
4					
-					
5	Soil sample collected for analysis			21.0	Slight
-					
6					
-					
7	Grey to brown kaolinitic clay.				
-					
8					
-					
9	Mostly red to grey to brown kaolinitic sandy clay.				
-					
10				19.0	Slight
-					
11	Redder.				
-					
12					
-					
13					
-					
14					
-					
15	Mostly red to grey to brown kaolinitic sandy (fine grained) micaceous silty clay.			14.0	Slight
-					
16					
-					
17					
-					
18					
-					
19					
-					
20	Total Depth			3.0	Slight

## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>			Well No. <b>SB-3</b>
City <b>Cheraw</b>	County	<b>Chesterfield</b>	State <b>SC</b>	Logged By <b>B. Brodie</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>			Date <b>5/28/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>				
Static Water Level <b>NA</b>		TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>			Develop Method <b>NA</b>		
Grout <b>Cement 0-5'</b>	Seal <b>NA</b>		Gravel Pack <b>NA</b>		
Casing Type <b>NA</b>		Diameter <b>NA</b>	Depth <b>NA</b>	Hole Diameter <b>5"</b>	
Screen Type <b>NA</b>	Slot size <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Total Depth <b>5'</b>	
Depth (ft)	Remarks	Well Completion	OVA (ppm)	Odors	
0	Asphalt				
-	Orange to red medium to coarse grained sand fill.				
1					
-					
2			5.0	None	
-					
3	Tan fine grained silty sand.				
-					
4					
-					
5	Total depth. Soil sample collected for analysis		7.0		
-					
6					
-					
7					
-					
8					
-					
9					
-					
10					
-					
11					
-					
12					
-					
13					
-					
14					
-					
15					
-					
16					
-					
17					
-					
18					
-					
19					
-					
20					



## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>			Well No. <b>SB-4</b>
City <b>Cheraw</b>	County	<b>Chesterfield</b>	State <b>SC</b>	Logged By <b>B. Brodie</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>			Date <b>5/28/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>				
Static Water Level <b>NA</b>		TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>			Develop Method <b>NA</b>		
Grout <b>Cement 0-15'</b>	Seal <b>NA</b>		Gravel Pack <b>NA</b>		
Casing Type		Diameter <b>NA</b>	Depth <b>NA</b>	Hole Diameter <b>5"</b>	
	<b>NA</b>				
Screen Type	Slot size <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Total Depth <b>15'</b>	
	<b>NA</b>	<b>NA</b>	<b>NA</b>		
Depth (ft)	Remarks	Well Completion	OVA (ppm)	Odors	
	Down hill side of previous tank basin (edge of asphalt).				
0	Asphalt				
-	Brown to tan clayey fine grained sand.				
1	Orange to tan medium to coarse grained clayey sand.				
-					
2					
-	Tan fine grained silty sand.				
3					
-	Orange to tan sandy silty clay.				
4					
-					
5			0.0	None	
-					
6					
-					
7	Grey to brown kaolinitic clay.				
-					
8					
-					
9	Mostly red to grey to brown kaolinitic sandy clay.				
-					
10			0.0	None	
-					
11					
-					
12					
-					
13					
-					
14					
-					
15	Total Depth . Soil sample collected for analysis		0.0	None	
-					
16					
-					
17					
-					
18					
-					
19					
-					
20					

## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>		Well No. <b>SB-5</b>
City <b>Cheraw</b>	County <b>Chesterfield</b>	State <b>SC</b>	Logged By <b>J. Reynolds</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>		Date <b>5/29/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>			
Static Water Level <b>NA</b>	TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>	Develop Method <b>NA</b>			
Grout <b>Cement 0-20'</b>	Seal <b>NA</b>	Gravel Pack <b>NA</b>		
Casing Type <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Hole Diameter <b>5"</b>	
Screen Type <b>NA</b>	Slot size <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Total Depth <b>20'</b>
Depth (ft)	Remarks Adjacent to MW-1.	Well Completion	OVA (ppm)	Odors
0	Asphalt			
-	Light orange clayey fine grained sand(fill).			
1				
-				
2				
-				
3	Medium grey silty clay.			
-				
4				
-				
5			20.0	Slight
-				
6				
-				
7				
-				
8	Medium orange clayey silt.			Decreasing
-				
9				
-				
10			70.0	
-				
11				Increasing
-				
12				
-				
13	Medium orange micaceous clayey silt with white kaolinitic stringers.			Moderate
-				
14				
-				
15	Increasing clay.		220.0	
-	Medium orange silty micaceous clay with white kaolinitic stringers. Sample collected for analyses.			
16				
-				
17				
-				
18				
-				
19				Slight
-				
20	Total Depth		13.0	

## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>		Well No. <b>SB-6</b>	
City <b>Cheraw</b>	County	<b>Chesterfield</b>	State <b>SC</b>	Logged By <b>J. Reynolds</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>			Date <b>5/29/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>				
Static Water Level <b>NA</b>	TOC Elev. <b>NA</b>		Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>			Develop Method <b>NA</b>		
Grout <b>Cement 0-15'</b>		Seal <b>NA</b>		Gravel Pack <b>NA</b>	
Casing Type <b>NA</b>		Diameter <b>NA</b>	Depth <b>NA</b>	Hole Diameter <b>5"</b>	
Screen Type <b>NA</b>		Slot size <b>NA</b>	Diameter <b>NA</b>	Depth <b>NA</b>	Total Depth <b>15'</b>
Depth (ft)	Remarks	Well Completion	OVA (ppm)	Odors	
0	Asphalt				
-	Light orange clayey fine grained sand(fill).				
1					
-					
2					
-					
3	Medium grey silty clay.				
-					
4					
-					
5			0.0	none	
-					
6					
-					
7					
-					
8	Medium orange clayey silt.				
-					
9					
-					
10			0.0	none	
-					
11					
-					
12					
-					
13	Medium orange micaceous clayey silt with white kaolinitic stringers.				
-					
14					
-					
15	Total depth. Soil sample collected for analysis		0.0	none	
-					
16					
-					
17					
-					
18					
-					
19					
-					
20					



## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>		Well No. <b>MW-3/SB-7</b>
City <b>Cheraw</b>	County <b>Chesterfield</b>	State <b>SC</b>	Logged By <b>B. Brodie</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>		Date <b>6/03/97</b>	
Longitude <b>79°55'10"</b>	State License No. <b>908</b>			
Static Water Level <b>NA</b>	TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>		Develop Method <b>haul/surge</b>		
Grout <b>Cement 0-7'</b>	Seal <b>Bentonite 7' to 8'</b>	Gravel Pack <b>Sand 8' to 20'</b>		
Casing Type <b>Pvc schedule 40</b>	Diameter <b>2'</b>	Depth <b>0-10'</b>	Hole Diameter <b>5"</b>	
Screen Type <b>pvc schedule 40</b>	Slot size <b>.010</b>	Diameter <b>2"</b>	Depth <b>10-20</b>	Total Depth <b>20'</b>

Depth (ft)	Remarks	Well Completion	OVA (ppm)	Odors
0	Asphalt			
-	Brown to tan clayey fine grained sand.			
1	Orange to tan medium to coarse grained clayey sand.			
-				
2	Tan fine grained silty sand.			
-				
3	Orange to tan sandy silty clay.			
-				
4				
-				
5			8.0	None
-				
6				
-				
7	Grey to brown kaolinitic clay.			
-				
8				
-				
9	Mostly red to grey to brown kaolinitic sandy clay.			
-				
10			14.0	None
-				
11	Redder.			
-				
12				
-				
13				
-				
14				
-				
15	Soil sample collected for analysis		18.0	None
-	Mostly red to grey to brown kaolinitic sandy (fine grained) micaceous silty clay.			
16				
-				
17				
-				
18				
-				
19				
-				
20	Total Depth		7.0	



## Duncan Environmental Associates - Geologist Log

Site Name <b>Windsor Mart</b>		Location <b>820 Chesterfield Rd.</b>		Well No. <b>MW-4/SB-8</b>
City <b>Cheraw</b>	County <b>Chesterfield</b>	State <b>SC</b>	Logged By <b>B. Brodie</b>	
Latitude <b>34°42'25"</b>	Drilled By <b>Duncan Environmental</b>			Date <b>6/03/97</b>
Longitude <b>79°55'10"</b>	State License No. <b>908</b>			
Static Water Level <b>NA</b>	TOC Elev. <b>NA</b>	Sampling Method <b>Grab</b>		
Drilling Method <b>Solid Stem Auger</b>		Development Method <b>bail/surge</b>		
Grout <b>Cement 0-7'</b>	Seal <b>Bentonite 7' to 8'</b>		Gravel Pack <b>Sand 8' to 20'</b>	
Casing Type <b>Pvc schedule 40</b>		Diameter <b>2'</b>	Depth <b>0-10'</b>	Hole Diameter <b>5"</b>
Screen Type <b>pvc schedule 40</b>		Slot size <b>.010</b>	Diameter <b>2"</b>	Depth <b>10-20</b>
				Total Depth <b>20'</b>
Depth (ft)	Remarks	Well Completion	OVA (ppm)	Odors
0	Asphalt			
-	Orange fine to medium grained sand fill.			
1				
-				
2				
-				
3	Olive grey fine to medium grained sand.			
-				
4	Increasing clay			
-				
5				
-				
6	Mottled red to tan sandy, silty clay.			
-				
7				
-				
8				
-				
9				
-				
10	Mostly red to grey to brown kaolinitic sandy clay.			
-				
11				
-				
12				
-				
13				
-				
14				
-				
15	Soil sample collected for analysis			
-	Mostly red to grey to brown kaolinitic sandy (fine grained) micaceous silty clay.			
16				
-				
17				
-				
18				
-				
19				
-				
20	Total Depth		9.0	Mod. To strong

**APPENDIX IV  
ANALYTICAL RESULTS**



**STEFFEN ROBERTSON AND KIRSTEN**  
Consulting Engineers and Scientists

June 12, 1997  
SRK Project No. 84301.12

Duncan Environmental Services  
10817-C Two Notch Road  
Elgin, South Carolina 29045

Attention: Mrs. Jan Reynolds

**REFERENCE: Windsor Apt.  
SB-5 @ 20 FT.**

Dear Mrs. Reynolds,

This report summarizes the testing services performed by Steffen Robertson and Kirsten (U.S.), Inc., on June 11, 1997 for the above referenced project. As requested, SRK performed a grain size analysis with hydrometer on one sample taken from SB-5 at 20 ft. Please find the enclosed laboratory test results.

SRK appreciates this opportunity to be of service to Duncan Environmental Services on this project. If you should have questions regarding this correspondence, please do not hesitate to call. My number is (803) 790-0602.

Sincerely,

**STEFFEN ROBERTSON AND KIRSTEN (U.S.), INC.**

A handwritten signature in cursive script, appearing to read 'A. Alexander Weaver'.

A. Alexander Weaver, E.I.T.  
Associate Engineer

Enclosure: Results of Grain Size Analysis w/Hydrometer

Steffen Robertson and Kirsten (U.S.), Inc.  
1941 Decker Boulevard  
Columbia, South Carolina 29206, U.S.A.  
Tel. (803) 790-0602 Facsimile (803) 790-0699  
Other offices in: U.S.A., Canada, United Kingdom, Africa, South America and Australia

GRAIN SIZE DISTRIBUTION TEST DATA

Test No.: 17

Date: 6/04/97  
 Project No.: 84301.12  
 Project: DUNCAN ENVIRONMENTAL - WINDSOR APT.

Sample Data

Location of Sample: SB-5 AT 20'  
 Sample Description: REDDISH TAN SILTY FINE SAND  
 USCS Class: SM                      Liquid limit:  
 AASHTO Class: A-4(0.0)            Plasticity index:

Notes

Remarks: SB-5 AT 20'

Fig. No.:

Mechanical Analysis Data

	Initial	After wash
Dry sample and tare=	173.20	89.40
Tare =	0.00	0.00
Dry sample weight =	173.20	89.40
Minus #200 from wash=	48.4 %	
Tare for cumulative weight retained=	0	
Sieve	Cumul. Wt. retained	Percent finer
# 4	0.00	100.0
# 16	0.00	100.0
# 30	0.20	99.9
# 40	0.60	99.7
# 50	2.60	98.5
# 60	6.10	96.5
# 100	38.90	77.5
# 200	86.90	49.8

Hydrometer Analysis Data

Separation sieve is number 4  
 Percent -# 4 based on complete sample= 100.0  
 Weight of hydrometer sample: 85  
 Calculated biased weight= 85.00  
 Automatic temperature correction  
 Composite correction at 20 deg C = 4  
  
 Meniscus correction only= 0.5  
 Specific gravity of solids= 2.68  
 Specific gravity correction factor= 0.993

Hydrometer type: 152H      Effective depth L= 16.294964 - 0.164 x Rm

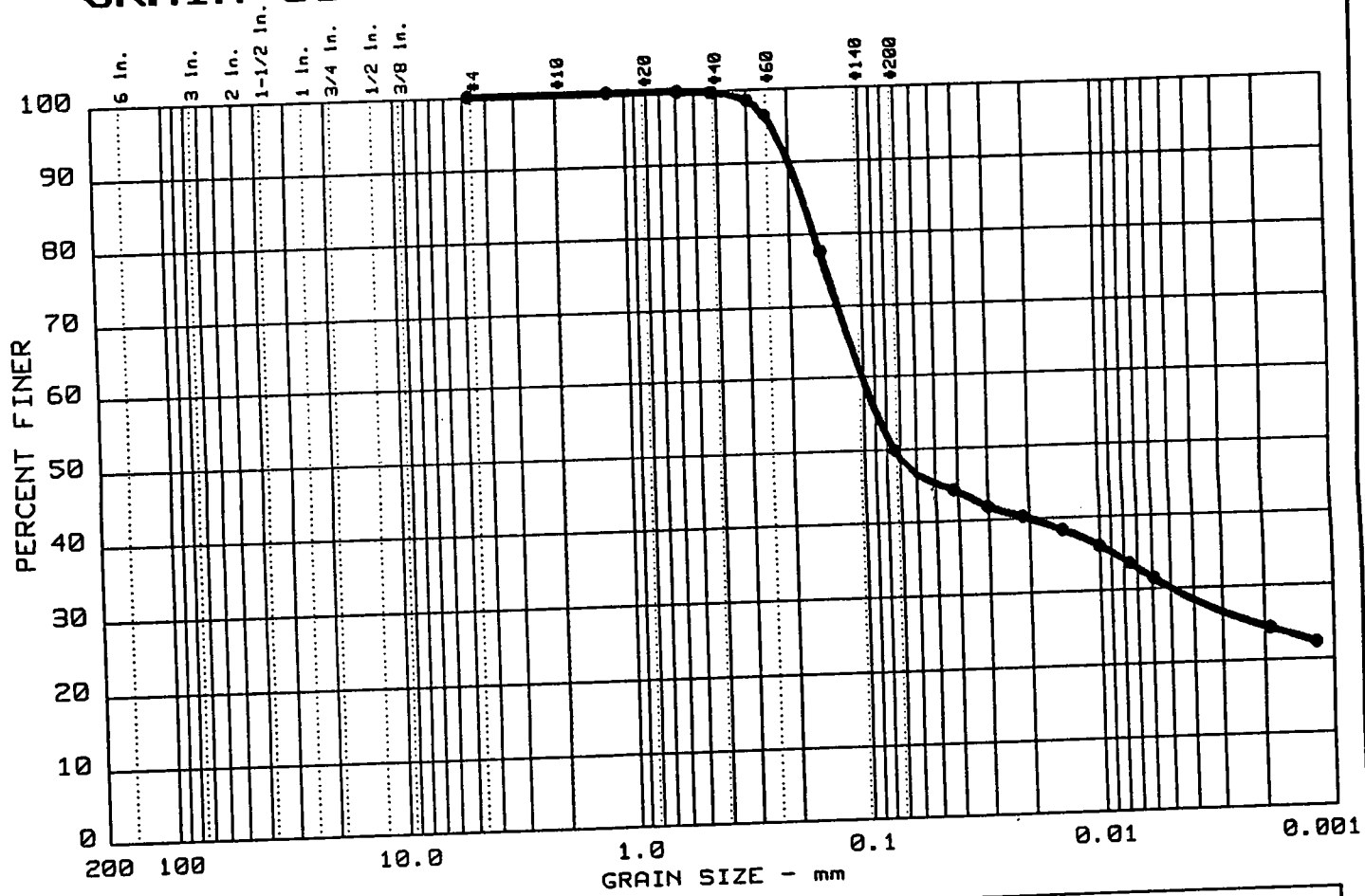
Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
1.0	25.0	32.6	37.9	0.0127	33.1	10.9	0.0420	44.3
2.0	25.0	30.5	35.8	0.0127	31.0	11.2	0.0301	41.8
4.0	25.0	29.2	34.5	0.0127	29.7	11.4	0.0215	40.3
9.0	25.0	27.5	32.8	0.0127	28.0	11.7	0.0145	38.3
19.0	25.0	25.6	30.9	0.0127	26.1	12.0	0.0101	36.1
35.0	25.0	23.5	28.8	0.0127	24.0	12.4	0.0076	33.6
58.0	25.0	21.6	26.9	0.0127	22.1	12.7	0.0059	31.4
605.0	26.0	15.2	20.8	0.0126	15.7	13.7	0.0019	24.4
1610.0	25.0	13.8	19.1	0.0127	14.3	13.9	0.0012	22.3

-----  
Fractional Components  
-----

Gravel/Sand based on #4 sieve  
Sand/Fines based on #200 sieve  
% + 3 in. = 0.0      % GRAVEL = 0.0      % SAND = 50.2  
% FINES = 49.8

D85= 0.18    D60= 0.101    D50= 0.074  
D30= 0.0050

# GRAIN SIZE DISTRIBUTION TEST REPORT



% +3"	% GRAVEL	% SAND	% FINES
0.0	0.0	50.2	49.8

LL	PI	D <sub>85</sub>	D <sub>60</sub>	D <sub>50</sub>	D <sub>30</sub>	D <sub>15</sub>	D <sub>10</sub>	C <sub>c</sub>	C <sub>u</sub>
		0.18	0.10	0.07	0.005				

MATERIAL DESCRIPTION	USCS	AASHTO
● REDDISH TAN SILTY FINE SAND	SM	A-4(0.0)

Project No.: B4301.12  
 Project: DUNCAN ENVIRONMENTAL - WINDSOR APT.  
 ● Location: SB-5 AT 20'

Date: 6/04/97

GRAIN SIZE DISTRIBUTION TEST REPORT  
**STEFFEN ROBERTSON AND KIRSTEN (U.S.) INC.**  
 Consulting Engineers and Scientists

Remarks:  
 SB-5 AT 20'

Figure No. \_\_\_\_\_

**Sample Cross Reference Table**

**Company Name:** Duncan Environmental Assoc. Inc.

**HydroLogic Login Number:** L4960

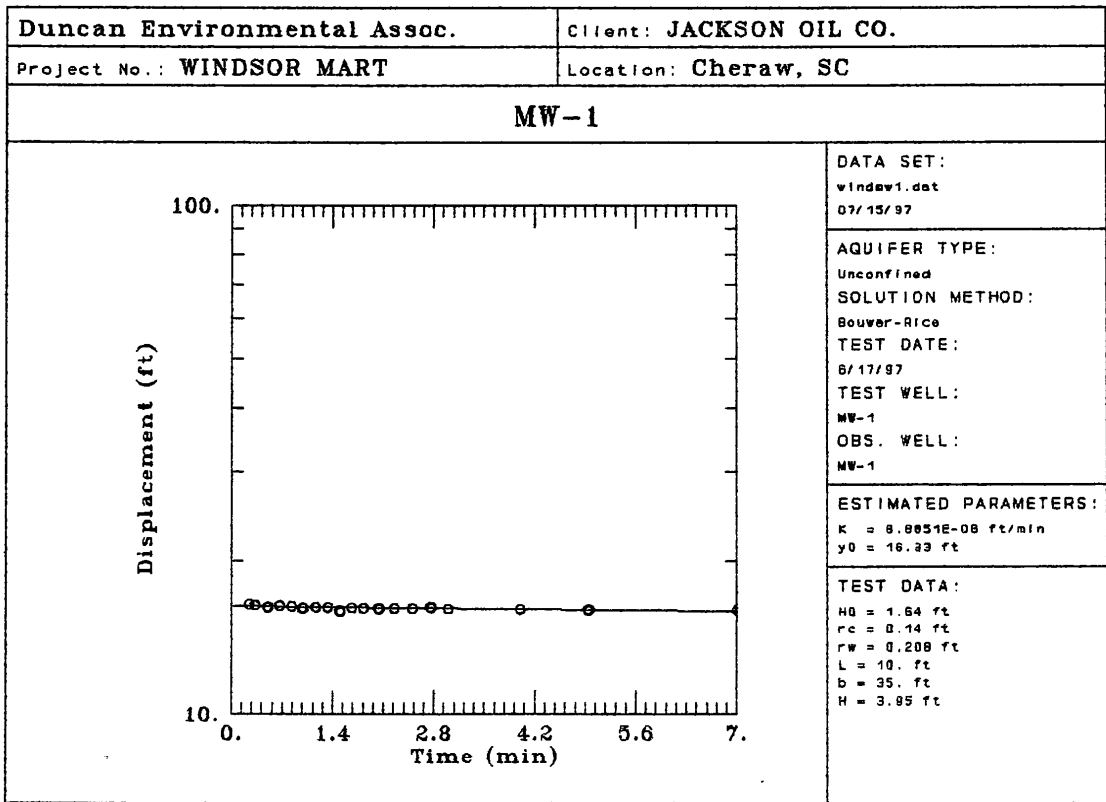
<b>HydroLogic Sample Number</b>	<b>Client Sample Identification</b>	<b>Sample Date/Time</b>
L4960-1	SB-1-5'	28 May 97 10:30
L4960-2	SB-2-5'	28 May 97 12:00
L4960-3	SB-3-4'	28 May 97 13:30
L4960-4	SB-4-15'	28 May 97 14:30
L4960-5	SB-5-15'	29 May 97 11:30
L4960-6	SB-6-15'	29 May 97 13:15

**APPENDIX V**  
**AQUIFER TEST RESULTS**



**WINDSOR MART - CHERAW, SOUTH CAROLINA  
HYDROGEOLOGIC DATA (6/17/97)**

<b>MONITOR WELL</b>	<b>HYDRAULIC CONDUCTIVITY ft/min</b>	<b>HYDRAULIC CONDUCTIVITY ft/day</b>	<b>HYDRAULIC CONDUCTIVITY cm/sec</b>	<b>AQUIFER THICKNESS feet</b>	<b>TRANSMISSIVITY ft<sup>2</sup>/day</b>
MW-1	6.885 x 10 <sup>-6</sup>	0.010	3.4 x 10 <sup>-6</sup>	35	0.35
MW-4	1.929 x 10 <sup>-5</sup>	0.027	9.7 x 10 <sup>-6</sup>	35	0.945



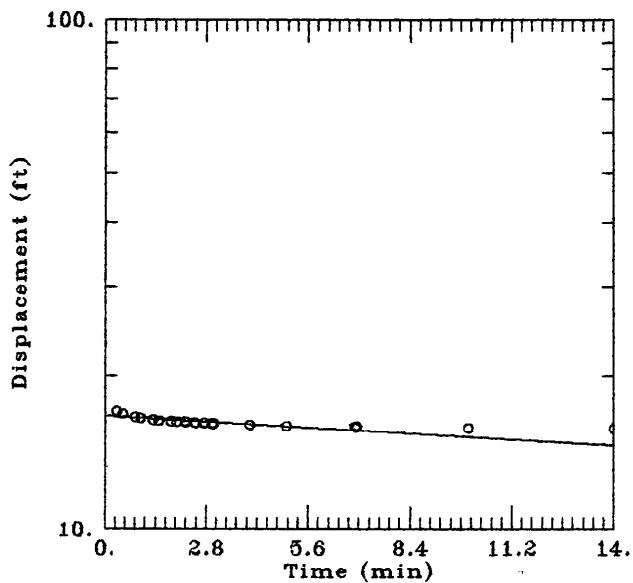
Duncan Environmental Assoc.

Client: JACKSON OIL CO.

Project No.: WINDSOR MART

Location: Cheraw, SC

MW-4



DATA SET:

windw2.dat  
07/15/97

AQUIFER TYPE:

Unconfined  
SOLUTION METHOD:

Bower-Rice  
TEST DATE:  
8/17/97

TEST WELL:  
MW-4  
OBS. WELL:  
MW-4

ESTIMATED PARAMETERS:

K = 1.9288E-05 ft/min  
y0 = 18.89 ft

TEST DATA:

H0 = 1.78 ft  
rc = 0.14 ft  
rw = 0.208 ft  
L = 10. ft  
b = 35. ft  
H = 4.25 ft

WINDSOR MART SLUG TEST DATA MW-1  
6/17/97

ELAPSED TIME IN SECONDS	ELAPSED TIME IN MINUTES	DEPTH TO WATER IN FEET	REBOUND IN FEET
0	0.00	16.05	
15	0.25	16.45	0.40
20	0.33	16.40	0.35
30	0.50	16.35	0.30
40	0.67	16.35	0.30
50	0.83	16.31	0.26
60	1.00	16.28	0.23
70	1.17	16.25	0.20
80	1.33	16.24	0.19
90	1.50	16.21	0.16
100	1.67	16.20	0.15
110	1.83	16.18	0.13
120	2.00	16.17	0.12
135	2.25	16.15	0.10
150	2.50	16.14	0.09
165	2.75	16.13	0.08
180	3.00	16.11	0.06
240	4.00	16.09	0.04
300	5.00	16.08	0.03
420	7.00	16.06	0.01

WINDSOR MART SLUG TEST DATA MW-4  
6/17/97

ELAPSED TIME IN SECONDS	ELAPSED TIME IN MINUTES	DEPTH TO WATER IN FEET	REBOUND IN FEET
0	0.00	15.75	
20	0.33	17.05	1.30
30	0.50	16.85	1.10
40	0.67	16.71	0.96
50	0.83	16.60	0.85
60	1.00	16.50	0.75
70	1.17	16.43	0.68
80	1.33	16.39	0.64
90	1.50	16.34	0.59
100	1.67	16.30	0.55
110	1.83	16.27	0.52
120	2.00	16.25	0.50
135	2.25	16.20	0.45
150	2.50	16.18	0.43
165	2.75	16.15	0.40
180	3.00	16.11	0.36
240	4.00	16.03	0.28
300	5.00	15.95	0.20
420	7.00	15.86	0.11
600	10.00	15.81	0.06
840	14.00	15.77	0.02

**APPENDIX VI**  
**SOIL LEACHABILITY MODEL**

# IN-SITU SOIL RISK EVALUATION

## SOUTH CAROLINA

Department of Health and Environmental Control (DHEC)

Ground Water Protection Division (GWPD)

State Underground Petroleum Environmental Response Bank (SUPERB)

### Site Data

GWPD SITE ID # 02314

COUNTY CHESTERFIELD

FACILITY NAME WINDSOR MART

STREET ADDRESS 820 CHESTERFIELD ROAD

### Soil Risk Evaluation Data

Figure

TPH	<u>10</u> mg/kg	
Soil % SAND	<u>50.2</u> %	
Soil % CLAY	<u>31.4</u> %	
Worst Case	Benzene <u>0.021</u> mg/kg	C s
Soil Analyses	Toluene <u>0.017</u> mg/kg	C s
	Ethylbenzene <u>0.003</u> mg/kg	C s
	Xylenes <u>0.011</u> mg/kg	C s
	Naphthalene <u>0.26</u> mg/kg	C s
Natural Organic Carbon Content	<u>1850</u> mg/kg	f oc
Average Annual Recharge	<u>25</u> cm	H w
Distance from highest Soil Contamination to water table	<u>32.61</u> cm	L
Bulk Density of Soil	<u>1.55</u> g/cc	B d
Wetting Front Suction	<u>-20</u> cm	H f
Soil Hydraulic Conductivity	<u>5.6E-05</u> cm/sec	K u
Porosity	<u>0.5</u> decimal %	_
Residual Water Content	<u>0.1</u> decimal %	W r

List possible human exposure pathways from surface soils.

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Page 1 of 2 Pages

IN-SITU SOIL RISK EVALUATION

Equation Set I

Step 1  $F_{cs} = (F_{oc} + TPH/1.724) * (.000001)$

$F_{cs} = 0.00186$

Step 2  $C_w = C_s / (K_{oc} * F_{cs})$

	$K_{oc} *$	$C_w$
Benzene	81	0.14
Toluene	133	0.07
Ethylbenzene	176	0.01
Xylenes	639	0.01
Naphthalene	1543	0.09

\* from Table 2 of docs

Equation Set II

Step 1  $f = \frac{W_r}{K_f}$

$f = 0.4$

Step 2  $t = [f / K_f] [L - \{H_w - H_f\} \ln \{ \frac{H_w + L - H_f}{H_w - H_f} \}]$

$t = \text{*****}$

Step 3  $V_w = (L/30.48) / (t/31500000)$

$V_w = 583.68$

Equation Set III

Step 1  $K_d = K_{oc} * (f_{oc}) * (.000001)$

Step 2  $V_c = V_w / (1 + (B_d * K_d) / \beta)$   $\beta = 0.45$

Equation Set IV

Step 1  $T_c = 365 * L/30.48 / V_c$

	$K_{oc} *$	$K_d$	$V_c$	$T_c$
Benzene	81	0.1499	384.98	1.01
Toluene	133	0.2461	315.93	1.24
Ethylbenzene	176	0.3256	275.13	1.42
Xylenes	639	1.1822	115.08	3.39
Naphthalene	1543	2.8546	53.88	7.25

\* from Table 2 of docs



Equation Set IV (continued)

Step 2

$$\log [C w] = \log [C rbsl] + \{(T c/2.3) \times (0.693/t^{1/2})\}$$

	C rbsl**	t 1/2***	log [C w]	C w
Benzene	0.005	16	-2.28	0.005
Toluene	1	22	0.02	1.040
Ethylbenzene	0.7	10	-0.11	0.772
Xylenes	10	28	1.04	10.877
Naphthalene	0.025	48	-1.56	0.028

\*\* Risk-based screening level (enter)

\*\*\* from Table 1 of docs

Equation Set V

Step 1

$$C_{sstl} = DAF \times C w \times K_{oc} \times X_{fcs}$$

DAF - 2 (Clay) or 8 (Sandy) ??

8
---

	C sstl
Benzene	0.00628
Toluene	2.05306
Ethylbenzene	2.01836
Xylenes	103.19
Naphthalene	0.6359

2 3  
NR

**DUNCAN ENVIRONMENTAL  
ASSOCIATES, INC.**

**1750 Holly Hill Drive West Columbia, SC 29169 (803) 731-6083**

December 3, 1991

James R. Hess, P.G. Manager  
UST State Corrective Action Section  
Ground-Water Protection Division  
2600 Bull Street  
Columbia, S.C. 29201

**RECEIVED**

DEC 06 1991

GROUND-WATER  
~~PROTECTION DIVISION~~

copy forwarded  
to Fee Dee  
District E&C

RE. :UST Site Assessment  
Fast Fare #171  
Windsor Drive (S.C. Highway # 9, West)  
Cheraw, Chesterfield County, S.C.  
GWPD Site ID # 02314

Dear Mr. Hess:

A site assessment was conducted at the subject facility to determine if the soils adjacent to the underground tanks have been impacted by the storage of petroleum hydrocarbons. The assessment was conducted at the subject facility by Jackson Oil Company, Inc. personnel.

The assessment consisted of the drilling of three soil borings, OVA scanning of soil samples and the collection and analysis of three soil samples. Soil sample number 1 was analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH). Soil samples numbers 2 and 3 were analyzed for BTEX.

The soil borings ranged in depth from 5 feet at the dispenser island to 7.5 feet adjacent to the tanks. A soil sample was collected from the bottom of each boring (5 and 7.5 feet). The location of the three soil borings are shown on the attached site facility map.

The results of the OVA scanning of the soils from the borings is as follows: boring number 1= +10,000 ppm; boring number 2= 2,000 ppm; and, boring number 3= 0.0 ppm.

The laboratory analytical results for the parameters of BTEX and TPH for soil sample number 1 indicate soils at the location and depth sampled have been impacted with petroleum hydrocarbons. The results of the TPH analysis was 6,960.0 mg/kg. The sample analytical results show a total BTEX concentration of 415,400.0 ug/kg, (benzene <25.0 ug/kg

U.S.T.  
DOCKETING  
459-7

toluene 47,900.0 ug/kg, ethylbenzene 29,500.0 ug/kg and xylenes 338.0 mg/kg), in the soil at the location and depth (7.5') sampled. BTEX was undetected at the detection limit utilized by the laboratory. Please note the BTEX detection limit as indicated on the enclosed laboratory reports (with chain-of custody form). The laboratory analyses were performed by James H. Carr & Associates, Inc. of Columbia, S.C.

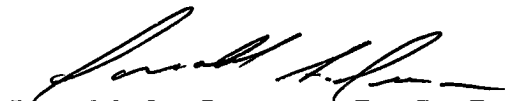
Due to the presence of a total BTEX concentration of 415,400 ug/kg in soil sample number 1, Duncan Environmental Associates, Inc. on behalf of Jackson Oil Company, Inc., requests the site, Fast Fare #171, be qualified for coverage under the SUPERB FUND should any remediation\corrective action be required.

For your information the three 4,000 gallon tanks are currently in use at the subject facility.

If you have any question, comment, or require any additional information, please do not hesitate to contact me at 731-6083.

Yours very truly,

DUNCAN ENVIRONMENTAL ASSOCIATES, INC.

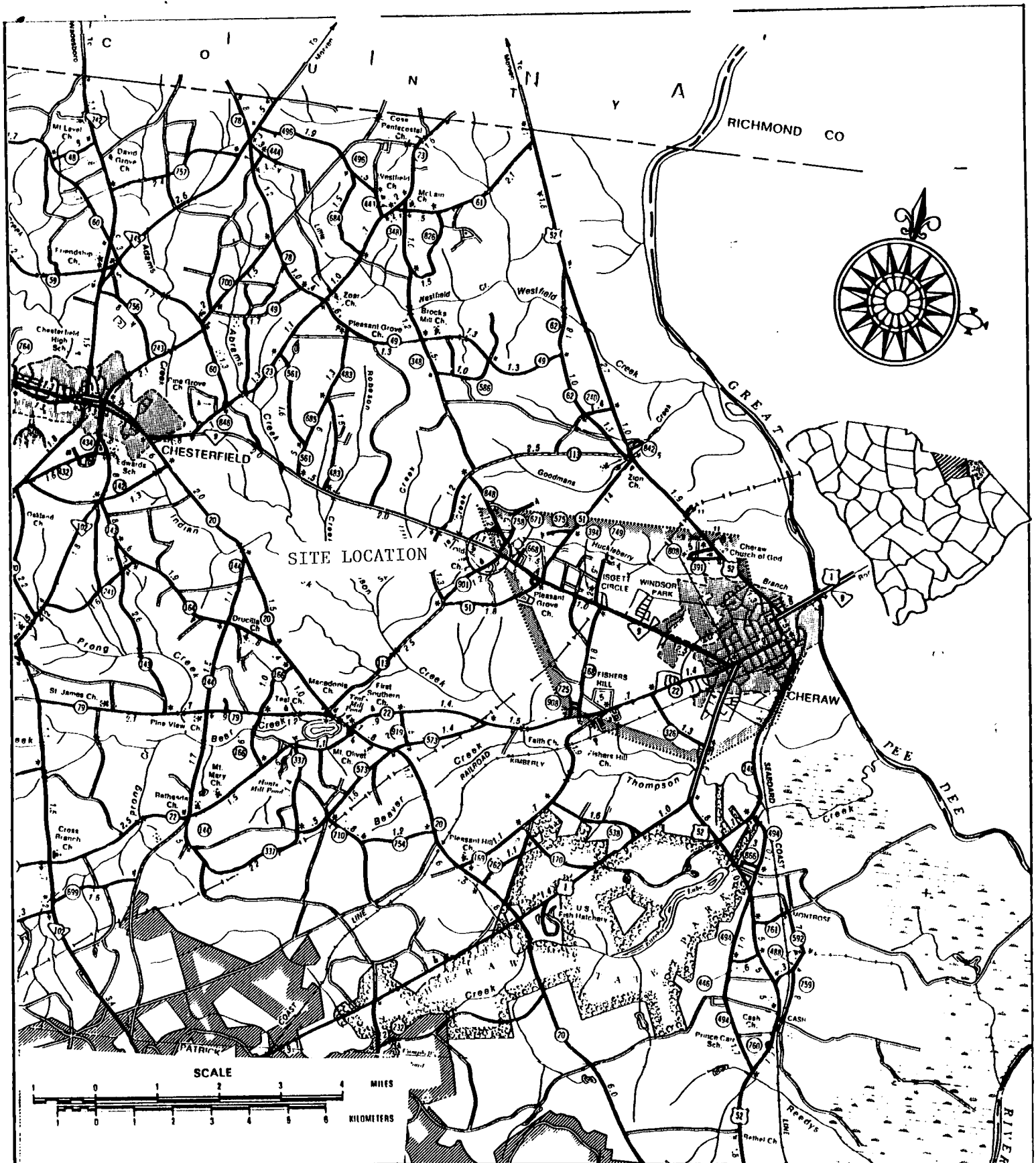


Donald A. Duncan, P. G. President

Enclosures

DAD/ljd/112.003  
jocff171.doc

cc: Charles Jackson, Jr.  
Jackson Oil Co., Inc.  
P.O. Box 968  
Cheraw, S.C. 29520



**DUNCAN  
ENVIRONMENTAL  
ASSOCIATES, INC.**

**1750 Holly Hill Drive  
West Columbia, SC 29169  
(803) 731-6083**

Figure 1A: Site Location Map

Fast Fare #171  
S.C. Hwy. 9 & Windsor Dr.  
Cheraw, S.C.

Fast Fare 171

Asphalt

SS-2 at -92"

Asphalt

SS-1 at -92"

SS-3 at -5'




Product Lines  
Concrete

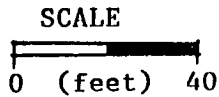
4K  
4K  
4K

UST's

S.C. Highway 9

LEGEND:

-  Sample Location
-  Underground Storage Tanks
-  Soil/Vegetation



NOTE: Scale noted above is approximate

**DUNCAN**  
**ENVIRONMENTAL**  
**ASSOCIATES, INC.**

**1750 Holly Hill Drive**  
**West Columbia, SC 29169**

**(803) 731-6083**

Figure 1: Site Facility Map

Fast Fare #171  
S.C. Hwy. 9 & Windsor Dr.  
Cheraw, S.C.

12/4/91 TGF

James H. Carr & Associates, Inc.  
 Office & Laboratories  
 P.O. Box 90209  
 Columbia, SC 29290

11/10/91

Mr. Charles Jackson  
 JACKSON OIL COMPANY  
 P.O. BOX 948  
 CHEWAM, SC 29520

Dear Mr. Jackson:

The following are the results of the parameters you requested we check on your FAST FARE samples listed below.

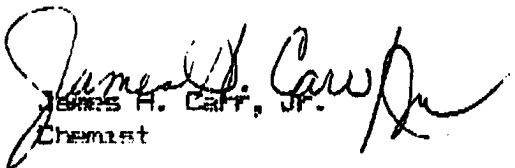
Parameter	Analyst	Analysis Date	Analysis Time	Results	Lowest Detectable Level	Method #
1/10/91 In House # 11-5836-91	Source 1		Location F 171			
Hydrocarbon Scan (FID) - solid	DCS	11/11/91	16:00	6760.000 ug/kg	10.000 ug/kg	
Benzene - solid	AT	11/11/91	15:51	< 25.000 ug/kg	25.000 ug/kg	624
Toluene - solid	AT	11/11/91	15:51	47900.000 ug/kg	25.000 ug/kg	624
Ethylbenzene - solid	AT	11/11/91	15:51	29500.000 ug/kg	25.000 ug/kg	624
Xylene - solid	AT	11/11/91	15:51	338.000 ug/kg **	50.000 ug/kg	624

Comments:

BTEX run began at 15:51. For BTEX, detection limits and less than values are 100X those shown. \*\* denotes results are in ug/kg.

Laboratory ID # 40111

Very truly yours,

  
 JAMES H. CARR, JR.  
 Chemist

James H. Carr & Associates, Inc.  
 Office & Laboratories  
 P.O. Box 90209  
 Columbia, SC 29290

11/19/91

Mr. Charles Jackson  
 JACKSON OIL COMPANY  
 P.O. BOX 968  
 C-ETAW, SC 29520

Dear Mr. Jackson:

The following are the results of the parameters you requested we check on your  
 FAST FARE samples listed below.

Parameter	Analyst	Analysis Date	Analysis Time	Results	Lowest Detectable Level	Method #
11/01/91 In House # 11-5837-91	Source 2		Location FF 171			
Benzene - solid	AT	11/11/91	14:57	< 25.000 ug/kg	25.000 ug/kg	624
Toluene - solid	AT	11/11/91	14:57	< 25.000 ug/kg	25.000 ug/kg	624
Ethylbenzene - solid	AT	11/11/91	14:57	< 25.000 ug/kg	25.000 ug/kg	624
Xylene - solid	AT	11/11/91	14:57	< 50.000 ug/kg	50.000 ug/kg	624

Comments:

BTEX run began at 14:52.

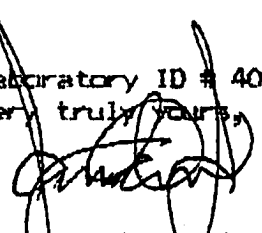
11/01/91 In House # 11-5838-91	Source 3		Location FF 171			
Benzene - solid	AT	11/11/91	13:25	< 25.000 ug/kg	25.000 ug/kg	624
Toluene - solid	AT	11/11/91	13:25	< 25.000 ug/kg	25.000 ug/kg	624
Ethylbenzene - solid	AT	11/11/91	13:25	< 25.000 ug/kg	25.000 ug/kg	624
Xylene - solid	AT	11/11/91	13:25	< 50.000 ug/kg	50.000 ug/kg	624

Comments:

BTEX run began at 13:51. w

Laboratory ID # 40111

Very truly yours,

  
 James H. Carr, Jr.  
 Chemist

Samples mailed Nov 1

CARR LABORATORIES

CHAIN OF CUSTODY RECORD

Client Jackson Oil Co., FNC Project No. \_\_\_\_\_  
 Contact CHARLES JACKSON JR Phone No. 803 537 7080  
 Address PO Box 968 CHEWAN, SC 29520 Fax No. 803 537 7638  
 Collected By CHARLES JACKSON JR Client P.O.# \_\_\_\_\_

MT (Matrix Type)  
 L=Liquid  
 S=Soil  
 O=Oil  
 X=Other

AP (Analytical Program)  
 W=Wastewater  
 G=Groundwater  
 D=Drinking Water  
 S=Solid/Haz. Waste  
 N=Nonregulated

Carr's Lab No.	Sample		Date/Time	Well	Grab	Composite	M	A	P	Number of Containers	Preserved Y or N	Analyses Requested
	Source	Location										
	Fast Track 171	1	11/1/91							2		BTEX / TPH
	Fast Track 171	2	11/1/91							1		BTEX
	Fast Track 171	3	11/1/91							1		BTEX

Relinquished By [Signature] Received By \_\_\_\_\_ Date 11/1/91 Time 10 AM  
 1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 Received In Lab By \_\_\_\_\_

JAMES H. CARR & ASSOCIATES, INC.  
 Office and Laboratories  
 P.O. Box 90209  
 Columbia, South Carolina 29290  
 (803) 776-7789 Fax: 783-2192





Commissioner: Michael D. Jarrett

Board: William E. Applegate, III, Chairman  
John H. Burriss, Vice Chairman  
Richard E. Jabbour, DDS, Secretary

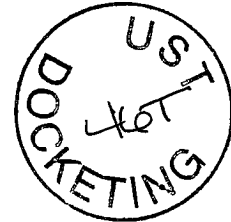
Toney Graham, Jr., MD  
Sandra J. Molander  
John B. Pate, MD  
Robert J. Stripling, Jr.

Promoting Health, Protecting the Environment

March 23, 1992

JACKSON OIL COMPANY  
P.O. BOX 968  
CHERAW, S.C. 29520

Re: FAST FARE #171, CHERAW  
GWPD Site # 02314  
Release Report dated DECEMBER 6, 1991  
CHESTERFIELD County



Dear MR. CHARLES JACKSON JR.:

The Ground-Water Protection Division (GWPD) of the South Carolina Department of Health and Environmental Control (SCDHEC) has received the above referenced release report. Soil contamination at this site has been confirmed at levels that require rehabilitation. This letter addresses the following topics: SUPERB Qualification, Initial Abatement, Free Product Recovery, Checklists, Expanded Assessment Plan, SUPERB Payment of the Expanded Assessment Plan, SUPERB Payment of Initial Abatement, and Enforcement.

### **SUPERB Qualification**

Provided none of the exclusions listed in Section 44-2-110 of the State Underground Petroleum Environmental Response Bank Act (SUPERB) apply to this site, reasonable costs for site assessment and/or rehabilitation can be paid, either by direct billing or reimbursement, from the SUPERB fund in accordance with the enclosed SUPERB guidance. Prior to release of SUPERB funds, this office must have written confirmation of the existence (or nonexistence) of an environmental insurance policy or financial responsibility mechanism for this site and a written request for SUPERB funding.

Please note that reimbursement or direct billing from the SUPERB Account cannot occur until all applicable tank registration fees have been paid. If there are outstanding fees for the subject facility, please contact the Finance and Data Management Section of the Ground-Water Protection Division.

### **Initial Abatement**

It is imperative that the cause of the release be identified and corrected in accordance with Section 280.62 of the South Carolina Underground Storage Tank Control Regulations (SCUSTCR). If the underground storage tank (UST) system is still in

Copy sent to Jackson 7/7/92.  
They did not receive the first one.  
ASN

March 23, 1992  
Page 2

operation or still contains product, the immediate removal of the product from the UST system and/or immediate performance of a complete system test must be performed. Confirmation of product removal or current results of tightness tests which verify that all existing systems (i.e. USTs and associated lines) are not leaking, must be submitted on or before **August 7, 1992**, in accordance with Sections 280.52 and 280.62 of the SCUSTCR. **SUPERB** funding cannot be made available until the source of the release is stopped.

### **Free Product Recovery**

In accordance with Section 280.64 of the SCUSTCR, if free product has been indicated at the site, please begin free product removal to the maximum extent as practicable and in a manner that minimizes the spread of contamination.

### **Checklist**

Please complete the enclosed standardized checklists and submit with the above required documentation. These checklists will assist you in understanding your responsibilities as well as expediting the assessment of the sites' contamination.

### **Expanded Assessment Plan**

The extent and severity of soil and possible ground water-contamination at this site must be investigated pursuant to Sections 280.64 and 280.65 of the SCUSTCR. In an effort to expedite activities, streamlining of the assessment phase is being promoted. If your response action contractor participates in the streamlining activities, the Expanded Assessment Plan (EAP) would include specifications for the complete assessment (e.g. a sufficient number of boring/well locations, soil or water quality evaluation, aquifer property evaluations) such that a complete Corrective Action Plan can be prepared. This expanded assessment initiative will be allowed only to Responsible Parties and/or contractors who perform work associated with the UST Regulatory Section and/or the UST Corrective Action Sections. Please read the enclosed Assessment Guidance for a complete explanation of the streamlining option.

### **SUPERB Payment of the EAP**

The requested EAP (2 copies) must be submitted on or before **August 7, 1992**. If the Assessment Plan is to be implemented under a Cost Proposal from the contractor, the Cost Proposal must be submitted with the EAP. If a Cost Proposal is not submitted with the plan, cost for EAP implementation can be recovered through reimbursement or Direct Contractor Payment. The cost associated with preparation and submittal of the EAP may be recovered through Direct Contractor Payment or reimbursement. Please note; Direct Contractor Payment Invoices for preparation and submittal of the EAP submitted with the EAP will be processed upon submittal to the SCDHEC.

March 23, 1992  
Page 3

### **SUPERB Payment of Initial Abatement**

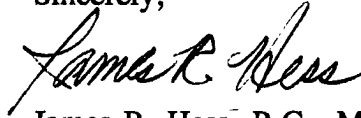
Cost associated with abatement actions (see Sections 280.61 through 280.63 of the SCUSTCR) may be recovered through reimbursement to the Responsible Party or Direct Contractor Payment to the Contractor. This office will not accept Cost Proposals for the work associated with compliance to Sections 280.61 through 280.63 of the SCUSTCR or for preparation and submittal of the Expanded Assessment Plan. Please read the enclosed **SUPERB** guidance for further elaboration on the financial aspects of payment.

### **Enforcement**

The SCDHEC expects all Responsible Parties to comply with the activities required in Sections 280.61 - .64 of the SCUSTCR and of the requests made in this correspondence. Failure to comply with these regulations and/or requests may result in the initiation of enforcement action against the Responsible Party.

On all future correspondence, please reference the **GWPD Site ID number**. Questions concerning the above should be addressed to the Ground-Water Protection Division at 734-5331.

Sincerely,



James R. Hess, P.G., Manager  
UST State Corrective Action Section  
Ground-Water Protection Division  
Bureau of Drinking Water Protection

enclosure

cc: Pee Dee District EQC  
Robertha Dorsey, GWPD

**DUNCAN ENVIRONMENTAL ASSOCIATES,**  
**INC.**

1750 HOLLY HILL DRIVE WEST COLUMBIA, SC 29169 (803) 731-6083

August 7, 1992

Mr. Michael D. Davis, Manager  
UST Regulatory Section  
Ground-Water Protection Division  
2600 Bull Street  
Columbia, S.C. 29201

RE: <sup>4</sup>FAT FARE #171, CHERAW  
GWPD Site ID: # 02314  
Chesterfield, County  
Response to SCDHEC March 23, 1992 Letter

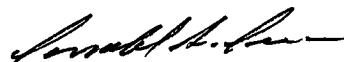
Dear Mr. Davis:

As per the SCDHEC letter of March 23, 1992, please find enclosed two copies of the Expanded Assessment Plan for the subject site. Also enclosed is an invoice, Direct Contractor Payment, for plan preparation and a Cost Proposal for plan implementation, assessment report preparation, and small volume disposal.

If, you have any question, comment, or require any additional information, please contact me at (803) 731-6083.

Yours very truly,

DUNCAN ENVIRONMENTAL ASSOCIATES, INC.



Donald A. Duncan, P.G. President

attachments\enclosures

DAD\gmd\dhmdeapt.doc

cc: Mr. Charles Jackson, Jr.  
Jackson Oil Company, Inc.



**RECEIVED**  
AUG 14 1992  
Groundwater Protection  
Division

SOUTH CAROLINA  
STATE UNDERGROUND PETROLEUM ENVIRONMENTAL RESPONSE BANK ACT  
SUPERB

COST PROPOSAL

PROGRAM TASK AND SITE IDENTIFICATION

SCDHEC Project # 02314 County: Chesterfield  
Street Address S.C. Highway 9, Cheraw, S.C.  
Site Name East Face #171

This attached COST PROPOSAL is for implementation of the following program task(s) (circle all appropriate):

1. Soil Removal
2. Soil Treatment/Disposal
3. Assessment Plan (AP) Preparation
4. AP Implementation
5. Assessment Report (AR) Preparation and Submittal
6. Permitting
7. Corrective Action Plan (CAP)/Engineering Report (ER) Preparation
8. CAP/ER Implementation
9. Monitoring/Recovery/Maintenance
10. Monitoring Report Preparation
11. Small Volume Disposal

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, and any other information I may be aware of, I believe that the submitted information is true, accurate, and complete.

DONALD A. DUNCAN, P.C.  
Name (Type or Print)

DUNCAN ENVIRONMENTAL ASSOCIATES, INC.  
Firm or Affiliation

Donald A. Duncan      Aug. 7, 1992      731-6083  
Signature      Date signed      Phone

Proposed Total: \$76,797.50

<b>SCDHEC USE ONLY</b>
Approved Total: _____

**COST PROPOSAL SIGNATURE PAGE**

**Contractor**

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, and any other information I may be aware of, I affirm the following is true:

- 1) The proposed costs herein do not exceed proposed costs or invoiced cost to other entities or agencies, both public and private, for performance of similar work, and;
- 2) I have completely read and understand the provisions within the SUPERB Act, the SUPERB Guidance, and any relevant SCDHEC correspondence.

I certify that approval of this Cost Proposal and subsequent issuance of a Cost Proposal Number by the SCDHEC affirms the contract between the SCDHEC and I; thereby binding me to the related elements within the work plan and all related guidance provided by the SCDHEC.

I certify that failure to comply with any recoupment of undocumented costs and/or overpayment actions brought against me may allow the SCDHEC to prevent me from utilizing Direct Billing in the future.

DONALD A. DUNCAN, P.G.  
Name (Type or Print)

DUNCAN ENVIRONMENTAL ASSOCIATES, INC.  
Firm or Affiliation

*Donald A. Duncan*                      Aug. 7, 1992                      731-6084  
Signature                                      Date signed                                      Phone

57-0923556  
Federal Tax ID/SSN # of Payee

**Responsible Party**

Jackson Oil Co., Inc.  
Name (Type or Print)

*Chuck Johnson Jr.*                                      VP  
Signature    Title

07/28/92                                      803 537 7080  
Date signed                                      Phone



**COST PROPOSAL SUMMARY SHEETS**  
Type or Print Legibly

Program Tasks

Cost

**SCDHEC USE ONLY**  
(Adj) (App)

**3. ASSESSMENT PLAN (AP) PREPARATION**

Obtained from Supplementary Forms

A. Personnel	_____
B. Capital Expense Items	_____
C. Rentals	_____
D. Mileage	_____
E. Shipping	_____
F. Well drilling	_____
G. Analysis	_____
H. Miscellaneous	_____
<b>AP PREPARATION</b>	
<b>TOTAL</b>	_____

_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____

**4. AP IMPLEMENTATION**

Obtained from Supplementary Forms

A. Personnel	<u>\$15,612.00</u>
B. Capital Expense Items	_____
C. Rentals	<u>\$2897.00</u>
D. Mileage	<u>\$500.00</u>
E. Shipping	_____
F. Well drilling	<u>\$19,270.00</u>
G. Analysis	<u>\$29,122.50</u>
H. Miscellaneous	<u>\$2,644.00</u>
<b>AP IMPLEMENTATION</b>	
<b>TOTAL</b>	<u>\$70,045.50</u>

_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____
_____	=	_____

**COST PROPOSAL SUMMARY SHEETS**  
 Type or Print Legibly

Program Tasks

Cost

**SCDHEC USE ONLY**  
 (Adj) (App)

**5. ASSESSMENT REPORT (AR) PREPARATION AND SUBMITTAL**

Obtained from Supplementary Forms

A. Personnel	<u>\$4,730.00</u>	_____ = _____
B. Capital Expense Items	_____	_____ = _____
C. Rentals	_____	_____ = _____
D. Mileage	_____	_____ = _____
E. Shipping	_____	_____ = _____
F. Well drilling	_____	_____ = _____
G. Analysis	_____	_____ = _____
H. Miscellaneous	<u>\$100.00</u>	_____ = _____
<b>AR PREPARATION AND SUBMITTAL TOTAL</b>	<u>\$4830.00</u>	_____ = _____

**6. PERMITTING**

Obtained from Supplementary Forms

A. Personnel	_____	_____ = _____
B. Capital Expense Items	_____	_____ = _____
C. Rentals	_____	_____ = _____
D. Mileage	_____	_____ = _____
E. Shipping	_____	_____ = _____
F. Well drilling	_____	_____ = _____
G. Analysis	_____	_____ = _____
H. Miscellaneous	_____	_____ = _____
<b>PERMITTING TOTAL</b>	_____	_____ = _____





**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

Program Task: EAP IMPLEMENTATION

**Personnel Category**

Project Manager

Description of work:	Hours		Rate/Hour	=	Subtotal
1 <u>Schedule site activities,</u>	<u>8.0</u>	x	<u>\$80.00</u>	=	<u>\$ 640.00</u>
2 <u>personnel, equipment; drilling,</u>	_____	x	_____	=	_____
3 <u>sampling, testing, etc.</u>	_____	x	_____	=	_____
4 _____	_____	x	_____	=	_____
			Subtotal	:	<u>\$ 320.00</u>

**Personnel Category**

Hydrogeologist

Description of work:	Hours		Rate/Hour	=	Subtotal
1 <u>Coordinate and supervise</u>	<u>24</u>	x	<u>\$68.00</u>	=	<u>\$1,632.00</u>
2 <u>site activities; soil borings</u>	_____	x	_____	=	_____
3 <u>(drilling, screening, logging</u>	_____	x	_____	=	_____
4 <u>and sampling).</u>	_____	x	_____	=	_____
			Subtotal	:	<u>\$1,632.00</u>

**Personnel Category**

Hydrogeologist

Description of work:	Day		Rate/Hour	=	Subtotal
1 <u>Coordinate and supervise</u>	<u>16.0</u>	x	<u>\$ 68.00</u>	=	<u>\$1,088.00</u>
2 <u>site activities; installation</u>	_____	x	_____	=	_____
3 <u>development, and sampling of</u>	_____	x	_____	=	_____
4 <u>three MW's</u>	_____	x	_____	=	_____
			Subtotal	:	<u>\$1 088.00</u>

TOTAL PERSONNEL COST : \$3,360.00

**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

**Program Task: EAP IMPLEMENTATION**

**Personnel Category**

Hydrogeologist

Description of work:	Hours		Rate/Hour		Subtotal
1 <u>Coordinate and supervise</u>	<u>32.0</u>	x	<u>\$ 68.00</u>	=	<u>\$2,176.00</u>
2 <u>site activities; installation</u>	_____	x	_____	=	_____
3 <u>development, and sampling of</u>	_____	x	_____	=	_____
4 <u>seven MW's</u>	_____	x	_____	=	_____
			Subtotal	:	<u>\$2 176.00</u>

**Personnel Category**

Hydrogeologist

Description of work:	Hours		Rate/Hour		Subtotal
1 <u>Coordinate and supervise</u>	<u>24.0</u>	x	<u>\$ 68.00</u>	=	<u>\$1,632.00</u>
2 <u>site activities; installation</u>	_____	x	_____	=	_____
3 <u>development, and sampling of</u>	_____	x	_____	=	_____
4 <u>deep well (PW).</u>	_____	x	_____	=	_____
			Subtotal	:	<u>\$1,632.00</u>

**Personnel Category**

Hydrogeologist

Description of work:	Day		Rate/Hour		Subtotal
1 <u>Conduct hydraulic tests</u>	<u>8.0</u>	x	<u>\$ 68.00</u>	=	<u>\$ 544.00</u>
2 <u>(slug tests) on three MW's</u>	_____	x	_____	=	_____
3 _____	_____	x	_____	=	_____
4 <u>three MW's</u>	_____	x	_____	=	_____
			Subtotal	:	<u>\$ 544.00</u>

**TOTAL PERSONNEL COST : \$4,352.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

**Program Task: EAP IMPLEMENTATION**

**Personnel Category**

Technician

Description of work:	Hours	Rate/Hour	Subtotal
1 <u>Screen and sample soil</u>	<u>24</u>	<u>\$ 40.00</u>	= <u>\$ 960.00</u>
2 <u>borings, containerize</u>	_____ x	_____	= _____
3 <u>contaminated soil and water,</u>	_____ x	_____	= _____
4 <u>assist with well logging</u>	_____ x	_____	= _____
		Subtotal :	<u>\$ 960.00</u>

**Personnel Category**

Technician

Description of work:	Hours	Rate/Hour	Subtotal
1 <u>Screen soils; containerize</u>	<u>16</u>	<u>\$ 40.00</u>	= <u>\$ 640.00</u>
2 <u>contaminated soil and water;</u>	_____ x	_____	= _____
3 <u>develop and sample three MW's;</u>	_____ x	_____	= _____
4 <u>assist with well logging</u>	_____ x	_____	= _____
		Subtotal :	<u>\$ 640.00</u>

**Personnel Category**

Technician

Description of work:	Hours	Rate/Hour	Subtotal
1 <u>Screen soils; containerize</u>	<u>32</u>	<u>\$ 40.00</u>	= <u>\$1 280.00</u>
2 <u>contaminated soil and water;</u>	_____ x	_____	= _____
3 <u>develop and sample three MW's;</u>	_____ x	_____	= _____
4 <u>assist with well logging</u>	_____ x	_____	= _____
		Subtotal :	<u>\$1 280.00</u>

**TOTAL PERSONNEL COST : \$2,880.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

**Program Task: EAP IMPLEMENTATION**

**Personnel Category**

Technician

Description of work:	Hours	Rate/Hour	Subtotal
1 <u>Screen soils; containerize</u>	<u>24</u>	<u>\$ 40.00</u>	= <u>\$ 960.00</u>
2 <u>contaminated soil and water;</u>	_____ x	_____	= _____
3 <u>develop and sample deep well</u>	_____ x	_____	= _____
4 <u>assist with well logging</u>	_____ x	_____	= _____
		Subtotal :	<u>\$ 960.00</u>

**Personnel Category**

Technician

Description of work:	Hours	Rate/Hour	Subtotal
1 <u>Assist with hydraulic testing</u>	<u>8</u>	<u>\$ 40.00</u>	= <u>\$ 320.00</u>
2 <u>(slug tests) of three MW's</u>	_____ x	_____	= _____
3 _____	_____ x	_____	= _____
4 _____	_____ x	_____	= _____
		Subtotal :	<u>\$ 320.00</u>

**Personnel Category**

Drill Crew (two-man)

Description of work:	Days	Rate/Day	Subtotal
1 <u>Drill-install; soil borings,</u>	<u>10</u> x	<u>\$ 230.00</u>	= <u>\$2,300.00</u>
2 <u>ten MW's and one PW (deep well</u>	_____ x	_____	= _____
3 _____	_____ x	_____	= _____
4 _____	_____ x	_____	= _____
		Subtotal :	<u>\$2,300.00</u>

**TOTAL PERSONNEL COST : \$3,580.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

**Program Task: EAP IMPLEMENTATION**

**Personnel Category**

South Carolina Certified Surveyor

Description of work:	Fixed	Rate		Subtotal
1 <u>Detailed site survey</u>	<u>1</u>	<u>\$ 750.00</u>	=	<u>\$ 750.00</u>
2 _____	_____ x	_____	=	_____
3 _____	_____ x	_____	=	_____
4 _____	_____ x	_____	=	_____
		Subtotal :		<u>\$ 750.00</u>

**Personnel Category**

Duncan Environmental Assoc.

Description of work:	Units	Rate/Unit		Subtotal
1 <u>Contractor surveys</u>	<u>3</u>	<u>\$ 230.00</u>	=	<u>\$ 690.00</u>
2 _____	_____ x	_____	=	_____
3 _____	_____ x	_____	=	_____
4 _____	_____ x	_____	=	_____
		Subtotal :		<u>\$ 690.00</u>

**Personnel Category**

Description of work:	Days	Rate/Day		Subtotal
1 _____	_____ x	_____	=	_____
2 _____	_____ x	_____	=	_____
3 _____	_____ x	_____	=	_____
4 _____	_____ x	_____	=	_____
		Subtotal :		_____

**TOTAL PERSONNEL COST : \$1,440.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "C"  
RENTAL**

**Program Task: EAP Implementation**

**(Please include certified vendor rate sheet)**

All rentals should be shown on this form. For items in direct contact with contaminated media and which have a duration of use at a site of more than four months, include unit purchase price (see guidance for further explanation).

Description of Item (make, model, etc...)	Purchase Price	Unit Time	Rate Per Unit Time	Subtotal
1 <u>Steam Cleaner</u>		<u>10 days</u>	<u>x \$81.00</u>	<u>= \$ 810.00</u>
2 <u>Water-level indicator</u>		<u>10 days</u>	<u>x \$25.00</u>	<u>= \$ 250.00</u>
3 <u>Demolition Hammer</u>		<u>10 days</u>	<u>x \$50.00</u>	<u>= \$ 500.00</u>
4 <u>OVA Photo</u>		<u>10 days</u>	<u>x \$113.00</u>	<u>= \$1,130.00</u>
5 <u>pH Meter</u>		<u>3 days</u>	<u>x \$ 33.00</u>	<u>= \$ 99.00</u>
6 <u>Conductivity Meter</u>		<u>3 days</u>	<u>x \$ 36.00</u>	<u>= \$ 108.00</u>
7 _____			<u>x _____</u>	<u>= _____</u>

**TOTAL RENTAL COST : \$ 2,897.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "D"  
MILEAGE**

**Program Task: EAP Implementation**

Please list rental vehicles on Supplementary Form "C".

Type of vehicle	Miles		Rate per mile		Subtotal
<u>Pick-up</u>	<u>400</u>	<u>x</u>	<u>\$0.43</u>	<u>=</u>	<u>\$ 172.00</u>
<u>Station Wagon</u>	<u>400</u>	<u>x</u>	<u>\$0.39</u>	<u>=</u>	<u>\$ 156.00</u>
<u>Pick-up</u>	<u>400</u>	<u>x</u>	<u>\$0.43</u>	<u>=</u>	<u>\$ 172.00</u>
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	
		<u>x</u>		<u>=</u>	

**TOTAL MILEAGE COST : \$ 500.00**





**COST PROPOSAL  
SUPPLEMENTARY FORM "F"  
WELL DRILLING**

**Program Task: EAP Implementation.**

Well drilling costs, on a cost per foot basis, shall include installation and materials (for example, casing, screen, caps, plugs, protective casing, sand, drilling mud and bentonite). This form should also be used for soil borings and piezometers. Mobilization (which should include rig mileage), and split spoon sample costs should be listed separately at the bottom of the form.

List EACH Well using the Well Identification Number shown in the Technical Proposal for this site (use standardized well i.d.'s listed in the guidance).

Well ID No.	PVC, Steel, etc..	Casing Diameter (ID)	Depth	Rate Per Foot	Subtotal
<u>SB-9</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-10</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-11</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-12</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-13</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-14</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-15</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>
<u>SB-16</u>	<u>N\A</u>	<u>6.25"</u>	<u>20 ft. x</u>	<u>\$ 18.00</u>	<u>= \$ 360.00</u>

Subtotal drilling costs : \$2,888.00  
 Brought forward : \$2,880.00  
 Mobilization (mob/demob rate + mileage): \$ 400.00

Split spoon samples \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
 quantity rate

**TOTAL DRILLING COST : \$ 6,160.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "F"  
WELL DRILLING**

**Program Task: EAP Implementation.**

Well drilling costs, on a cost per foot basis, shall include installation and materials (for example, casing, screen, caps, plugs, protective casing, sand, drilling mud and bentonite). This form should also be used for soil borings and piezometers. Mobilization (which should include rig mileage), and split spoon sample costs should be listed separately at the bottom of the form.

List EACH Well using the Well Identification Number shown in the Technical Proposal for this site (use standardized well i.d.'s listed in the guidance).

Well ID No.	PVC, Steel, etc...	Casing Diameter (ID)	Depth	Rate Per Foot	Subtotal
<u>MW-1</u>	<u>PVC</u>	<u>2 inch</u>	<u>25 ft.</u>	<u>x \$ 37.00</u>	<u>= \$ 925.00</u>
<u>MW-2</u>	<u>PVC</u>	<u>2 inch</u>	<u>25 ft.</u>	<u>x \$ 37.00</u>	<u>= \$ 925.00</u>
<u>MW-3</u>	<u>PVC</u>	<u>2 inch</u>	<u>25 ft.</u>	<u>x \$ 37.00</u>	<u>= \$ 925.00</u>
_____	_____	_____	_____	<u>x</u>	<u>=</u>
_____	_____	_____	_____	<u>x</u>	<u>=</u>
_____	_____	_____	_____	<u>x</u>	<u>=</u>
_____	_____	_____	_____	<u>x</u>	<u>=</u>
_____	_____	_____	_____	<u>x</u>	<u>=</u>

Subtotal drilling costs : \$2,775.00  
 Mobilization (mob/demob rate + mileage): \$ 400.00

Split spoon samples \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
 quantity rate

**TOTAL DRILLING COST : \$ 3,175.00**



**COST PROPOSAL  
SUPPLEMENTARY FORM "G"  
ANALYSIS**

**Program Task: EAP Implementation**

Method	Solid/Liquid (indicate)	Number of Analyses	Rate Per Analysis	Subtotal
Environmental Protection Agency (EPA) Method 601 or 5030/8010	_____	_____	x _____	= _____
	_____	_____	x _____	= _____
EPA Method 602 or 5030/8020	<u>Liquid</u>	<u>11</u>	x <u>\$125.00</u>	= <u>\$1,375.00</u>
	<u>Solid</u>	<u>64</u>	x <u>\$125.00</u>	= <u>\$8,000.00</u>
TPH	<u>Liquid</u>	<u>11</u>	x <u>\$122.50</u>	= <u>\$1,347.50</u>
	<u>Solid</u>	<u>64</u>	x <u>\$122.50</u>	= <u>\$7,840.00</u>
MTBE	<u>Liquid</u>	<u>11</u>	x <u>\$125.00</u>	= <u>\$1,375.00</u>
	<u>Solid</u>	<u>64</u>	x <u>\$125.00</u>	= <u>\$8,000.00</u>
EPA Method 624	<u>Liquid</u>	<u>1</u>	x <u>\$250.00</u>	= <u>\$ 250.00</u>
EPA Method 625	<u>Liquid</u>	<u>1</u>	x <u>\$500.00</u>	= <u>\$ 500.00</u>
	_____	_____	x _____	= _____
Other <u>Lead</u>	<u>Liquid</u>	<u>11</u>	x <u>\$ 35.00</u>	= <u>\$ 385.00</u>
Other <u>pH</u>	<u>Liquid</u>	<u>1</u>	x <u>\$ 10.00</u>	= <u>\$ 10.00</u>
Other <u>BOD</u>	<u>Liquid</u>	<u>1</u>	x <u>\$ 40.00</u>	= <u>\$ 40.00</u>

Subtotal : \$29,122.50

Handling Fee : \_\_\_\_\_ \*

TOTAL ANALYSIS COST : \$29,122.50

\* MAXIMUM RATES used for estimate only;  
Supplies will be invoiced @ actual cost  
plus 15%.

*[Handwritten Signature]*

**COST PROPOSAL  
SUPPLEMENTARY FORM "H"  
MISCELLANEOUS**

**Program Task: EAP Implementation**

Miscellaneous costs may include computer modeling, communications, soil disposal/treatment (for example, landfill and incineration) fees, and U.S. Postage (paper items).

Description of Item	Number of Units	Rate per Unit	Subtotal
<u>Assessment-field (soil)</u>	<u>64</u>	<u>x \$ 3.00</u>	<u>= \$192.00</u>
<u>Assessment-field (MW's)</u>	<u>12</u>	<u>x \$ 13.00</u>	<u>= \$156.00</u>
<u>Assessment-office</u>	<u>1</u>	<u>x \$100.00</u>	<u>= \$100.00</u>
<u>55-gallon drums</u>	<u>8</u>	<u>x \$ 37.50</u>	<u>= \$300.00</u>
<u>Per-diem</u>	<u>24</u>	<u>x \$ 79.00</u>	<u>= \$1896.00</u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>
<u> </u>	<u> </u>	<u>x  </u>	<u>=  </u>

**TOTAL MISCELLANEOUS COST: \$2,644.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

Program Task: AR PREPARATION

**Personnel Category**

Project Manager

Description of work:	Hours		Rate/Hour	=	Subtotal
<u>1Draft Assessment Report</u>	<u>40</u>	x	<u>\$80.00</u>	=	<u>\$3,200.00</u>
<u>2Review, edit, complete</u>	<u>8</u>	x	<u>\$80.00</u>	=	<u>\$ 640.00</u>
<u>3Assessment Report</u>		x		=	
<u>4</u>		x		=	
			Subtotal :		<u>\$3,840.00</u>

**Personnel Category**

Draftsperson

Description of work:	Hours		Rate/Hour	=	Subtotal
<u>1Prepare illustration, figures,</u>	<u>16</u>	x	<u>\$ 35.00</u>	=	<u>\$ 560.00</u>
<u>2graphs, x-sections, tables,</u>		x		=	
<u>3well construction forms, logs,</u>		x		=	
<u>4etc. for Assessment Report</u>		x		=	
			Subtotal :		<u>\$ 560.00</u>

**Personnel Category**

Clerical

Description of work:	Hours		Rate/Hour	=	Subtotal
<u>1Type draft Assessment Report</u>	<u>6</u>	x	<u>\$ 30.00</u>	=	<u>\$ 180.00</u>
<u>2Type final Assessment Report</u>	<u>3</u>	x	<u>\$ 30.00</u>	=	<u>\$ 90.00</u>
<u>3Copy, collate, bind and mail</u>	<u>2</u>	x	<u>\$ 30.00</u>	=	<u>\$ 60.00</u>
<u>4Assessment report</u>		x		=	
			Subtotal:		<u>\$ 330.00</u>

TOTAL PERSONNEL COST : \$ 4,730.00

**COST PROPOSAL  
SUPPLEMENTARY FORM "H"  
MISCELLANEOUS**

**Program Task: A R Preparation .**

Miscellaneous costs may include computer modeling, communications, soil disposal/treatment (for example, landfill and incineration) fees, and U.S. Postage (paper items).

Description of Item	Number of Units	Rate per Unit	Subtotal
<u>Assessment-Office</u>	<u>1</u>	<u>x \$ 100.00</u>	<u>= \$ 100.00</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>
_____	_____	<u>x _____</u>	<u>= _____</u>

**TOTAL MISCELLANEOUS COST: \$ 100.00**



**COST PROPOSAL  
SUPPLEMENTARY FORM "A"  
PERSONNEL**

Program Task: Small Volume Disposal

**Personnel Category**

Technician

Description of work:	Hours		Rate/Hour	Subtotal
<u>1 Load and transport 8 drums of</u>	<u>10</u>	<u>x</u>	<u>\$ 40.00</u>	<u>= \$ 400.00</u>
<u>2 contaminated soil and water</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>3 to disposal facility</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>4 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
			Subtotal:	<u>\$400.00</u>

**Personnel Category**

Description of work:	Hours		Rate/Hour	Subtotal
<u>1 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>2 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>3 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>4 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
			Subtotal :	_____

**Personnel Category**

Description of work:	Hours		Rate/Hour	Subtotal
<u>1 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>2 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>3 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
<u>4 _____</u>	_____	<u>x</u>	_____	<u>= _____</u>
			Subtotal :	_____

**TOTAL PERSONNEL COST : \$ 400.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "D"  
MILEAGE**

**Program Task: Small-Volume Disposal**

Please list rental vehicles on Supplementary Form "C".

Type of vehicle	Miles		Rate per mile		Subtotal
Pick-up	400	x	\$0.43	=	\$ 172.00
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	
		x		=	

**TOTAL MILEAGE COST : \$ 172.00**

**COST PROPOSAL  
SUPPLEMENTARY FORM "H"  
MISCELLANEOUS**

**Program Task: Small Volume Disposal**

Miscellaneous costs may include computer modeling, communications, soil disposal/treatment (for example, landfill and incineration) fees, and U.S. Postage (paper items).

Description of Item	Number of Units	Rate per Unit	Subtotal
<u>Disposal of 6-55 gallon</u>	_____	x _____	= _____
<u>drums of contaminated soil</u>	<u>6-Drums</u>	x <u>\$ 125.00</u>	= <u>\$ 750.00</u>
_____	_____	x _____	= _____
<u>Disposal of 2-55 gallon</u>	_____	x _____	= _____
<u>drums of contaminated water</u>	<u>2-Drums</u>	x <u>\$ 75.00</u>	= <u>\$ 150.00</u>
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
_____	_____	x _____	= _____
<b>TOTAL MISCELLANEOUS COST :</b>			<b><u>\$ 900.00</u></b>

# JACKSON OIL COMPANY, INC.

## DIVISIONS:

M. C. WILLIAMS OIL CO., HARTSVILLE, S.C.  
JIMMIE LONG OIL CO., BENNETTSVILLE, S.C.

JACKSON OIL CO., WADESBORO, N.C.  
WANNAMAKER OIL CO., CHERAW, S.C.  
CORNER CUPBOARD CONVENIENCE STORE GROUP

P. O. BOX 968  
CHERAW, SOUTH CAROLINA 29520  
TELEPHONE: 803-537-7080

RECEIVED

NOV 12 1992

Groundwater Protection  
Division

November 9, 1992

Read Miner  
Groundwater Section  
UST Division  
SCDHEC  
2600 Bull Street  
Columbia, S.C. 29201

Dear Mr. Miner.

This is to inform the department that Jackson Oil Company, Inc. has no pollution liability insurance at GWPD Site ID: # 02281. The same is true for GWPD Site ID #'s 02282, 02893, 02314, 11033, 02245, 02247, 02268, and 03508. Moreover, Jackson Oil Co., Inc. has no pollution liability coverage for any underground tanks.

Thanks for your call the other day. Sorry it took me 10 days to get this to you. Should you have any questions, please do not hesitate to call.

Sincerely,



Charles Jackson, Jr.

cc: Don Duncan



A

South Carolina  
**DHEC**  
Department of Health and Environmental Control  
2600 Bull Street, Columbia, SC 29201

Interim Commissioner: Thomas E. Brown, Jr.

Board: John H. Burriss, Chairman  
Richard E. Jabbour, DDS, Vice Chairman  
Robert J. Stripling, Jr. Secretary

William E. Applegate, III,  
Toney Graham, Jr., MD  
Sandra J. Molander  
John B. Pate, MD

Promoting Health, Protecting the Environment

November 19, 1992

Mr. Donald Duncan  
Duncan Environmental Associates, Inc.  
1750 Holly Hill Drive  
West Columbia, SC 29169

Re: Fast Fare #171  
GWPD Site ID #02314  
Invoice #02314.1  
Chesterfield County

Dear Mr. Duncan:

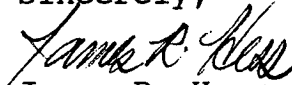
The S.C. Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced Invoice for payment of \$1242.50. This represents a \$17.50 adjustment (increase) due to a mathematical error.

A check will be processed and sent to DEA in about three to four weeks.

As a payee, you must retain all pertinent technical and financial documents related to this site in accordance with Section 44-2-130 of the SUPERB statute. A detailed review of the Expanded Assessment Plan will be conducted at a later date. If it is determined that the plan was not prepared in accordance with the existing Expanded Assessment Guidelines and/or is not technically justified, the SCDHEC may seek repayment.

Should you have questions on any of the above, please call Read Miner at (803) 734-5327.

Sincerely,



James R. Hess, P.G., Manager  
UST State Corrective Action Section  
Ground-Water Protection Division  
Bureau of Drinking Water Protection

JRH/rsm  
02314CNT.PAY

cc: F&DM Section

Mr. Charles Jackson, Jr.  
Jackson Oil Company, Inc.  
PO Box 968  
Cheraw, SC 29520



*Meier*

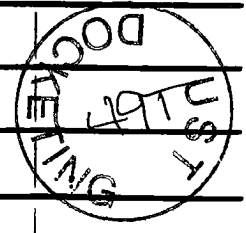
No.

**S. C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
DIRECT EXPENDITURE OR PERSONAL SERVICE VOUCHER**

GW 1030

2. Payee  Address	Duncan Environmental Associates, Inc.	3. Vendor No.	4. Cost Center Title  Ground-Water Protection
	1750 Holly Hill Dr.		
	<small>Street Address</small>		
	W. Cola, SC 29169		
	<small>City State Zip</small>		

5. Dates	6. Description	7. Amounts
11-24-92	Reimbursement through contractor payment of expenses incurred in remediation of release from underground storage tanks as provided under Section 44-2-130 SC Code of Laws (SUPERB Act).	1242.50
	Fast Fare #171	
	GWPD #02314	
	Chesterfield County	
	Fed Tax I.D. #57-0923556	
	8. Total	1242.50



9. It is hereby certified that the items represented in this voucher were authorized, received, inspected, and accepted, and this amount is approved for payment.  11-24-92 _____ <small>Date</small>	10. The above amounts are correct.  _____ <small>Signature</small>  _____ <small>Social Security Number</small>
--	---

**11. Account numbers and amounts to be charged.**

1-2	3-5	6-10	11	12-17	18-22	23-32	33-43	44	45-52	53-57	58
KF	T Code	Voucher No.		Document No.	Vendor No.	Invoice No.	Manual No.	Tax	Gross Amount	Discount	Net A
P				1							
2											

KF	T Code	Voucher No.	11	12-16	17-20	21-25	26-35	36-40	41-45	46-50
				Cost Center	Fund	Class	ANALYTICAL	AMOUNT		
P				4AE10	R040	52140	AE160	1242.50		
2										

# JACKSON OIL COMPANY, INC.

DIVISIONS:

M. C. WILLIAMS OIL CO., HARTSVILLE, S.C.  
JIMMIE LONG OIL CO., BENNETTSVILLE, S.C.

JACKSON OIL CO., WADESBORO, N.C.  
WANNAMAKER OIL CO., CHERAW, S.C.  
CORNER CUPBOARD CONVENIENCE STORE GROUP

P. O. BOX 968  
CHERAW, SOUTH CAROLINA 29520  
TELEPHONE: 803-537-7080

5.2.94

Kimberly A. Wilson  
UST FEDERAL CORRECTIVE ACTION SECTION  
GROUND-WATER PROTECTION DIVISION  
BUREAU OF DRINKING WATER PROTECTION  
SC DHEC  
2600 Bull ST.  
COLUMBIA, SC 29201



RECEIVED

MAY 5 1994

Groundwater Protection  
Division

DEAR Ms. Wilson -

PLEASE FIND enclosed a copy of the  
tightness test results on tanks & lines at  
BWPD SITE ID# 02314. WE REPAIRED A  
LEAK IN A VENT line AND CORRECTED THE  
problem. IF YOU HAVE ANY QUESTIONS - PLEASE  
CALL.

Sincerely -

Charles Jackson Jr



RECEIVED

MAY 5 1994

April 20, 1994

Groundwater Protection Division

MR. CHARLES JACKSON, JR.  
JACKSON OIL COMPANY  
P. O. BOX 968  
CHERAW, SC 29520

UST TEST RESULTS  
WINSOR MART  
CHERAW, SC

Dear Mr. Jackson,

This is a complete results package, concerning the USTs (underground storage tanks) that were tested at the location(s) listed above. We certify that these results are correct to the best of our ability. All manufactures protocol was followed, as well as Federal, State and local guidelines. If after review of these results you should have any questions, please feel free to call at (704) 588-2294. Thank you for the good business!

SIZE AND NO. OF UST'S TESTED:	2-	4,012	GAL NO LEAD TANK
	1-	4,012	GAL PLUS TANK
	0-		GAL PREMIUM TANK
	0-		GAL DIESEL TANK
	0-		GAL K-1 TANK

TYPE OF SYSTEM:	Submerged
OVER/UNDERFILL:	Over
MANIFOLD:	Yes

(continued)



**4,012 GALLON NO LEAD TANK**

SPECIFIC GRADE: .73  
TANK TEMPERATURE: 72.6  
TOTAL TEST TIME: 0:59 Hrs  
FINAL AVERAGE LEAK RATE: -.033 Gal Per Hour  
RATE OF TEMP. CHANGE: -0.0203 Deg F/hr  
RATE OF VOLUME CHANGE: -0.0037 Gal Per Hr.  
INITIAL TEST LEVEL: 24" above UST top  
TEST RESULT: **TANK AND SYSTEM PASS**

---

**4,012 GALLON NO LEAD TANK**

SPECIFIC GRADE: .73  
TANK TEMPERATURE: 75.1  
TOTAL TEST TIME: 0:59 Hrs  
FINAL AVERAGE LEAK RATE: -.033 Gal Per Hour  
RATE OF TEMP. CHANGE: -0.0030 Deg F/hr  
RATE OF VOLUME CHANGE: -0.0037 Gal Per Hr.  
INITIAL TEST LEVEL: 24" above UST top  
TEST RESULT: **TANK AND SYSTEM PASS**

**4,012 GALLON PLUS TANK**

SPECIFIC GRADE: .72  
TANK TEMPERATURE: 77.1  
TOTAL TEST TIME: 0:59 Hrs  
FINAL AVERAGE LEAK RATE: -.014 Gal Per Hour  
RATE OF TEMP. CHANGE: -0.0172 Deg F/hr  
RATE OF VOLUME CHANGE: -0.0006 Gal Per Hr.  
INITIAL TEST LEVEL: 23" above UST top  
TEST RESULT: **TANK AND SYSTEM PASS**

Leak Computer® - Quick Look Report (PAGE 1)      Leak Computer® - Quick Look Report (PAGE 2)

Test Number: A:94042023.A24

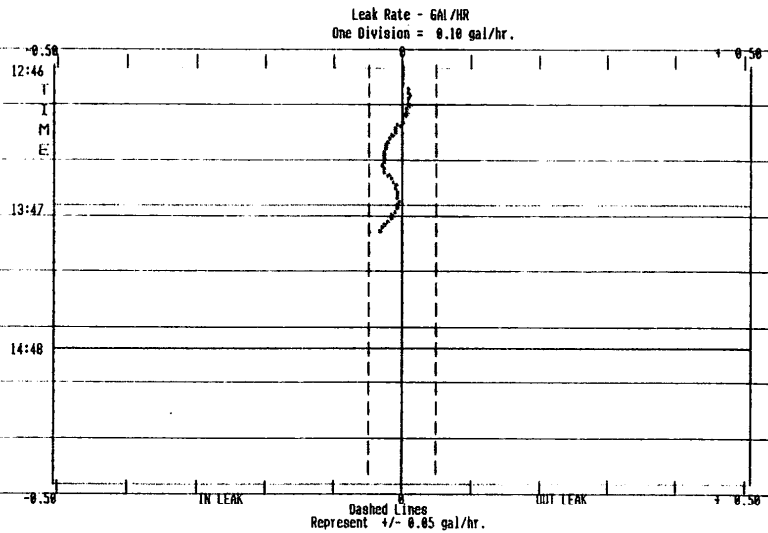
Test Number: A:94042023.A24

FOR: 4012 gallon NO LEAD Tank  
 LOCATION: WINSOR MART; JACKSON OIL COMPANY  
 DATE OF TEST: 04/20/94  
 LEAK COMPUTER S/N: 89082903

Test Level 24 Inches ABOVE Tank Top  
 Data from Channel A  
 Manifolding: 1-2  
 GDE: 0.000637    Spec. Gr.: 0.73    Tank Temp: 72.6  
 Leak Rate Average of 30 Cycles  
 Total Test Time: 0:59 hours

**TEST RESULTS**

Final Average Leak Rate: less than 0.05 gal/hr.  
 Rate of Temperature change: -0.0203 deg F/hr.  
 Rate of Volume change: -0.0037 gal/hr.  
 0.99 Error Band: +/- 0.03 gal/hr.  
 Tank and System: TIGHT @ 24 inches ABOVE Tank Top.



Test Technician:

STRICKLAND

~~Leak-Computer® Quick-Look Report (PAGE 1)~~      ~~Leak-Computer® Quick-Look Report (PAGE 2)~~

Test Number: A:94042024.B24

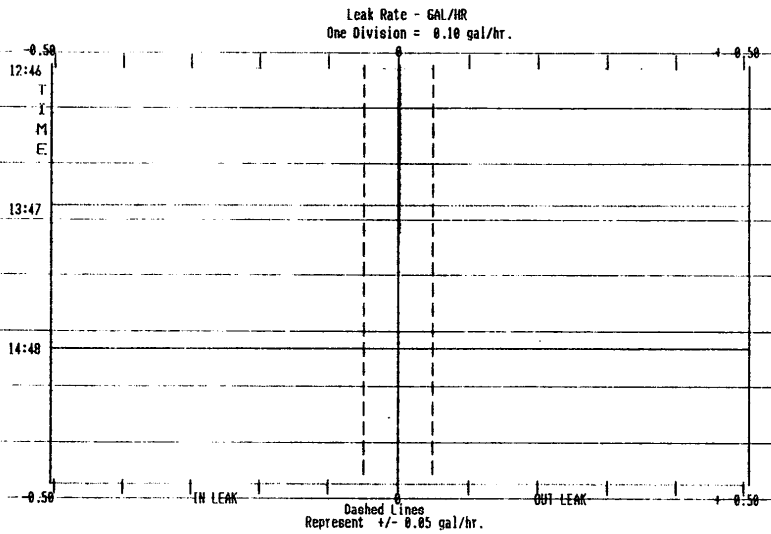
Test Number: A:94042024.B24

FOR: 4012 gallon NO LEAD Tank  
 LOCATION: WINSOR MART; JACKSON OIL COMPANY  
 DATE OF TEST: 04/20/94  
 LEAK COMPUTER S/N: 89082903

Test Level 24 Inches ABOVE Tank Top  
 Data from Channel 8  
 Manifolding: 1-2  
 COE: 0.000635      Spec. Gr.: 0.00      Tank Temp: 75.1  
 Leak Rate Average of 30 Cycles  
 Total Test Time: 0:59 hours

TEST RESULTS  
 Final Average Leak Rate: less than 0.05 gal/hr.  
 Rate of Temperature change: -0.0030 deg F/hr.  
 Rate of Volume change: 0.0000 gal/hr.  
 0.99 Error Band: +/- 0.00 gal/hr.  
 Tank and System: TIGHT @ 24 inches ABOVE Tank Top.

Test Technician: STRICKLAND



~~Leak Computer® Quick Look Report (PAGE 1)~~      ~~Leak Computer® Quick Look Report (PAGE 2)~~

Test Number: A:94042025.C23

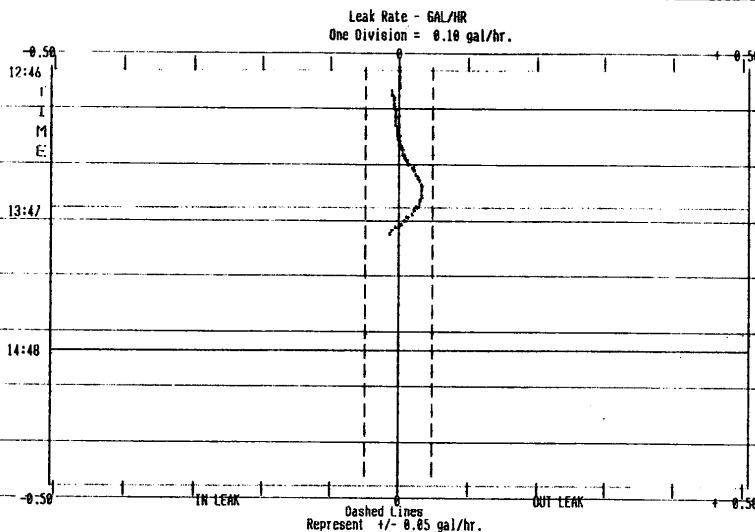
Test Number: A:94042025.C23

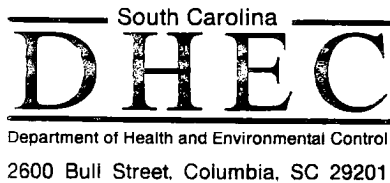
FOR: 4012 gallon PLUS Tank  
 LOCATION: WINSOR MARF; JACKSON OIL COMPANY  
 DATE OF TEST: 04/20/94  
 LEAK COMPUTER S/N: 89082903

Test Level 23 inches ABOVE Tank Top  
 Data from Channel C  
 Manifolding: 1-2  
 COE: 0.000434 Spec. Gr.: 0.72 Tank Temp: 77.1  
 Leak Rate Average of 30 Cycles  
 Total Test Time: 0:59 hours

**TEST RESULTS**  
 Final Average Leak Rate: less than 0.05 gal/hr.  
 Rate of Temperature change: -0.0172 deg F/hr.  
 Rate of Volume change: -0.0006 gal/hr.  
 0.99 Error Band: +/- 0.04 gal/hr.  
 Tank and System: TIGHT @ 23 inches ABOVE Tank Top.

Test Technician: STRICKLAND





**Commissioner:** Douglas E. Bryant

**Board:** Richard E. Jabbour, DDS, Chairman  
Robert J. Stripling, Jr., Vice Chairman  
Sandra J. Molander, Secretary

William E. Applegate, III,  
John H. Burriss  
Tony Graham, Jr., MD  
John B. Pate, MD

*Promoting Health. Protecting the Environment*

Mr. Charles Jackson, Jr.  
Jackson Oil Company  
Post Office Box 968  
Cheraw, South Carolina 29520

Re: Fast Fare #171  
**GWPD Site ID #02314**  
SUPERB Eligibility/Qualification  
Chesterfield County

Dear Mr. Jackson:

The Ground-Water Protection Division (GWPD) of the South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed the site file for SUPERB Eligibility/Qualification.

The file indicates that initial abatement of the source of contamination has not occurred. It is imperative that the cause of the release be identified and corrected in accordance with Section 280.62 of the South Carolina Underground Storage Tank Control Regulations (SCUSTCR). If the underground storage tank (UST) system is still in operation or still contains product, the immediate removal of the product from the UST system and/or immediate performance of a complete system test must be performed. Confirmation of product removal or current results of tightness tests which verify that all existing systems (i.e. USTs and associated lines) are not leaking, must be submitted in accordance with Sections 280.52 and 280.62 of the SCUSTCR. Supporting documentation for tank system removal/closure may also be submitted, if indeed, tank closure has occurred.

Please submit the requested information on or before **April 18, 1994**. If you have any questions concerning this correspondence, please contact Kimberly A. Wilson at (803) 734-0726.

Sincerely,

A handwritten signature in cursive script that reads "Kimberly A. Wilson".

Kimberly A. Wilson  
UST Federal Corrective Action Section  
Ground-Water Protection Division  
Bureau of Drinking Water Protection

KAW/2314info.req

Commissioner: Douglas E. Bryant

Board: John H. Burriss, Chairman  
William M. Hull, Jr., MD, Vice Chairman  
Roger Leaks, Jr., Secretary

Richard E. Jabbour, DDS  
Cyndi C. Mosteller  
Brian K. Smith  
Rodney L. Grandy

Promoting Health. Protecting the Environment

DEC 31 1996

Mr. Charles Jackson, Jr.  
Jackson Oil Company  
P.O. 'Box 968  
Cheraw, S.C. 29250

Re: Windsor Mart  
Site ID #02314; CP #02632  
Initial Ground Water Assessment Approval  
Chesterfield County

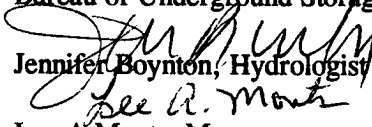
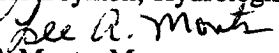
Dear Mr. Jackson:

The Bureau of Underground Storage Tank (UST) Management has reviewed the release at your site and understands that you plan to proceed with site rehabilitation activities.

An Initial Ground-Water Assessment (IGWA) is the next of scope work deemed necessary to characterize any possible risk to human health or to sensitive environmental receptors. Since the above scope of work is detailed in the IGWA Guidance Document, a separate plan is not required. Cost agreement has been approved in the amount of **\$1,100.00**. Monitoring Well approval has been provided to your environmental consultant. A copy of the approval form is enclosed for your records. Implementation of the IGWA may proceed upon receipt of this correspondence. All wells must be installed under the supervision of a well driller licensed in the State of South Carolina. All laboratories utilized must be certified within the state of South Carolina for the analysis used. The IGWA report and associated invoice should be submitted within **60 days from the date of this letter**.

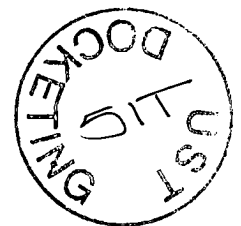
On all future correspondence, please reference the **Site ID #02314**. On the IGWA invoice please reference the site identification number and cost agreement number **02632**. Questions concerning the above should be addressed to Jennifer Boynton at (803) 734-4665.

Sincerely,  
Assessment and Corrective Action Division  
Owner/Operator Assistance Section  
Bureau of Underground Storage Tank Management

  
Jennifer Boynton, Hydrologist  
  
Lee A. Monts, Manager

enc: IGWA Invoice form  
Monitoring Well Approval (copy)

cc: Ms. Jan Reynolds, Duncan Environmental, 1674 Mallard Point Lane, Ridgeway, S.C. 29130 (w/enc)  
Financial Section  
Technical File



**DUNCAN ENVIRONMENTAL ASSOCIATES, INC.**

SLA

03327

April 25, 1997

08288

Ms. Jennifer Boynton  
Bureau of UST Management  
SCDHEC  
2600 Bull Street  
Columbia, SC 29201-1708

**RECEIVED**

APR 28 1997

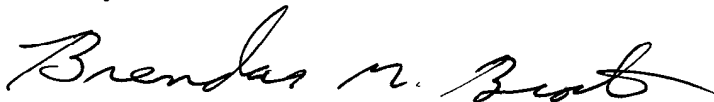
Bureau of Underground  
Storage Tank Management

Re: IGWA Reports  
Windsor Mart #02314

Dear Ms. Boynton:

Enclosed please find copies of the above referenced documents and the associated invoices. If you have any questions or comments concerning these reports, please don't hesitate to give me a call at (803)788-4333.

Sincerely,



Brendan M. Brodie  
Project Manager

cc: Mr. Charles Jackson, Jr.  
Jackson Oil Company

1674 Mallard Point Lane  
Ridgeway, SC 29130  
(803) 438-1619  
FAX (803)438-1609





# INITIAL GROUND-WATER ASSESSMENT REPORT

Facility Name: Windsor Mart

Site ID Number: 02314

Owner's Name: Jackson Oil Company

Address: P.O Box 968, Cheraw, S.C. 29250

Phone Number: (803) 537-7080

Contractor: Duncan Environmental Associates, Inc.

Address: 10817-C Two Notch Road Elgin, S.C. 29045

Phone Number: (803) 788-4333

## Receptor and Site Data

Please place a check in the appropriate answer block for each question:

Receptor Survey Questions	No	Yes *
Is there a drinking water supply well (public or private, please indicate) or surface water supply intake within 1000 feet of the UST?	X	
Are irrigation or other non-drinking water wells located within 1000 feet of the UST?	X	
Are there other potential receptors (i.e., utilities, surface waters, wetlands) less than 500 feet from the UST?	X	

\* If "yes" provide additional information:

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Is the current use of the site and surrounding properties commercial, residential, agricultural or industrial?

Commercial

**Initial Ground-Water Assessment Report**

Site ID # 02314

**Soil and Monitoring Well Data**

Primary Soil Type: Tan/red clayey sand

Well Installation Method and Date: Solid stem auger 3/19/97

Development Method: Developed with bailer

**Ground-Water Data**

Depth to Ground Water: 13.70 feet below land surface

Well Purging/Sampling Method: Removal of three well volumes and collect ground-water sample with bailer

Date Sampled: 3/19/97

Free Product Thickness: N/A

**GROUND-WATER ANALYTICAL DATA**

Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	Naphthalene (ug/l)
1530	8650	1350	12,730	ND

Benzo(a)-anthracene (ug/l)	Benzo(b)-fluoranthene (ug/l)	Benzo(k)-fluoranthene (ug/l)	Chrysene (ug/l)	Dibenz(a,h)-anthracene (ug/l)
ND	ND	ND	ND	ND

**Appendices**

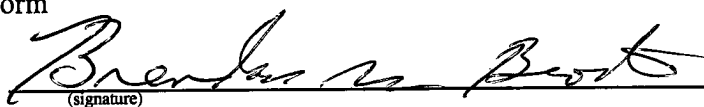
The appendices required for this report are as follows:

Appendix A. Well Construction Log

Appendix B. Laboratory Data

Appendix C. Site Base Map

Appendix D. Invoice Form

Report Completed By:   
(signature)

Date: 4-25-97

**1. LOCATION OF WELL:**  
 County: Chesterfield System Name: MW-1  
 Latitude: 34° 42' 25" Longitude: 79° 55' 10"  
 Distance and Direction from Road Intersections:  
See Attached  
 Street Address & City of Well Location:  
 Sketch Map:

**4. OWNER OF WELL:** Jackson Oil Co.  
 Address:  
 Telephone No.: 803-537-7080  
 Engineer: Duncan Envi. Assoc. Inc.  
 Address: 10817-C Two Notch Rd  
 Telephone No.: Elgin S.C. 29045 (803-4333)

**5. WELL DEPTH (completed)** 20 ft. **Date Started:** 3/17/97  
**Date Completed:** 3/19/97

**6.**  Mud Rotary  Jetted  Bored  Dug  
 Air Rotary  Driven  Cable tool  Other

**7. USE:**  
 Domestic  Public Supply-Permit No. \_\_\_\_\_  Industry  
 Irrigation  Air Conditioning  Commercial  
 Test Well  Monitor Well  \_\_\_\_\_

**8. CASING:**  Threaded  Welded  
 Diam.: 2" PVC  
 Type:  PVC  Galvanized  
 Steel  Other  
-10' in. to 0.0 ft. depth  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

Height Above/Below Surface: 0.0 ft.  
 Weight \_\_\_\_\_ lbs./ft.  
 Drive Shoe?  Yes  No

**2. CUTTING SAMPLES:**  Yes  No  
 Geophysical Logs:  Yes (please enclose)  No

**9. SCREEN:** SAM Diam.: 2"  
 Type: \_\_\_\_\_ Length: 10'  
 Slot/Gauge: .010  
 Set Between: -20' ft. and -10' ft. **NOTE: MULTIPLE SCREENS USE SECOND SHEET**  
 \_\_\_\_\_ ft. and \_\_\_\_\_ ft.

Formation Description	*Thickness of Stratum	Depth To Bottom of Stratum
<u>0.0 - 0.3 = Asphalt</u>		
<u>0.3 - 4.5 = fx, mx sand</u>		
<u>4.5 - 5.0 = Red Orange, clayey sand</u>		
<u>5.0 - 7.5 = Gray fx-mx</u>	" "	" "
<u>7.5 - 20' = Coarse, Tan/white sands</u>		

**10. TIC WATER LEVEL**  
13.70 ft. below land surface after 24 hours

**11. PING LEVEL Below Land Surface.**  
 \_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
 Pumping Test:  Yes (please enclose)  No  
 Yield: \_\_\_\_\_

**12. WATER QUALITY**  
 Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
 Please enclose lab results.

**13. ARTIFICIAL FILTER (gravel pack)**  Yes  No  
 Installed from -20 ft. to -8' ft.  
 Effective size 1.0 - 1.3 mm Uniformity Coefficient 1.7

**14. WELL GROUTED?**  Yes  No Bentonite Seal - 8' - 6'  
 Neat Cement  S: \_\_\_\_\_ ment  Concrete  Other   
 Depth: From -6 ft. to 0.0 ft.

**15. NEAREST SOURCE POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
 \_\_\_\_\_ Type well disinfected  Yes Type: \_\_\_\_\_  
 upon completion  No Amount: \_\_\_\_\_

**16. PUMP:** Date installed: \_\_\_\_\_ Not installed   
 Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
 TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

**17. WATER WELL CONTRACTOR'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.  
 Registered Business Name: Duncan Envi. Assoc. Date: 3/19/97  
 Address: 10817-C Elgin S.C. 29045  
 Signed: Paul Fuller Cert. No.: 908  
 Authorized Representative

**3. REMARKS:**  
 \* Indicate Water Bearing Zones  
 (Use a 2nd sheet if needed)

**DATE AND TIME SUMMARY**

**Company Name:** Duncan Environmental Assoc. Inc.

**Project:** WINDSOR MART

**HydroLogic Login Number:** L4481

<b>METHOD</b>	<b>COLLECTED</b>	<b>PREPARED</b>	<b>ANALYZED</b>
<b>SAMPLE NUMBER:</b> L4481-1	<b>CLIENT ID:</b> MW-1	<b>MATRIX:</b> Aqueous	
SW-846, 8020	03/19/97 14:00	03/25/97	03/25/97 18:05
EPA 625	03/19/97 14:00	03/25/97	03/27/97 22:16
EPA 625	03/19/97 14:00	03/25/97	03/28/97 00:32

Form 1 - Data Summary Report  
 Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-1  
 Project Number: WINDSOR MART  
 Sample ID: L4481-1  
 Site / Project ID: Not Reported  
 Run ID: R6649  
 Collection Date: 19-MAR-97  
 Received Date: 21-MAR-97  
 Report Date: 28-MAR-97

Analyte	CAS No.	Dil	Sample Conc.	Units	Qual	MDL	RL
EPA Method 625							
Preparation Date: 25-MAR-97							
Analysis Date: 28-MAR-97 00:32							
Workgroup Number: WG10314							
Acenaphthene	83-32-9	1	ND	ug/L	U	4.2	5
Acenaphthylene	208-96-8	1	ND	ug/L	U	3.5	5
Anthracene	120-12-7	1	ND	ug/L	U	2.6	5
Benz(a)anthracene	56-55-3	1	ND	ug/L	U	2.8	5
Benzo(b)fluoranthene	205-99-2	1	ND	ug/L	U	2.6	5
Benzo(k)fluoranthene	207-08-9	1	ND	ug/L	U	3.9	5
Benzo(a)pyrene	50-32-8	1	ND	ug/L	U	3.5	5
Benzo(g,h,i)perylene	191-24-2	1	ND	ug/L	U	3.1	5
Chrysene	218-01-9	1	ND	ug/L	U	4.2	5
Dibenzofuran	132-64-9	1	ND	ug/L	U	4	5
Dibenz(a,h)anthracene	53-70-3	1	ND	ug/L	U	3.4	5
Dibenz(a,j)acridine	224-42-0	1	ND	ug/L	U	5.3	25
Fluoranthene	206-44-0	1	ND	ug/L	U	4	5
Fluorene	86-73-7	1	ND	ug/L	U	3.3	5
Indeno(1,2,3-cd)pyrene	193-39-5	1	ND	ug/L	U	3.1	5
2-Methylnaphthalene	91-57-6	100	380	ug/L	J	280	500
Naphthalene	91-20-3	100	1400	ug/L		240	500
Phenanthrene	85-01-8	1	ND	ug/L	U	2.5	5
Pyrene	129-00-0	1	ND	ug/L	U	3.5	5
Nitrobenzene-d5	SURROGATE	1	36	%			
2-Fluorobiphenyl	SURROGATE	1	116	%			
p-Terphenyl-d14	SURROGATE	1	50	%			

Review By: Bob Cathel

Report Approved By: Karen Kuoppala

- Qual - U = Analyte Not Detected above the Method Detection Limit  
 - J = Estimated Concentration, B = Analyte Detected in the Blank  
 - E = Analyte Conc. is above the Method Calibration Range
- Dil - Sample Dilution Factor
- ND - Sample Concentration Not Detected above MDL
- MDL - Method Detection Limit
- RL - Method Reporting Limit

Form 1 - Data Summary Report  
 Prepared By: HydroLogic Laboratories, Inc.

Client ID: MW-1  
 Project Number: WINDSOR MART  
 Sample ID: L4481-1  
 Site / Project ID: Not Reported  
 Run ID: R6649  
 Collection Date: 19-MAR-97  
 Received Date: 21-MAR-97  
 Report Date: 28-MAR-97

Analyte	CAS No.	Dil	Sample Conc.	Units	Qual	MDL	RL
SW846 Methods 5030/8020							
Preparation Date: 25-MAR-97							
Analysis Date: 25-MAR-97 18:05							
Workgroup Number: WG10331							
Benzene	71-43-2	500	1530	ug/L		25	500
Ethylbenzene	100-41-4	500	1350	ug/L		40	500
Naphthalene	91-20-3	500	ND	ug/L	U	100	500
Toluene	108-88-3	500	8650	ug/L		110	500
(m,p)-Xylene	108-38-3	500	8900	ug/L		150	1000
o-Xylene	95-47-6	500	3830	ug/L		51	500
4-Bromofluorobenzene	SURROGATE	500	100	%			

Review By: Bob Cathel

Report Approved By: Karen Kuoppala

- Qual - U = Analyte Not Detected above the Method Detection Limit  
 - J = Estimated Concentration, B = Analyte Detected in the Blank  
 - E = Analyte Conc. is above the Method Calibration Range
- Dil - Sample Dilution Factor
- ND - Sample Concentration Not Detected above MDL
- MDL - Method Detection Limit
- RL - Method Reporting Limit

# HYDROLOGIC, INC.

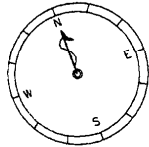
<input type="checkbox"/> 122 Lyman Street Asheville, NC 28801 (704)254-5169 FAX (704) 252-9711	<input type="checkbox"/> 410 New Salem Highway #106 Murfreesboro, TN 37129 (615) 848-6810 FAX (615) 848-6805	<input type="checkbox"/> 1491 Twilight Trail Frankfort, KY 40601 (502) 223-0251 FAX (502) 875-8016	<input type="checkbox"/> 2003 North Pine Street Lumberton, NC 28358 (910) 738-6190 FAX (910) 671-8837	<input type="checkbox"/> 1-85 S Bldg. 2848 Charlotte, NC 28208 (704) 392-1164 FAX (704) 392-9073	<input type="checkbox"/> 2500 Gateway Centre Morrisville, NC 27560 (919) 380-9699 FAX (919) 380-9717	<input type="checkbox"/> 4875 Riverside Drive Macon, GA 31210 (912) 757-0811 FAX (912) 757-0149	<input type="checkbox"/> 695 N Seventh Ave Brighton, CO. 80601 (303) 659-0497 FAX (303) 659-5064
---	---	---	--	---	---	--	---

Client: <i>Duncan Environmental</i>	Project No.: <i>Windsor Mast</i>	<p><b>REQUESTED PARAMETERS</b></p>	<p><b>LAB CODE I.D.</b></p> <p>A = Asheville, NC C = Charlotte, NC D = Denver, CO G = Macon, GA K = Frankfort, KY L = Lumberton, NC M = Morrisville, NC S = Subcontracted T = Murfreesboro, TN</p>
Report Address: <i>1677 Mallard Point Lane</i>	Invoice Address:		
Attn: <i>29130 Ted Falter</i>	Attn: <i>Same</i>		
Phone No.: <i>803 438 1619</i>	Sampled By: <i>BMB</i>		
Fax No.: <i>1609</i>	P.O. No:		
State Samples Collected			
<b>TURNAROUND TIME</b> <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days      Date Needed: _____			

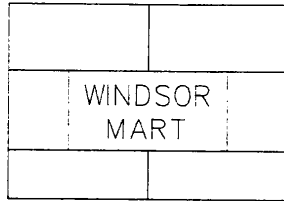
Sample ID	Date	Time	Comp/Grab	Matrix	Containers	Preserv.	REMARKS
<i>MW-1</i>	<i>3/19/97</i>	<i>2:00 PM</i>	<i>X</i>	<i>W</i>	<i>3</i>	<input checked="" type="checkbox"/>	
Lab Use Only      Custody Seal: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A						D      D	<i>Rec. oxig stub</i>

COMMENTS:

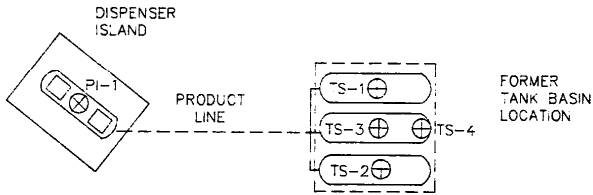
Relinquished By: <i>[Signature]</i>	Date: <i>3-20-97</i> Time: <i>10:30</i>	Received By: <i>[Signature]</i>	Date: <i>3-20-97</i> Time: <i>11:03</i>	Lab Use Only:
Relinquished By: <i>[Signature]</i>	Date: <i>3-20-97</i> Time: <i>4:00</i>	Received By:	Date:	
Relinquished By:	Date:	Received By:	Date:	
Relinquished By:	Date:	Received By: <i>[Signature]</i>	Date: <i>3-20-97</i> Time: <i>11:00</i>	



0 30  
SCALE: 1" = 30'



TITLE		
SITE FACILITY MAP		
DATE	PROJECT	CHECKED BY
4/18/97	WINDSOR MART S.C. HIGHWAY 9 & WINDSOR DR. CHERAW, S.C.	JR
SCALE	DUNCAN ENVIRONMENTAL ASSOCIATES, INC.	DRAWN BY
1" = 30'		TGF
GWPD#	803-788-4333 FAX=788-4555	FIGURE
02314		2



WINDSOR DRIVE

S.C. HIGHWAY 9





2600 Bull Street  
Columbia, SC 29201-1708

MAY 07 1997

Mr. Charles Jackson, Jr.  
Jackson Oil Company  
P.O. Box 968  
Cheraw, S.C. 29250

Re: Windsor Mart  
Site ID #02314; CP #03327  
Standard Limited Assessment Approval  
Chesterfield County

Dear Mr. Jackson:

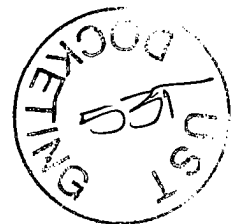
The Bureau of Underground Storage Tank Management has reviewed the Initial Ground Water Assessment Report submitted by Duncan Environmental. Rehabilitation activities at the site should be resumed immediately upon receipt of this letter.

A Standard Limited Assessment (SLA) is the next of scope work deemed necessary to characterize any possible risk to human health or to sensitive environmental receptors. Since the above scope of work is detailed in the SLA Guidance Document, a separate plan is not required. Cost agreement #03327 has been approved in the amount of **\$9,000.00**. Monitoring Well approval has been provided to your environmental consultant. A copy of the approval form is enclosed for your records. Implementation of the SLA may proceed upon receipt of this correspondence. All wells must be installed under the supervision of a well driller licensed in the State of South Carolina. All laboratories utilized must be certified within the state of South Carolina for the analysis used. The SLA report and associated invoice should be submitted within **60 days from the date of this letter**.

On all future correspondence, please reference the Site ID #02314. On the SLA invoice please reference the site identification number and cost agreement number 03327. Questions concerning the above should be addressed to Jennifer Boynton at (803) 734-4665.

Sincerely,  
Assessment and Corrective Action Division  
Owner/Operator Assistance Section  
Bureau of Underground Storage Tank Management

Jennifer Boynton, Hydrologist  
*Lee A. Monts*  
Lee A. Monts, Manager



enc: SLA Guidance Document w/SLA Invoice form  
Monitoring Well Approval (copy)

cc: Ms. Jan Reynolds, Duncan Environmental, 1674 Mallard Point Lane, Ridgeway, S.C. 29130 (w/enc MWA)  
Financial Section  
Technical File



2600 Bull Street  
Columbia, SC 29201-1708

## Monitoring Well Installation Approval Form

MAY 07 1997

Date of Issue: 04/29/97  
Approval No: 8288

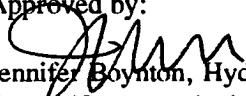
Approval is hereby granted to: Duncan  
Site ID 02314; Windsor Mart  
County: Chesterfield

This approval is for three Type II monitoring wells constructed in accordance with the South Carolina Well Standards and Regulations (R.61-71). The wells' intended purpose is for monitoring ground-water quality and/or water level(s) at the referenced facility. Approval is provided with the following conditions:

1. The latitude and longitude, surveyed elevations, boring and/or geologist logs and actual (as built) construction details for each well be submitted with the report.
2. Well construction and sampling derived waste including, but not necessarily limited to, drill cuttings, drilling fluids, development and purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regard to contents, source, and date of activity.
3. A minimum of forty-eight (48) hours prior to initiation of drilling activities, please provide notice to Jennifer Boynton, Central Office, at (803-734-4665).
4. Please provide water level data and associated measurements (i.e., in-situ field measurements) with the required well logs.
5. Monitoring wells shall be installed by a well driller certified by the State of South Carolina.
6. Each well shall be labeled with an identification plate constructed of a durable material affixed to the casing or surface pad where it is readily visible. The plate shall provide monitoring well I.D.#, date of construction, static water level, and driller name and state certification #.

This approval is pursuant to the provisions of Section 4-5540 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Regulations R.61-71.

Approved by:

  
Jennifer Boynton, Hydrologist  
Owner/Operator Assistance Section  
Assessment and Corrective Action Division  
Bureau of Underground Storage Tank Management

cc: Pee Dee District EQC

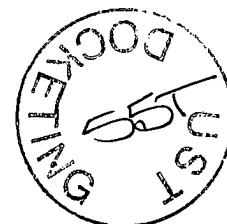


JUL 28 1997

2600 Bull Street  
Columbia, SC 29201-1708

Mr. Charles Jackson Jr.  
Jackson Oil Company  
Post Office Box 968  
Cheraw, SC 29250

Re: Windsor Mart  
Site ID: # 02314  
Standard Limited Assessment Report received July 17, 1997  
Chesterfield County



Dear Mr. Jackson:

The Bureau of Underground Storage Tank Management of the South Carolina Department of Health and Environmental Control has reviewed the referenced assessment report by Duncan Environmental Associates, Inc.

A receptor survey and installation of three monitoring wells were conducted as part of the Standard Limited Assessment. The results of the ground-water quality analysis indicate the concentrations of benzene, toluene, ethylbenzene, xylene, MTBE, and naphthalene were above allowable risk based screening levels (RBSL).

All releases from regulated underground storage tanks that have been reported to this Department have been prioritized using a ranking system that evaluates the risk to human health and the environment. The priority classification system identifies those sites that represent an immediate or short term risk to human health where the Department should be allocating available SUPERB monies. Based on the available data, your site's priority classification is 3BF 98 and does not pose an immediate or short term risk to human health. Therefore, SUPERB funds cannot be made available for additional site investigative activities at this time. You will be informed when SUPERB funds become available for this site.

Future necessary actions include the completion of a Rapid Assessment to characterize any possible risk to human health or to sensitive environmental receptors.


Should you wish to proceed with site rehabilitation activities, you can seek reimbursement for approved activities when, and if, funds become available. The enclosed contract outlines the conditions upon which reimbursement can occur. A signed contract must be submitted in order to seek potential reimbursement. Please notify the Department of your intent within 14 days from the date of this letter.

Mr. Jackson  
Page 2

On all correspondence related to this site, please reference the site identification number 02314, please address questions to Jennifer Boynton at (803) 734-4665.

Sincerely,

Owner/Operator Assistance Section  
Assessment and Corrective Action Division  
Bureau of Underground Storage Tank Management



Charles J. Williams III, Hydrogeologist



Lee A. Monts, Manager

enc: Contract

cc: Jan Reynolds, P.G., Duncan Environmental Associates, Inc.  
Technical File



Healthy People. Healthy Communities.

JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

MAY 07 2020



Re: **Site-Specific Work Plan Request for Groundwater Sampling**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy, Cheraw, SC  
UST Permit #02314  
Release reported December 6, 1991  
Monitoring Report received January 24, 2019  
Chesterfield County

To Whom it May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels.

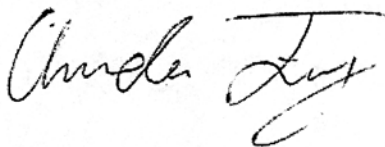
To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and in compliance with all applicable regulations. A copy of the UST QAPP is available at [SCDHEC.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance](http://SCDHEC.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance).

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. All wells should be purged prior to sampling.

**Your contractor must complete the SSWP and submit it within 30 days from the date of this letter.** Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference UST Permit #02314. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-2446, by fax at (803) 898-0673, or by e-mail at feltzal@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Amanda Feltz". The signature is written in a cursive, flowing style.

Amanda Feltz, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

cc: Terry Environmental Services Inc., P.O. Box 25, Summerville, SC 29484  
Technical file

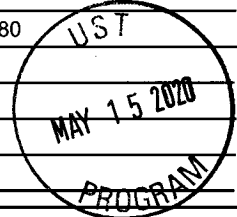


Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division



To: Amanda Feltz (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number: UCC-0223

Facility Name: Maruti Kundal (Former Windsor Mart) UST Permit #: 02314
Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520
Responsible Party: Jackson Oil Company, Inc. Phone: 843-537-7080
RP Address: 755 South 4th Street, Hartsville, SC 29550
Property Owner (if different): n/a
Property Owner Address: n/a
Current Use of Property: Gas Station and Convenience Store (Corner Cupboard)



Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, GAC, Other

Analyses (Please check all that apply)

Groundwater/Surface Water:

- BTEXNMDCA (8260B), Oxygenates (8260B), EDB (8011), PAH (8270D), Lead, 8 RCRA Metals, TPH, pH, BOD, Nitrate, Sulfate, Other, Methane, Ethanol, Dissolved Iron

Drinking Water Supply Wells:

- BTEXNMDCA (524.2), Oxygenates & Ethanol (8260B), Mercury (200.8 245.1 or 245.2), RCRA Metals (200.8), EDB (504.1)

Soil:

- BTEXNM, PAH, Lead, Oil & Grease (9071), RCRA Metals, TPH-DRO (3550B/8015B), TPH-GRO (5030B/8015B), Grain Size, TOC

Air:

- BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

Soil: --, Water Supply Wells: 1, Air: --, Field Blank: 3
Monitoring Wells: 35, Surface Water: 2, Duplicate: 3, Trip Blank: 3

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage: -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: -- Estimated Footage: -- feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: --

UST Permit #: 02314 Facility Name: Maruti Kundal (Former Windsor Mart)

**Implementation Schedule** (Number of calendar days from approval)

Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days  
Report Submittal: 60 days # of Copies Provided to Property Owners: n/a

**Aquifer Characterization**

Pump Test:  Slug Test:  (Check one and provide explanation below for choice)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Investigation Derived Waste Disposal**

Soil: -- Tons Purge Water: 110 Gallons  
Drilling Fluids: -- Gallons Free-Phase Product: -- Gallons

**Additional Details For This Scope of Work**

For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

Conduct a comprehensive groundwater sampling event; shallow monitoring wells MW-1, MW-2R, MW-3 through MW-27, recovery wells RW-1 through RW-5, deep wells DW-1 through DW-3, and water supply well (WSW-1) will be sampled. The two drainage features (SW-1 and SW-2) approximately 800 to 1,000 feet to the east and west of the subject site will also be sampled. The monitoring wells were last sampled in December 2018 and per SCDHEC request will be purged prior to sampling.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Compliance With Annual Contractor Quality Assurance Plan (ACQAP)**

Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.

Name of Laboratory: \_\_\_\_\_  
SCDHEC Certification Number: \_\_\_\_\_  
Name of Laboratory Director: \_\_\_\_\_

\_\_\_\_ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: \_\_\_\_\_  
SCLLR Certification Number: \_\_\_\_\_

\_\_\_\_ Other variations from ACQAP. Please describe below.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attachments**

1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:  
North Arrow Proposed monitoring well locations  
Location of property lines Legend with facility name and address, UST permit number, and bar scale  
Location of buildings Streets or highways (indicate names and numbers)  
Previous soil sampling locations Location of all present and former ASTs and USTs  
Previous monitoring well locations Location of all potential receptors  
Proposed soil boring locations
3. Assessment Component Cost Agreement, SCDHEC Form D-3664





**ASSESSMENT COMPONENT INVOICE**

**SOUTH CAROLINA**

Department of Health and Environmental Control  
 Underground Storage Tank Management Division  
 State Underground Petroleum Environmental Response Bank Account

January 1, 2020

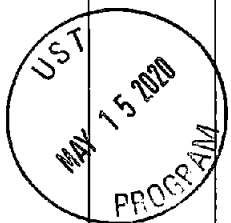
**Facility Name:** Maruti Kundal (Former Windsor Mart)

**UST Permit #:** 02314

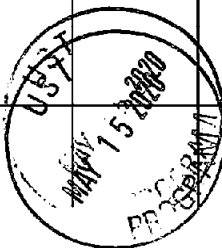
**Cost Agreement #:**

**Proposal**

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>A. Plan Preparation</b>				
1. Site-specific Work Plan	1	each	\$160.05	\$160.05
2. Tax Map		each	\$74.69	\$0.00
3. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
<b>B. Receptor Survey *</b>				
		each	\$587.92	\$0.00
<b>C. Survey (500 ft x 500 ft)</b>				
1. Comprehensive Survey		each	\$1,109.68	\$0.00
Subsurface Geophysical Survey				
2. < 10 meters below grade		each	\$1,387.10	\$0.00
3. > 10 meters below grade		each	\$2,464.77	\$0.00
4. Geophysical UST or Drum Survey		each	\$970.97	\$0.00
<b>D. Mob/Demob</b>				
1. Equipment		each	\$1,088.34	\$0.00
2. Personnel (Jx2, Q)	3	each	\$451.34	\$1,354.02
3. Adverse Terrain Vehicle		each	\$533.50	\$0.00
<b>E.. Soil Borings (hand auger)*</b>				
		foot	\$5.34	\$0.00
<b>F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including water ssample, soil sample, soil gas sample, etc.)*</b>				
1. Standard		per foot	\$16.01	\$0.00
2. Fractured Rock		per foot	\$21.55	\$0.00
<b>G. Soil Leachability Model</b>				
		each	\$64.02	\$0.00
<b>H. Abandonment (per foot)*</b>				
1. 2" diameter or less		per foot	\$3.31	\$0.00
2. Greater than 2" to 6" diameter		per foot	\$4.80	\$0.00
3. Dug/Bored well (up to 6 feet diameter)		per foot	\$16.00	\$0.00
<b>I. Well Installation (per foot)*</b>				
1. Water Table (hand augered)		per foot	\$11.31	\$0.00
2. Water Table (drill rig) 2" Diameter		per foot	\$40.55	\$0.00
3. Telescoping		per foot	\$53.35	\$0.00
4. Rock Drilling		per foot	\$61.89	\$0.00
5. 2" Rock Coring		per foot	\$32.97	\$0.00
6. Rock Multi-sampling ports/screens		per foot	\$35.64	\$0.00
7. Recovery Well (4" diameter)		per foot	\$48.02	\$0.00
8. Pushed Pre-packed screen (1.25" dia)		per foot	\$16.01	\$0.00
9. Rotasonic (2" diameter)		per foot	\$46.95	\$0.00
10. Re-develop Existing Well		per foot	\$11.74	\$0.00
<b>J. Groundwater Sample Collection / Gauge Depth to Water or Product *</b>				
1. Groundwater Purge	35	per well	\$64.02	\$2,240.70
2. Air or Vapors		sample	\$12.80	\$0.00
3. Water Supply Sample (1) or Duplicate (1)	2	sample	\$23.47	\$46.94
4. Groundwater NP (1), SW (2), Dup (2), or Grab	4	sample	\$29.88	\$119.52
5. Gauge Well only		sample	\$7.47	\$0.00
6. Sample Below Product		sample	\$12.80	\$0.00
7. Passive Diffusion Bag		sample	\$27.74	\$0.00
8. Field Blank	3	sample	\$26.25	\$78.75
9. Groundwater (low flow purge)		sample	\$97.10	\$0.00
10. Equipment Blank		sample	\$26.25	\$0.00



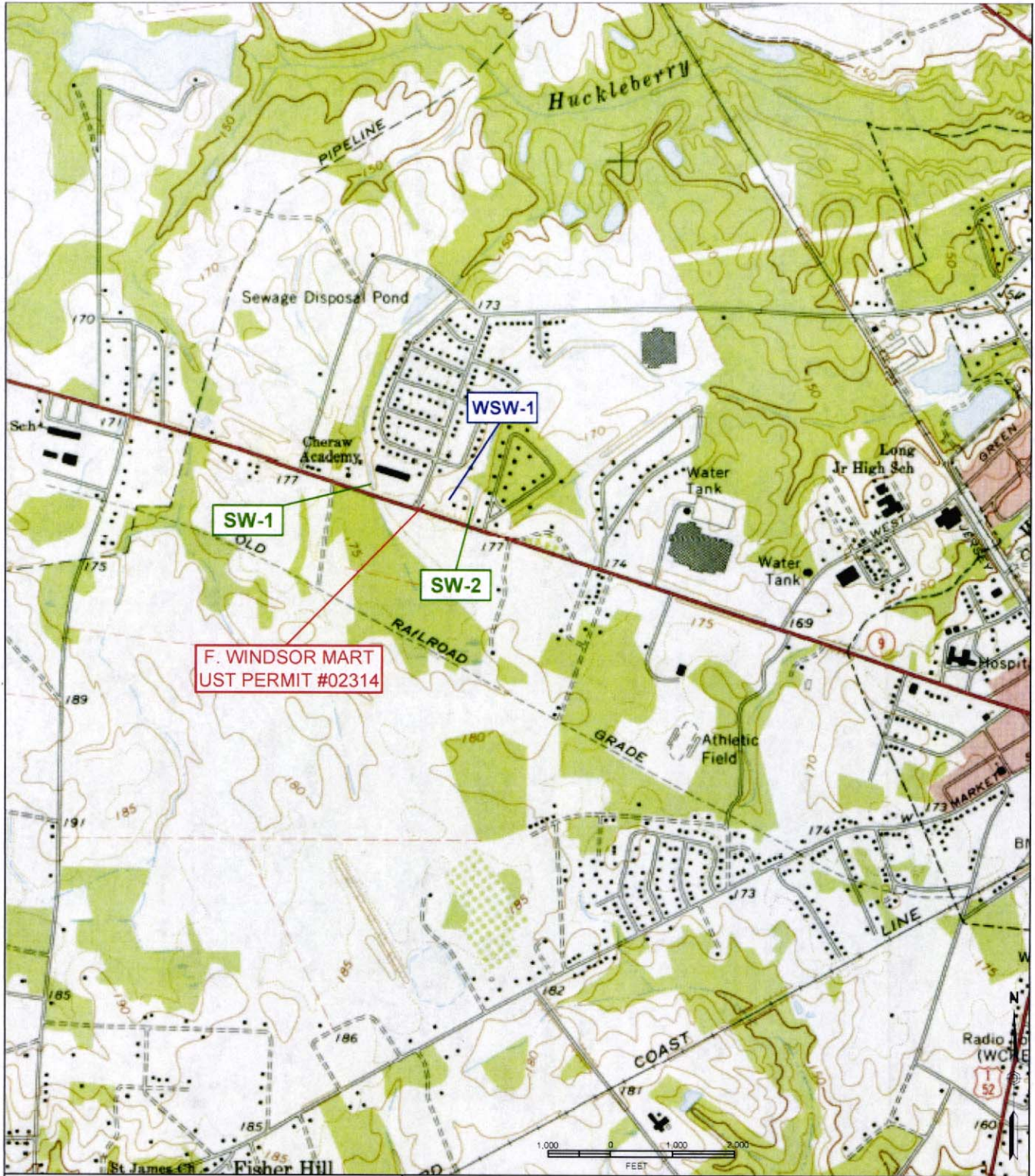
<b>K. Laboratory Analyses-Groundwater</b>					
1. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	43	per sample	\$130.17		\$5,597.31
2. Lead, Filtered		per sample	\$14.72		\$0.00
3. Rush EPA Method 8260B		per sample	\$163.89		\$0.00
4. Trimethal, Butyl. and Isopropyl Benzenes		per sample	\$29.88		\$0.00
5. PAH's		per sample	\$64.66		\$0.00
6. Lead		per sample	\$17.07		\$0.00
7. EDB by EPA 8011	41	per sample	\$48.23		\$1,977.43
8. EDB by EPA Method 8011 Rush		per sample	\$72.77		\$0.00
9. 8 RCRA Metals		per sample	\$67.65		\$0.00
10. TPH (9070)		per sample	\$43.75		\$0.00
11. PH		per sample	\$5.55		\$0.00
12. BOD		per sample	\$21.34		\$0.00
13. Ethanol		per sample	\$15.79		\$0.00
<b>K. Analyses-Drinking Water</b>					
14. BTEXNM+1,2 DCA (524.2)	4	per sample	\$132.36		\$529.44
15. 7-OXYGENATES & ETHANOL (8260B)	4	per sample	\$97.90		\$391.60
16. EDB (504.1)	3	per sample	\$84.83		\$254.49
17. RCRA METALS (200.8)		per sample	\$106.70		\$0.00
<b>K. Analyses-Soil</b>					
18. BTEX + Naphth.		per sample	\$68.29		\$0.00
19. PAH's		per sample	\$68.33		\$0.00
20. 8 RCRA Metals		per sample	\$60.18		\$0.00
21. TPH-DRO (3550C/8015C)		per sample	\$42.68		\$0.00
22. TPH- GRO (5035B/8015C)		per sample	\$38.37		\$0.00
23. Grain size/hydrometer		per sample	\$110.97		\$0.00
24. Total Organic Carbon		per sample	\$32.65		\$0.00
<b>K. Analyses-Air</b>					
25. BTEX + Naphthalene		per sample	\$230.47		\$0.00
<b>K. Analyses-Free Phase Product</b>					
26. Hydrocarbon Fuel Identification		per sample	\$380.92		\$0.00
<b>L. Aquifer Characterization*</b>					
1. Pumping Test		per hour	\$24.54		\$0.00
2. Slug Test		per test	\$203.80		\$0.00
3. Fractured Rock		per test	\$106.70		\$0.00
<b>M. Free Product Recovery Rate Test*</b>					
		each	\$40.55		\$0.00
<b>N. Fate/Transport Modeling</b>					
1. Mathematical Model		each	\$106.70		\$0.00
2. Computer Model		each	\$106.70		\$0.00
<b>O. Risk Evaluation</b>					
1. Tier I Risk Evaluation		each	\$320.10		\$0.00
2. Tier II Risk Evaluation		each	\$106.70		\$0.00
<b>P. Subsequent Survey*</b>					
		each	\$260.00		\$0.00
<b>Q. Disposal (gallons or tons)*</b>					
1. Wastewater	110	gallon	\$0.60		\$66.00
2. Free Product		gallon	\$0.53		\$0.00
3. Soil Treatment/Disposal		ton	\$64.02		\$0.00
4. Drilling fluids		gallon	\$0.45		\$0.00
<b>R. Miscellaneous (attach receipts)</b>					
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
<b>T. Tier I Assessment (Use DHEC 3665 form)</b>					
1. Southeast Region		standard	\$11,026.00		\$0.00
2. All Other Counties		standard	\$12,093.00		\$0.00



<b>U. IGWA (Use DHEC 3666 form)</b>					
1. Southeast Region		standard	\$3,803.00		\$0.00
2. All Other Counties		standard	\$4,123.00		\$0.00
<b>22. Corrective Action (Use DHEC 3667 form)</b>					\$0.00
<b>W. Aggressive Fluid &amp; Vapor Recovery (AFVR)</b>					
1. 8-hour Event*		per event	\$1,467.13		\$0.00
2. 24-hour Event*		per event	\$4,081.28		\$0.00
3. 48-hour Event*		per event	\$6,706.10		\$0.00
4. 96-hour Event*		per event	\$13,409.52		\$0.00
5. Off-gas Treatment 8 hour		per event	\$130.71		\$0.00
6. Off-gas Treatment 24 hour		per event	\$257.68		\$0.00
7. Off-gas Treatment 48 hour		per event	\$348.91		\$0.00
8. Off-gas Treatment 96 hour		per event	\$832.26		\$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	\$430.00		\$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	\$500.00		\$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	\$1,000.00		\$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	\$2,000.00		\$0.00
13. AFVR Effluent Disposal(w/chlorinated compounds)		gallon	\$0.50		\$0.00
14. AFVR Site Reconnaissance		each	\$216.87		\$0.00
15. Additional Hook-ups		each	\$27.48		\$0.00
16. AFVR Effluent Disposal		gallon	\$0.47		\$0.00
17. AFVR Mobilization/Demobilization		each	\$417.73		\$0.00
<b>X. Granulated Activated Carbon (GAC) filter system installation &amp; service:</b>					
1. New GAC System Installation*		each	\$2,027.30		\$0.00
2. Refurbished GAC Sys. Install*		each	\$960.30		\$0.00
3. Filter replacement/removal*		each	\$373.45		\$0.00
4. GAC System removal, cleaning, & refurbishment*		each	\$293.43		\$0.00
5. GAC System housing*		each	\$266.75		\$0.00
6. In-line particulate filter		each	\$160.05		\$0.00
7. Additional piping & fittings		foot	\$1.60		\$0.00
<b>Y. Well Repair</b>					
1. Additional Copies of the Report Delivered		each	\$53.35		\$0.00
2. Repair 2x2 MW pad*		each	\$53.35		\$0.00
3. Repair 4x4 MW pad*		each	\$93.90		\$0.00
4. Replace well vault*		each	\$125.91		\$0.00
5. Replace well cover bolts		each	\$2.77		\$0.00
6. Replace locking well cap & lock		each	\$16.00		\$0.00
7. Replace/Repair stick-up*		each	\$142.98		\$0.00
8. Convert Flush-mount to Stick-up*		each	\$160.05		\$0.00
9. Convert Stick-up to Flush-mount*		each	\$138.71		\$0.00
10. Replace missing/illegible well ID plate		each	\$12.80		\$0.00
<b>S. Report Prep &amp; Project Management</b>		12%	percent	\$12,816.25	\$1,537.95
<b>TOTAL</b>					\$14,354.20

DHEC D-4073 (1-2020) \*The appropriate mobilization cost can be added to complete these tasks, as necessary





**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kunal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



*... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!*

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax (843)-873-8765

SIZE  
B

TERRY Project No.  
2171.9L

DWG NO.

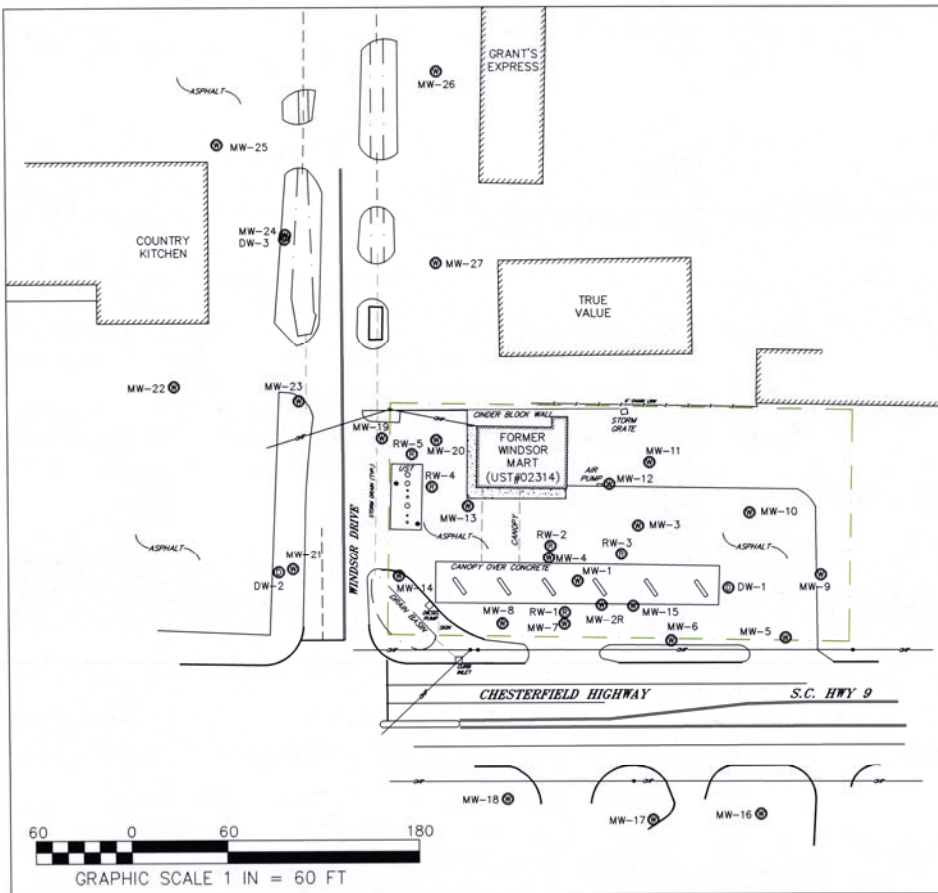
Figure 1 Topo Map

REV

SCALE: As Shown

DATE: May 2020





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- /////// BUILDING

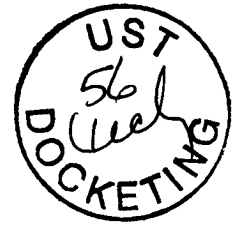
All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9L	02314
SCALE	DATE
1" = 60'	May 2020



JUN 16 2020

JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Site-Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy, Cheraw, SC  
UST Permit #02314; CA #61801  
Release #1 reported December 6, 1991  
Site Specific Work Plan received May 15, 2020  
Chesterfield County

To Whom it May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. All work should be conducted in compliance with the most recent revision of the UST QAPP, your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. A copy of the current revision of the UST QAPP is available at <https://www.scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance>.

The groundwater sampling event should begin immediately upon receipt of this letter. The Cost Agreement number shown above has been approved for the amount shown on the enclosed cost agreement form.

**The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.**

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit #02314. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by e-mail at feltzal@dhec.sc.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Amanda Feltz".

Amanda Feltz, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services Inc., P.O. Box 25, Summerville, SC 29484 (w/enc)  
Technical file (w/enc)

# Approved Cost Agreement

61801

Facility: 02314 MARUTI KUNDAL DBA COUNTRY CUPBOARD 7

FELTZAL

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1 SITE SPECIFIC WORK PLAN	1.0000	\$160.050	160.05
D MOB/DEMOB					
		2 PERSONNEL	3.0000	\$451.340	1,354.02
J SAMPLE COLLECTION					
		1 GROUND WATER PURGE	35.0000	\$64.020	2,240.70
		3 WATER SUPPLY SAMPLE/ DUPLICATE	2.0000	\$23.470	46.94
		4 GROUNDWATER NO-PURGE/DUPL/GRAB	4.0000	\$29.880	119.52
		8 FIELD BLANK	3.0000	\$26.250	78.75
K ANALYSES					
	DW DRINKING WATER	14 BTEXNM+1,2 DCA (524.2) WSW	4.0000	\$132.360	529.44
		15 OXYGENATES & ETHANOL 8260B WSW	4.0000	\$97.900	391.60
		16 EDB (504.1) WSW	3.0000	\$84.830	254.49
	GW GROUNDWATER	1 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	43.0000	\$130.170	5,597.31
		7 EDB BY EPA 8011	41.0000	\$48.230	1,977.43
Q DISPOSAL					
		1 WASTEWATER	110.0000	\$0.600	66.00
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$12,816.250	1,537.95
<b>Total Amount</b>					<b>14,354.20</b>



# Document Receipt Information

Hard Copy

CD

Email

Date Received 7-31-20

Permit Number 02314

Project Manager Amanda Feltz

Name of Contractor TES

UST Certification Number \_\_\_\_\_

Docket Number 5762

Scanned \_\_\_\_\_

GWA

**GROUNDWATER MONITORING REPORT  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
CA #61801**

Prepared For:

**SCDHEC UNDERGROUND STORAGE TANK PROGRAM  
2600 BULL ST.  
COLUMBIA, SC 29201**

Submitted By:



P.O. BOX 25  
SUMMERVILLE, SOUTH CAROLINA 29484  
(843) 873-8200  
Fax (843) 225-3472  
[www.terryenvironmental.com](http://www.terryenvironmental.com)

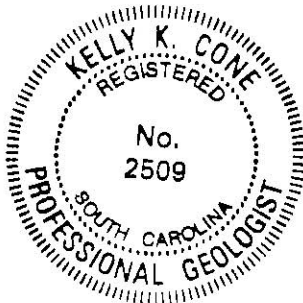
UST CONTRACTOR #UCC-0223  
TERRY PROJECT #2171.9L

Handwritten signature of Kelly K. Cone in black ink.

Kelly K. Cone, PG  
Vice President

Handwritten signature of Jason A. Terry in blue ink.

Jason A. Terry, PG  
President



JULY 2020

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**A. INTRODUCTION**
**1. UST Facility and Owner/Operator Information**

Facility Name (Permit #): Maruti Kundal (Former Windsor Mart) (02314)  
 Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520  
 Facility Telephone: 843-537-9096  
  
 Owner/ Operator Name: Jackson Oil Company (Contact: Charles Jackson)  
 Owner/ Operator Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Owner/ Operator Telephone: 843-537-7080

**2. Property Owner Information**

Name: Jackson Oil Company (Contact: Charles Jackson)  
 Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Telephone: 843-537-7080

**3. Contractor Information**

Name: Terry Environmental Services, Inc.  
 Address: P.O. Box 25, Summerville, South Carolina 29484  
 Telephone: 843-873-8200  
 Certification: UCC-0223

**4. Well Driller Information**

Not Applicable

**5. Laboratory Information**

Name: Pace Analytical Services, LLC (former Shealy)  
 Address: 106 Vantage Point Drive, Columbia, SC 29172  
 Telephone: 803-791-9700  
 Certification: 32010001

**6. Site History**

Date Release Reported to SCDHEC: December 6, 1991  
 Estimated Quantity of Product Released: Unknown  
 Cause of Release: Unknown  
 Current use of Facility: Gas Station and Convenience Store (Windsor Mart)

UST #	Product	Date Installed	Currently in Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
2 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
3 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
4 (20,000 gal)	Multiple Petroleum	Unknown	Yes	--



Other Releases at this site?	Yes _____	No <b>XXXX</b>
If yes, Date Release Reported to SCDHEC	n/a	
<b>Status of Release:</b>	n/a	
No Further Action Date:	n/a	

## 7. Regional Geology and Hydrogeology

The Maruti Kundal (former Windsor Mart) site is located in Cheraw, South Carolina which lies in the northeastern portion of the Coastal Plain Province of South Carolina. This province was deposited during a series of transgressive and regressive eustatic sea level changes. The Coastal Plain is comprised of an area of erosional topography near the Fall Line which is considered the Inner Coastal plain and an area of constructional topography that extends seaward which is considered the Outer Coastal Plain. Cheraw is located in the Inner Coastal Plain where the sediments can be highly weathered and therefore causing stratigraphy and aerial distribution to be poorly understood. The Middendorf Formation outcrops in the Inner Coastal Plain and consists of intercalated, lensing, thick bedded, light-colored sands, and clays (mudstones). (The Geology of the Carolinas, Horton & Zullo, 1991)

The site is located below the Fall Line in the Coastal Plain Province. This area consists of sand and clay beds of the Middendorf Formation. Near the southern border of Chesterfield County, the sand aquifers of the Middendorf occur to depths as great as 450 feet. Wells located in these aquifers yield as much as 900 gallons per minute (gpm) with the potential for yields up to 2,000-3,000 gpm. The chemical quality of the water is similar to rainwater with extremely low dissolved solids and low pH. (SCDNR Water Resources Report 36: Groundwater Resources of Chesterfield County, South Carolina, 2004)

## **B. RECEPTOR SURVEY & SITE DATA**

### **1. Receptor Survey Results**

A receptor survey was not conducted during this scope of work. A water supply well (WSW-1) was previously observed on the adjacent residential property to the east (802 Chesterfield Highway). The owner stated it was installed in the last few years for irrigation. Based on the USGS topographic map there are two drainage features located approximately 800 to 1,000 feet to the east and west of the subject site (SW-1 and SW-2).

### **2. Current Site and Adjacent Land Use**

Description of current site use (commercial, residential, rural, etc.):

Commercial; Convenience Store

Description of adjacent land use (commercial, residential, rural, etc):

Residential and Commercial

UST sites within a 1,000-foot radius:

Unknown; none observed

The site is located at 820 Chesterfield Highway in Cheraw, South Carolina. The site is bordered to the west by Windsor Drive and commercial property, to the south by Chesterfield Highway and commercial property, to the east by residential properties, and to the north by commercial property. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A Site Base Map originating from a comprehensive survey completed by Christopher R. Elmer (SC Registered Land Surveyor #30759) of Tim Elmer RLS, LLC on February 27, 2014 is provided in Section J as Figure 2.

### **3. Site-Specific Geology and Hydrogeology**

Based on the Tier II Assessment reported in March 2015, the general soil profile onsite consists of sandy clay and clay underlain by sand and clayey silt in the deep wells. The Site Potentiometric Maps (Figures 5A and 5B) are included in Section J. Based on the data, shallow and deep groundwater flow are generally to the north.

**C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY**

Not Applicable. No soil or groundwater borings were installed during this scope of work.

**D. MONITORING WELL INFORMATION**

Not Applicable. No monitoring wells were installed during this scope of work.



## **E. GROUNDWATER DATA**

### **1. Groundwater Sampling Methodology**

TERRY conducted a comprehensive groundwater sampling event on June 30 and July 1, 2020. Just prior to the sampling event, all monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Surface water location SW-1 was sampled. SW-2 was dry. TERRY also collected a sample from water supply well (WSW-1).

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the deep wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The water supply well sample was collected after the well had run for approximately five minutes.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 3.1. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs and 1,2-Dibromoethane (EDB). One field duplicate was collected for each batch of twenty samples and analyzed for VOCs and EDB. An additional field blank and field duplicate were collected for the water supply well sample and analyzed for VOCs and EDB.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 3.1 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, Ethanol, and EDB. The water supply well sample, associated blank, and duplicate were analyzed per the drinking water methods.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 3.1. By-products were initially stored onsite in 55-gallon drums. The water generated was transported to US Water Recovery for disposal and the disposal manifest is provided in Appendix G. The field measurement equipment was properly calibrated

prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event are provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B.

## **2. Purging Methodology**

Per SCDHEC request, all wells were purged prior to sampling. Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous sampling data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. For monitoring wells with smaller casing volumes, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. In accordance with the SCDHEC UST QAPP, Revision 3.1, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge water generated was initially stored onsite in 55-gallon drums. The water generated was transported to US Water Recovery for disposal and the disposal manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 3.1. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2							
GROUNDWATER MEASUREMENTS (PURGE SAMPLING)							
MARUTI KUNDAL (FORMER WINDSOR MART)							
CHERAW, SOUTH CAROLINA							
SCDHEC UST PERMIT #02314							
<b>02314-MW1</b>	<b>7/1/2020</b>						
	Free Product (2.22 ft.)						
<b>02314-MW2R</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1	2	3/Sample			
Time (military)	1206	1208	1211	1213			
pH (su)	5.12	5.28	5.25	5.30			
Spec Conductivity (mS/cm)	0.108	0.103	0.103	0.100			
Water Temperature (°C)	23.8	23.4	23.2	22.8			
Turbidity (NTU)	0.0	321	347	348			
Dissolved Oxygen (mg/L)	5.00	3.55	3.45	3.40			
<b>02314-MW3</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	1.5	3	4.5/Sample			
Time (military)	2008	2016	2020	2036			
pH (su)	5.87	5.90	5.92	5.85			
Spec Conductivity (mS/cm)	0.445	0.290	0.279	0.278			
Water Temperature (°C)	24.0	22.8	22.7	22.9			
Turbidity (NTU)	187	88.3	92.4	87.2			
Dissolved Oxygen (mg/L)	3.48	3.91	3.96	3.80			
<b>02314-MW4</b>	<b>7/1/2020</b>						
	Free Product (0.43 ft.)						
<b>02314-MW5</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	0.75	1.5	2.25/Sample			
Time (military)	1358	1403	1407	1409			
pH (su)	4.76	4.95	4.94	4.98			
Spec Conductivity (mS/cm)	0.140	0.143	0.142	0.142			
Water Temperature (°C)	25.4	24.6	24.1	24.1			
Turbidity (NTU)	0.6	209	200	207			
Dissolved Oxygen (mg/L)	5.85	4.33	4.28	4.21			
<b>02314-MW6</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	1	2	3/Sample			
Time (military)	1433	1435	1438	1442			
pH (su)	4.31	4.35	4.44	4.39			
Spec Conductivity (mS/cm)	0.058	0.049	0.048	0.048			
Water Temperature (°C)	28.0	25.2	24.3	24.2			
Turbidity (NTU)	2.1	49.2	44.8	46.6			
Dissolved Oxygen (mg/L)	3.58	2.11	2.10	2.05			
<b>02314-MW7</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1	2	3	4/Sample		
Time (military)	1117	1121	1123	1126	1130		
pH (su)	4.78	5.09	5.27	5.26	5.33		
Spec Conductivity (mS/cm)	0.090	0.121	0.146	0.145	0.142		
Water Temperature (°C)	23.4	23.2	23.0	23.0	22.8		
Turbidity (NTU)	0.0	103	205	198	191		
Dissolved Oxygen (mg/L)	7.04	4.34	1.31	1.19	1.35		
<b>02314-MW8</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1	2	3	4	5/Sample	
Time (military)	1100	1105	1106	1108	1110	1115	
pH (su)	4.83	4.87	5.00	5.17	5.28	5.42	
Spec Conductivity (mS/cm)	0.072	0.072	0.077	0.087	0.097	0.116	
Water Temperature (°C)	23.2	23.1	22.7	22.7	22.5	22.7	
Turbidity (NTU)	44.6	106	78.2	5.7	9.9	3.2	
Dissolved Oxygen (mg/L)	2.05	2.49	2.21	2.02	1.93	1.57	



<b>02314-MW9</b>		<b>6/30/2020</b>						
Volume (gal)	Initial	1.25	2.5	3.75	5	6.25/Sample		
Time (military)	1328	1330	1335	1337	1341	1347		
pH (su)	4.43	4.19	4.15	4.25	4.07	4.22		
Spec Conductivity (mS/cm)	0.130	0.129	0.120	0.122	0.135	0.131		
Water Temperature (°C)	25.4	23.2	21.9	21.8	21.4	21.4		
Turbidity (NTU)	7.1	321	427	483	470	125		
Dissolved Oxygen (mg/L)	6.51	5.37	6.52	6.19	5.92	6.04		
<b>02314-MW10</b>		<b>6/30/2020</b>						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample			
Time (military)	1526	1528	1531	1536	1543			
pH (su)	4.35	4.11	4.27	4.28	4.29			
Spec Conductivity (mS/cm)	0.065	0.074	0.083	0.084	0.084			
Water Temperature (°C)	27.0	24.7	23.9	23.9	24.0			
Turbidity (NTU)	6.4	124	289	291	277			
Dissolved Oxygen (mg/L)	4.60	5.62	4.32	4.24	4.18			
<b>02314-MW11</b>		<b>6/30/2020</b>						
Volume (gal)	Initial	1.25	2.5	3.75	5	6.25/Sample		
Time (military)	1556	1600	1605	1611	1616	1620		
pH (su)	4.43	4.36	4.47	4.27	4.37	4.40		
Spec Conductivity (mS/cm)	0.091	0.099	0.101	0.102	0.102	0.098		
Water Temperature (°C)	25.0	23.2	22.8	22.1	22.3	23.0		
Turbidity (NTU)	11.3	134	386	392	373	53.5		
Dissolved Oxygen (mg/L)	7.24	6.34	5.33	4.56	3.94	3.13		
<b>02314-MW12</b>		<b>7/1/2020</b>						
Volume (gal)	Initial	1.25	2.5	3.75	5/Sample			
Time (military)	0823	0830	0832	0835	0838			
pH (su)	5.20	5.29	5.38	5.35	5.41			
Spec Conductivity (mS/cm)	0.121	0.124	0.141	0.148	0.144			
Water Temperature (°C)	22.7	22.3	21.8	21.7	21.5			
Turbidity (NTU)	0.0	30.8	365	350	351			
Dissolved Oxygen (mg/L)	2.92	1.78	2.01	1.89	1.85			
<b>02314-MW13</b>		<b>7/1/2020</b>						
Volume (gal)	Initial	1.25	2.5	3.75	5	6.25/Sample	Duplicate (DUP)	
Time (military)	1618	1630	1633	1636	1639	1643	1645	
pH (su)	5.14	5.14	5.32	5.38	5.42	5.38		
Spec Conductivity (mS/cm)	0.143	0.103	0.111	0.118	0.124	0.140		
Water Temperature (°C)	25.5	24.0	23.6	23.4	23.1	23.7		
Turbidity (NTU)	0.0	339	475	221	293	83.5		
Dissolved Oxygen (mg/L)	4.10	3.70	8.67	2.69	3.00	2.42		
<b>02314-MW14</b>		<b>7/1/2020</b>						
Free Product (0.18 ft.)								
<b>02314-MW15</b>		<b>7/1/2020</b>						
Volume (gal)	Initial	1	2	3	4	5/Sample		
Time (military)	1421	1428	1431	1434	1437	1441		
pH (su)	4.60	4.52	4.74	5.09	5.19	5.33		
Spec Conductivity (mS/cm)	0.060	0.059	0.066	0.093	0.120	0.126		
Water Temperature (°C)	23.4	23.4	23.2	23.2	23.6	23.6		
Turbidity (NTU)	0.0	33.3	41.1	39.7	35.0	15.7		
Dissolved Oxygen (mg/L)	3.54	3.24	7.08	3.88	4.02	3.83		
<b>02314-MW16</b>		<b>6/30/2020</b>						
Volume (gal)	Initial	1.5	3	4.5	6	7.5/Sample		
Time (military)	1248	1251	1255	1257	1300	1303		
pH (su)	4.31	4.06	4.22	4.08	4.18	4.20		
Spec Conductivity (mS/cm)	0.095	0.102	0.105	0.110	0.110	0.109		
Water Temperature (°C)	24.2	22.9	23.6	22.7	22.9	23.0		
Turbidity (NTU)	11.9	164	188	149	157	130		
Dissolved Oxygen (mg/L)	7.51	7.15	6.80	6.58	5.44	5.38		

<b>02314-MW17</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	0.75	1.5	3.25	4/Sample		
Time (military)	1230	1234	1238	1240	1246		
pH (su)	4.65	4.35	4.24	4.33	4.27		
Spec Conductivity (mS/cm)	0.123	0.129	0.129	0.132	0.131		
Water Temperature (°C)	25.9	23.9	23.3	23.2	23.5		
Turbidity (NTU)	1.0	274	271	258	251		
Dissolved Oxygen (mg/L)	7.10	5.92	5.53	5.33	5.37		
<b>02314-MW18</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	1.5	3	4.5	6/Sample		
Time (military)	1157	1203	1208	1214	1219		
pH (su)	4.75	4.39	4.48	4.40	4.46		
Spec Conductivity (mS/cm)	0.175	0.097	0.087	0.083	0.083		
Water Temperature (°C)	26.1	24.4	24.6	23.9	24.1		
Turbidity (NTU)	43.1	278	451	438	433		
Dissolved Oxygen (mg/L)	7.79	7.71	5.27	5.24	5.19		
<b>02314-MW19</b>	<b>7/1/2020</b>						
	Free Product (1.52 ft)						
<b>02314-MW20</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1.5	3	4.5	6	7.5/Sample	
Time (military)	1624	1650	1653	1658	1700	1707	
pH (su)	4.27	4.46	4.56	4.64	4.69	4.76	
Spec Conductivity (mS/cm)	0.159	0.154	0.150	0.131	0.129	0.137	
Water Temperature (°C)	24.4	24.7	23.3	23.8	23.4	24.6	
Turbidity (NTU)	22.8	483	429	422	408	468	
Dissolved Oxygen (mg/L)	3.41	4.04	6.77	4.00	3.04	3.72	
<b>02314-MW21</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	1.5	3	4.5	6/Sample		
Time (military)	1848	1853	1903	1907	1911		
pH (su)	4.18	4.43	4.05	4.12	4.13		
Spec Conductivity (mS/cm)	0.088	0.085	0.089	0.089	0.089		
Water Temperature (°C)	24.2	23.0	23.2	22.9	23.0		
Turbidity (NTU)	18.2	83.4	131	128	120		
Dissolved Oxygen (mg/L)	1.96	1.33	2.38	2.27	2.20		
<b>02314-MW22</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	1.5	3	4.5	6/Sample		
Time (military)	1740	1743	1747	1752	1800		
pH (su)	3.69	3.88	3.94	3.94	3.95		
Spec Conductivity (mS/cm)	0.175	0.110	0.101	0.096	0.095		
Water Temperature (°C)	25.6	24.1	23.6	23.3	23.2		
Turbidity (NTU)	108	229	487	456	477		
Dissolved Oxygen (mg/L)	4.67	5.05	3.84	3.82	3.90		
<b>02314-MW23</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1.5	3	4.5/Sample			
Time (military)	1025	1029	1031	1036			
pH (su)	5.02	5.04	5.04	5.04			
Spec Conductivity (mS/cm)	0.072	0.071	0.072	0.077			
Water Temperature (°C)	23.1	22.4	22.2	22.1			
Turbidity (NTU)	162	429	437	433			
Dissolved Oxygen (mg/L)	1.32	1.84	1.83	1.71			
<b>02314-MW24</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1.75	3.5	5.25	7	8.75/Sample	
Time (military)	0947	0950	0954	0957	1000	1004	
pH (su)	5.04	5.34	5.44	5.54	5.57	5.68	
Spec Conductivity (mS/cm)	0.045	0.093	0.111	0.132	0.136	0.200	
Water Temperature (°C)	21.8	21.7	21.5	21.5	21.3	21.8	
Turbidity (NTU)	121	374	408	422	351	329	
Dissolved Oxygen (mg/L)	2.34	1.98	1.87	1.71	2.29	2.11	

<b>02314-MW25</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1.75	3.5	5.25/Sample			
Time (military)	0930	0932	0935	0942			
pH (su)	4.45	4.18	4.15	4.13			
Spec Conductivity (mS/cm)	0.114	0.107	0.101	0.101			
Water Temperature (°C)	22.8	22.4	22.1	22.2			
Turbidity (NTU)	161	493	489	479			
Dissolved Oxygen (mg/L)	1.90	1.59	1.57	1.66			
<b>02314-MW26</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	1.75	3.5	5.25	7	8.75/Sample	
Time (military)	1633	1638	1643	1647	1649	1656	
pH (su)	4.38	4.35	4.33	4.23	4.10	4.17	
Spec Conductivity (mS/cm)	0.058	0.057	0.058	0.057	0.057	0.057	
Water Temperature (°C)	24.5	23.5	23.0	22.6	22.5	22.6	
Turbidity (NTU)	71.9	493	308	289	284	126	
Dissolved Oxygen (mg/L)	6.61	2.62	2.07	3.33	3.44	3.01	
<b>02314-MW27</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	1.75	3.5	5.25/Sample			
Time (military)	0845	0851	0858	0901			
pH (su)	5.01	4.43	4.42	4.35			
Spec Conductivity (mS/cm)	0.037	0.047	0.050	0.051			
Water Temperature (°C)	23.5	22.3	22.1	21.8			
Turbidity (NTU)	64.7	498	477	472			
Dissolved Oxygen (mg/L)	3.19	2.22	2.13	2.10			
<b>02314-DW1</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	7	14	21	28/Sample		
Time (military)	1951	2015	2030	2041	2049		
pH (su)	6.45	6.21	6.10	6.13	6.06		
Spec Conductivity (mS/cm)	0.219	0.163	0.121	0.115	0.115		
Water Temperature (°C)	24.3	23.2	22.6	22.8	22.8		
Turbidity (NTU)	153	268	7.9	0.0	0.0		
Dissolved Oxygen (mg/L)	2.74	2.87	2.73	2.60	2.64		
<b>02314-DW2</b>	<b>6/30/2020</b>						
Volume (gal)	Initial	6	8	8.25/Dry/Sample			
Time (military)	1915	1920	1924	1935			
pH (su)	5.22	5.36	5.27	5.31			
Spec Conductivity (mS/cm)	0.064	0.062	0.048	0.048			
Water Temperature (°C)	23.2	23.6	24.0	24.1			
Turbidity (NTU)	12.5	106	487	399			
Dissolved Oxygen (mg/L)	6.80	5.74	7.68	6.22			
<b>02314-DW3</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	6.5	7	7.25/Dry/Sample			
Time (military)	0916	0923	0926	0940			
pH (su)	5.58	5.61	5.81	5.77			
Spec Conductivity (mS/cm)	0.111	0.118	0.120	0.121			
Water Temperature (°C)	22.3	22.1	22.5	22.6			
Turbidity (NTU)	0.0	317	458	467			
Dissolved Oxygen (mg/L)	6.26	4.09	2.02	2.87			
<b>02314-RW1</b>	<b>7/1/2020</b>						
Volume (gal)	Initial	10	20	30/Sample			
Time (military)	1136	1145	1154	1202			
pH (su)	4.46	4.39	4.40	4.48			
Spec Conductivity (mS/cm)	0.088	0.109	0.106	0.101			
Water Temperature (°C)	23.3	23.5	23.4	23.1			
Turbidity (NTU)	0.0	0.0	0.0	0.0			
Dissolved Oxygen (mg/L)	3.99	2.35	2.26	2.21			



<b>02314-RW2</b>		<b>7/1/2020</b>					
Volume (gal)	Initial	11	22	33	44	55	Sample
Time (military)	1402	1447	1458	1506	1514	1524	
pH (su)	5.24	5.51	5.78	5.89	5.85	5.90	
Spec Conductivity (mS/cm)	0.627	0.603	0.478	0.370	0.340	0.282	
Water Temperature (°C)	23.4	23.5	23.0	23.3	23.4	23.2	
Turbidity (NTU)	0.0	5.0	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	7.93	4.15	3.82	2.73	3.18	2.20	
<b>02314-RW3</b>		<b>7/1/2020</b>					
Volume (gal)	Initial	11	22	33	Sample		
Time (military)	1357	1404	1415	1423			
pH (su)	4.69	5.17	5.25	5.16			
Spec Conductivity (mS/cm)	0.070	0.060	0.054	0.060			
Water Temperature (°C)	24.0	23.0	23.4	22.9			
Turbidity (NTU)	0.0	0.0	0.0	0.0			
Dissolved Oxygen (mg/L)	4.48	2.20	2.37	2.33			
<b>02314-RW4</b>		<b>7/1/2020</b>					
Volume (gal)	Initial	12	24	36	Sample		
Time (military)	1620	1723	1726	1735			
pH (su)	4.08	4.34	4.36	4.41			
Spec Conductivity (mS/cm)	0.203	0.186	0.184	0.179			
Water Temperature (°C)	27.6	25.2	24.8	24.3			
Turbidity (NTU)	12.9	18.7	17.9	18.0			
Dissolved Oxygen (mg/L)	2.13	3.06	2.92	2.94			
<b>02314-RW5</b>		<b>7/1/2020</b>					
Volume (gal)	Initial	12	24	36	Sample	Duplicate (DUP)	
Time (military)	1644	1655	1703	1710	1712		
pH (su)	4.83	4.73	4.70	4.66			
Spec Conductivity (mS/cm)	0.218	0.226	0.231	0.230			
Water Temperature (°C)	25.7	24.2	24.8	24.0			
Turbidity (NTU)	0.0	1.7	3.3	2.0			
Dissolved Oxygen (mg/L)	4.95	2.17	2.26	2.09			

**NOTES/KEY:**

gal = gallons  
su = standard unit  
mS/cm = milliSiemens per centimeter  
NTU = nephelometric turbidity units  
mg/L = milligrams per liter

### 3. Free Product Measurements

Free-phase petroleum was measured in MW-1 (2.22 feet), MW-4 (0.43 feet), MW-14 (0.18 feet), and MW-19 (1.52 feet) on July 1, 2020. Therefore, monitoring wells MW-1, MW-4, MW-14, and MW-19 were not sampled.

**F. AFVR INFORMATION**

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

**G. GRANULATED ACTIVATED CARBON INSTALLATION**

Not Applicable. No granulated activated carbon units were installed during this scope of work.



## **H. RESULTS & DISCUSSION**

### **1. Assessment Results**

During this scope of work, TERRY conducted a comprehensive groundwater sampling event on June 30 and July 1, 2020 in accordance with the SCDHEC UST QAPP, Revision 3.1 and the associated site-specific work plan submitted in May 2020. Source area wells MW-1, MW-4, MW-14, and MW-19 contain measurable free-phase petroleum.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present near the dispenser islands (MW-1, MW-2R, MW-3, MW-4, MW-7, MW-8, MW-14, MW-15, RW-1, RW-2, and RW-3), the UST basin (MW-13, MW-19, MW-20, RW-4, and RW-5), and migrating in the direction of groundwater flow to the north (MW-12, MW-23, MW-24, MW-25, and MW-27). The plume remains horizontally undefined down gradient to the north. The plume is vertically defined. The sample collected from the surface water location (SW-1) did not show evidence of petroleum contamination. The sample collected from the water supply well (WSW-1) did not show evidence of petroleum contamination.

The AFVR events conducted in June 2018 were successful at recovering contaminant mass and reducing free-phase product thicknesses in the monitoring/recovery wells. Per SCDHEC correspondence dated June 7, 2018 the subject site will undergo active corrective action to mitigate the petroleum impact. In the interim, TERRY recommends conducting additional 96-hour AFVR events on the monitoring/recovery well network in the source area to continue to address the free-phase product.

### **2. Aquifer Evaluation Results**

Not Applicable

### **3. Fate & Transport Results**

Not Applicable

### **4. Tier 1 Risk Evaluation**

Not Applicable

**5. Tier 2 Risk Evaluation**

Not Applicable

**I. TABLES**

**1. Soil Analytical Data**

Table 1 Soil Analytical Data - Not Applicable

**2. Potentiometric Data**

Table 2 Groundwater Potentiometric Data - Attached

**3. Laboratory Data**

Table 3 Groundwater Laboratory Data - Attached

**4. Aquifer Characteristics**

Table 4 Aquifer Characteristics - Not Applicable

**5. Site Conceptual Model**

Table 5 Site Conceptual Model - Not Applicable

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW1	3/19/1997	173.28	10 to 20	13.70	n/a	n/a	159.58
	6/17/1997			16.07	n/a	n/a	157.21
	12/9/2013			20.65	17.31	3.34	152.63
	9/26/2014			19.60	16.82	2.78	153.68
	2/2/2015			Free Product (1.20 ft)			
	1/3/2017			15.96	n/a	n/a	157.32
	3/6/2018			20.53	19.08	1.45	152.75
	12/27/2018			13.92	11.82	2.10	159.36
	7/1/2020			16.05	13.83	2.22	157.23
02314-MW2	6/17/1997	100.06	10 to 20	16.04	n/a	n/a	84.02
	12/9/2013			Could Not Find			
	9/29/2014			Could Not Find			
02314-MW2R	9/29/2014	173.92	10.3-20.3	17.60	n/a	n/a	156.32
	2/2/2015			15.72	n/a	n/a	158.20
	1/3/2017			15.96	n/a	n/a	157.96
	3/6/2018			Dry			
	12/28/2018			12.18	n/a	n/a	161.74
	7/1/2020			14.40	n/a	n/a	159.52
	02314-MW3			6/17/1997	171.43	10 to 20	13.64
12/9/2013		15.86	n/a	n/a			155.57
9/26/2014		15.65	14.70	0.95			155.78
2/2/2015		Free Product (1.0 ft)					
1/3/2017		13.45	n/a	n/a			157.98
3/6/2018		17.07	n/a	n/a			154.36
12/27/2018		10.19	n/a	n/a			161.24
6/30/2020		11.58	n/a	n/a			159.85
02314-MW4	6/17/1997	173.39	10 to 20	15.75	n/a	n/a	157.64
	12/9/2013			18.80	16.91	1.89	154.59
	9/26/2014			19.43	16.32	3.11	153.96
	2/2/2015			Free Product (0.80 ft)			
	1/3/2017			15.69	n/a	n/a	157.70
	3/6/2018			19.95	18.82	1.13	153.44
	12/27/2018			13.04	13.44	0.40	160.35
	7/1/2020			14.18	13.75	0.43	159.21
02314-MW5	9/29/2014	174.97	9.9 to 19.9	18.51	n/a	n/a	156.46
	2/2/2015			17.10	n/a	n/a	157.87
	1/3/2017			Not Gauged			
	3/5/2018			Dry			
	12/28/2018			14.30	n/a	n/a	160.67
	6/30/2020			16.38	n/a	n/a	158.59
02314-MW6	9/29/2014	174.57	10.1 to 20.1	18.17	n/a	n/a	156.40
	2/2/2015			16.55	n/a	n/a	158.02
	1/3/2017			Not Gauged			
	3/6/2018			Dry			
	12/27/2018			12.94	n/a	n/a	161.63
	6/30/2020			14.85	n/a	n/a	159.72

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW7	9/29/2014	174.20	10.3 to 20.3	18.09	17.86	0.23	156.11
	2/2/2015			Free Product (0.27 ft)			
	1/3/2017			16.37	n/a	n/a	157.83
	3/6/2018			19.86	19.83	0.03	154.34
	12/27/2018			12.55	n/a	n/a	161.65
	7/1/2020			14.72	n/a	n/a	159.48
02314-MW8	9/29/2014	173.79	10.3 to 20.3	17.55	n/a	n/a	156.24
	2/2/2015			16.11	n/a	n/a	157.68
	1/3/2017			15.93	n/a	n/a	157.86
	3/6/2018			19.45	n/a	n/a	154.34
	12/27/2018			12.25	n/a	n/a	161.54
	7/1/2020			14.33	n/a	n/a	159.46
02314-MW9	9/29/2014	172.72	9.9 to 19.9	16.84	n/a	n/a	155.88
	2/2/2015			14.73	n/a	n/a	157.99
	1/3/2017			Not Gauged			
	3/5/2018			18.30	n/a	n/a	154.42
	12/26/2018			11.20	n/a	n/a	161.52
	6/30/2020			13.04	n/a	n/a	159.68
02314-MW10	9/29/2014	172.09	10.3 to 20.3	15.85	n/a	n/a	156.24
	2/2/2015			14.19	n/a	n/a	157.90
	1/3/2017			Not Gauged			
	3/5/2018			17.79	n/a	n/a	154.30
	12/26/2018			11.61	n/a	n/a	160.48
	6/30/2020			12.83	n/a	n/a	159.26
02314-MW11	9/29/2014	172.07	10.1 to 20.1	15.95	n/a	n/a	156.12
	2/2/2015			14.30	n/a	n/a	157.77
	1/3/2017			Not Gauged			
	3/5/2018			17.83	n/a	n/a	154.24
	12/26/2018			10.68	n/a	n/a	161.39
	6/30/2020			12.65	n/a	n/a	159.42
02314-MW12	9/29/2014	172.54	10.3 to 20.3	16.40	n/a	n/a	156.14
	2/2/2015			14.76	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			18.31	n/a	n/a	154.23
	12/27/2018			11.09	n/a	n/a	161.45
	7/1/2020			13.19	n/a	n/a	159.35
02314-MW13	9/29/2014	172.64	10.3 to 20.3	17.20	n/a	n/a	155.44
	2/2/2015			15.55	n/a	n/a	157.09
	1/3/2017			14.95	n/a	n/a	157.69
	3/6/2018			18.48	n/a	n/a	154.16
	12/27/2018			11.13	n/a	n/a	161.51
	7/1/2020			13.28	n/a	n/a	159.36

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW14	9/29/2014	172.88	10.3 to 20.3	16.75	n/a	n/a	156.13
	2/2/2015			15.15	n/a	n/a	157.73
	1/3/2017			Not Gauged			
	3/5/2018			20.39	19.41	<b>0.98</b>	152.49
	12/27/2018			13.40	13.90	<b>0.50</b>	159.48
	7/1/2020			13.70	13.52	<b>0.18</b>	159.18
02314-MW15	9/29/2014	173.85	10.3 to 20.3	17.90	n/a	n/a	155.95
	2/2/2015			15.85	n/a	n/a	158.00
	1/3/2017			15.88	n/a	n/a	157.97
	3/6/2018			19.43	n/a	n/a	154.42
	12/27/2018			12.20	n/a	n/a	161.65
	7/1/2020			14.30	n/a	n/a	159.55
02314-MW16	11/19/2014	176.97	16.0 to 26.0	21.50	n/a	n/a	155.47
	2/2/2015			18.69	n/a	n/a	158.28
	1/3/2017			Not Gauged			
	3/5/2018			22.29	n/a	n/a	154.68
	12/26/2018			15.24	n/a	n/a	161.73
	6/30/2020			17.03	n/a	n/a	159.94
02314-MW17	11/6/2014	176.13	10.4 to 20.4	20.10	n/a	n/a	156.03
	2/2/2015			17.79	n/a	n/a	158.34
	1/3/2017			Not Gauged			
	3/5/2018			Dry			
	12/26/2018			14.24	n/a	n/a	161.89
	6/30/2020			16.15	n/a	n/a	159.98
02314-MW18	11/6/2014	175.59	14.6 to 24.6	19.74	n/a	n/a	155.85
	2/2/2015			17.40	n/a	n/a	158.19
	1/3/2017			Not Gauged			
	3/5/2018			20.97	n/a	n/a	154.62
	12/26/2018			13.91	n/a	n/a	161.68
	6/30/2020			15.80	n/a	n/a	159.79
02314-MW19	11/6/2014	171.50	12.3 to 22.3	16.32	n/a	n/a	155.18
	2/2/2015			14.15	n/a	n/a	157.35
	1/3/2017			13.95	n/a	n/a	157.55
	3/6/2018			17.22	17.02	<b>0.20</b>	154.28
	12/26/2018			--	9.28	<b>&gt;3.0</b>	--
	7/1/2020			13.42	11.90	<b>1.52</b>	158.08
02314-MW20	11/6/2014	171.82	12.2 to 22.2	16.63	n/a	n/a	155.19
	2/2/2015			14.35	n/a	n/a	157.47
	1/3/2017			14.30	n/a	n/a	157.52
	3/6/2018			17.74	n/a	n/a	154.08
	12/27/2018			10.52	n/a	n/a	161.30
	7/1/2020			12.75	n/a	n/a	159.07

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW21	2/2/2015	173.97	13.7 to 23.7	16.55	n/a	n/a	157.42
	1/3/2017			Not Gauged			
	3/5/2018			19.88	n/a	n/a	154.09
	12/26/2018			12.59	n/a	n/a	161.38
	6/30/2020			14.80	n/a	n/a	159.17
02314-MW22	2/2/2015	171.95	12 to 22	14.65	n/a	n/a	157.30
	1/3/2017			Not Gauged			
	3/5/2018			17.98	n/a	n/a	153.97
	12/26/2018			10.68	n/a	n/a	161.27
	6/30/2020			12.81	n/a	n/a	159.14
02314-MW23	2/2/2015	171.03	11.2 to 21.2	13.72	n/a	n/a	157.31
	1/3/2017			13.65	n/a	n/a	157.38
	3/6/2018			17.04	n/a	n/a	153.99
	12/27/2018			10.45	n/a	n/a	160.58
	7/1/2020			12.07	n/a	n/a	158.96
02314-MW24	2/2/2015	169.78	11 to 21	12.54	n/a	n/a	157.24
	1/3/2017			Not Gauged			
	3/5/2018			15.90	n/a	n/a	153.88
	12/26/2018			8.70	n/a	n/a	161.08
	7/1/2020			10.94	n/a	n/a	158.84
02314-MW25	2/2/2015	170.08	11 to 21	13.00	n/a	n/a	157.08
	1/3/2017			Not Gauged			
	3/5/2018			16.26	n/a	n/a	153.82
	12/27/2018			9.75	n/a	n/a	160.33
	7/1/2020			11.40	n/a	n/a	158.68
02314-MW26	2/2/2015	169.21	10.4 to 20.4	12.24	n/a	n/a	156.97
	1/3/2017			Not Gauged			
	3/5/2018			15.42	n/a	n/a	153.79
	12/26/2018			8.18	n/a	n/a	161.03
	6/30/2020			10.38	n/a	n/a	158.83
02314-MW27	2/2/2015	168.95	10 to 20	11.81	n/a	n/a	157.14
	1/3/2017			Not Gauged			
	3/5/2018			14.97	n/a	n/a	153.98
	12/27/2018			7.80	n/a	n/a	161.15
	7/1/2020			9.98	n/a	n/a	158.97
02314-DW1	9/29/2014	173.59	49.6 to 54.6	16.97	n/a	n/a	156.62
	2/2/2015			15.37	n/a	n/a	158.22
	1/3/2017			Not Gauged			
	3/5/2018			17.33	n/a	n/a	156.26
	12/26/2018			15.79	n/a	n/a	157.80
	6/30/2020			13.73	n/a	n/a	159.86

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-DW2	2/2/2015	174.37	44.6 to 49.6	16.59	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			19.82	n/a	n/a	154.55
	12/26/2018			13.06	n/a	n/a	161.31
	6/30/2020			14.61	n/a	n/a	159.76
02314-DW3	2/2/2015	169.93	44.6 to 49.6	13.72	n/a	n/a	156.21
	1/3/2017			Not Gauged			
	3/5/2018			16.50	n/a	n/a	153.43
	12/26/2018			11.02	n/a	n/a	158.91
	7/1/2020			11.71	n/a	n/a	158.22
02314-RW1	1/3/2017	Unknown	10 to 30	16.11	n/a	n/a	n/a
	3/6/2018	174.15		19.80	19.51	0.29	n/a
	12/28/2018			12.24	n/a	n/a	161.91
	7/1/2020			14.48	n/a	n/a	159.67
02314-RW2	1/3/2017	Unknown	10 to 30	15.47	n/a	n/a	n/a
	3/6/2018	173.28		19.93	18.63	1.30	n/a
	12/28/2018			11.75	n/a	n/a	161.53
	7/1/2020			13.86	n/a	n/a	159.42
02314-RW3	1/3/2017	Unknown	10 to 30	Not Gauged			
	3/6/2018	173.17		18.94	n/a	n/a	n/a
	12/27/2018			11.78	n/a	n/a	161.39
	7/1/2020			13.77	n/a	n/a	159.40
02314-RW4	12/27/2018	172.02	10 to 30	10.50	n/a	n/a	161.52
	7/1/2020			12.59	n/a	n/a	159.43
02314-RW5	12/27/2018	172.04	10 to 30	10.70	n/a	n/a	161.34
	7/1/2020			12.82	n/a	n/a	159.22

Notes:

All Data Prior to December 2013 collected by others

<sup>(1)</sup> TOC = Top of casing relative to an assumed data

\* = Measured relative to TOC

\*\*Corrected Elevation calculated using following equation:

$$\text{Corrected elevation} = \text{Water table elevation} + [(0.77)(\text{free product thickness})]$$



TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERAW, SOUTH CAROLINA TERRY PROJECT #2171.9L SCDHEC UST PERMIT #02314																		
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
RBS1	--	5	1,600	700	10,000	25	40	5	0.65	15	128	1,400	150	47	N/A	10,000	240	N/A
02314-MW1	3/19/1997	1,530	8,650	1,350	12,730	<100	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1997	1,270	6,510	515	6,470	367	<1,000	--	--	--	--	--	--	--	--	--	--	--
	12/9/2013	Free Product (3.34 fl.)																
	9/26/2014	Free Product (2.78 fl.)																
	1/3/2017	15,000	46,000	2,800	17,000	440J	<500	<500	--	--	<5,000	<10,000	280J	<500	<10,000	480,000	28,000	<2,500
02314-MW2	3/6/2018	Free Product (1.45 fl.)																
	12/27/2018	Free Product (2.10 fl.)																
	7/1/2020	Free Product (2.22 fl.)																
	6/17/1997	29	1.25	1.13	136.1	5.5	13.7	--	--	--	--	--	--	--	--	--	--	--
	12/9/2013	Could Not Find																
02314-MW2R	9/29/2014	Could Not Find																
	9/29/2014	6,400	18,000	1,600	8,300	330	<200	<200	--	--	<2,000	<4,000	87J	<200	<4,000	<20,000	6,900	<1,000
	1/3/2017	11,000	40,000	2,600	15,000	380	<200	<200	--	--	<2,000	<4,000	130J	<200	<4,000	<20,000	36,000	<1,000
	3/6/2018	Dry																
	12/28/2018	2,600	15,000	2,500	13,900	478	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	8,100	<500
02314-MW3	7/1/2020	2,700	15,000	2,700	14,000	610	<100	<100	<0.019	--	<1,000	93J	<100	<100	<2,000	<10,000	11,000	<500
	6/17/1997	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--
	12/9/2013	18.5	102	27.6	374	13.4	<1.00	<1.00	<0.010	<15.0	<5.00	<10.0	<5.00	<5.00	<100	<1,000	20.4	<50.0
	9/26/2014	Free Product (0.95 fl.)																
	1/3/2017	11	17	36	260	28	<5.0	<5.0	--	--	<50	<100	<5.0	<5.0	<100	<500	53J	<25
02314-MW4	3/6/2018	230	310	270	1,300	86	<5.0	5.6	<0.019	--	<50	<100	<5.0	<5.0	<100	<500	380	<25
	12/27/2018	95	61	110	590	52	<5.0	<5.0	<0.020	--	<50	<100	<5.0	<5.0	<100	<500	870	<25
	6/30/2020	38	55	34	110	28	<1.0	<1.0	<0.020	--	<10	9.8J	<1.0	<1.0	<20	<100	350	<5.0
	6/17/1997	5,430	14,300	1,960	19,360	1,090	<2,500	--	--	--	--	--	--	--	--	--	--	--
	12/9/2013	Free Product (1.89 fl.)																
02314-MW5	9/26/2014	Free Product (3.11 fl.)																
	1/3/2017	15,000	42,000	3,000	17,000	470J	380J	<500	--	--	<5,000	<10,000	660	<500	<10,000	2,500,000	61,000	<2,500
	3/6/2018	Free Product (1.13 fl.)																
	12/27/2018	Free Product (0.40 fl.)																
	7/1/2020	Free Product (0.41 fl.)																
02314-MW6	9/29/2014	13	110	16	100	4.8	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	1/3/2017	Not Sampled																
	3/6/2018	Dry																
	12/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
02314-MW7	9/29/2014	1.5	8.8	2.6	21	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	60	<5.0
	1/3/2017	Not Sampled																
	3/6/2018	Dry																
	12/27/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	1.6J	<1.0	<1.0	<20	<100	<20	<5.0
02314-MW8	9/29/2014	Free Product (0.21 fl.)																
	1/3/2017	6,100	35,000	3,200	20,000	700	<500	<500	--	--	<5,000	<10,000	300J	<500	<10,000	<50,000	32,000	<2,500
	3/6/2018	Free Product (0.03 fl.)																
	12/27/2018	3,600	17,000	2,000	12,000	840	<100	<100	0.53	--	<1,000	<2,000	170	<100	<2,000	<10,000	17,000	<500
	7/1/2020	2,600	12,000	1,600	8,900	350	<100	<100	0.33	--	<1,000	140J	92J	<100	<2,000	<10,000	12,000	<500
02314-MW9	9/29/2014	3,700	12,000	1,300	7,200	180J	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	6,700	<1,000
	1/3/2017	1,700	13,000	2,000	12,000	230	<100	<100	--	--	<1,000	<2,000	<100	<100	<2,000	<10,000	7,100	<500
	3/6/2018	1,300	2,800	350	4,500	100	<20	<20	<0.020	--	<200	<400	18J	<20	<400	<2,000	11,000	<100
	12/27/2018	900	1,900	390	5,000	41	<20	<20	<0.019	--	<200	<400	17J	<20	<400	<2,000	6,000	<100
	7/1/2020	910	2,600	330	6,300	40J	<50	<50	0.0089J	--	<500	240J	<50	<50	<1,000	<5,000	11,000	<250

TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERRY, SOUTH CAROLINA TERRY PROJECT #2171.9L SCDHEC UST PERMIT #02314																			
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-MW9	9/29/2014	0.51J	3.0	0.54J	3.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW10	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	9/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW11	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	9/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
02314-MW12	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/27/2018	190	530	99	460	21	<5.0	<5.0	<0.020	--	<50	77J	<5.0	<5.0	<100	<500	2,400	<25	
	7/1/2020	130	260	74	350	20	<5.0	<5.0	<0.019	--	<50	44J	<5.0	<5.0	<100	<500	1,900	<25	
	9/29/2014	6,400	21,000	1,700	8,600	300	110J	<200	--	--	<2,000	<4,000	240	<200	<4,000	<20,000	5,400	<1,000	
02314-MW13	1/3/2017	3,400	12,000	1,300	9,100	320	<100	<100	--	--	<1,000	<2,000	<100	<100	<2,000	<10,000	10,000	<500	
	3/6/2018	3,400	14,000	1,300	11,000	440	<100	<100	<0.019	--	<1,000	<2,000	66J	<100	<2,000	<10,000	5,100	<500	
	12/27/2018	1,800	4,700	1,800	6,000	340	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	5,500	<250	
	7/1/2020	1,100	3,100	980	3,500	310	<50	<50	<0.020	--	<500	110J	<50	<50	<1,000	<5,000	4,100	<250	
02314-MW13 (DUP)	7/1/2020	1,100	3,300	990	3,600	330	<50	<50	<0.019	--	<500	100J	<50	<50	<1,000	<5,000	4,100	<250	
02314-MW14	9/29/2014	0.89J	5.9	0.99J	6.9	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	100	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	Free Product (0.98 fl.)																	
	12/27/2018	Free Product (0.50 fl.)																	
02314-MW15	9/29/2014	2,800	12,000	750	5,900	120J	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	5,100	<1,000	
	1/3/2017	8,300	37,000	3,200	19,000	570	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	37,000	<1,000	
	3/6/2018	5,300	17,000	2,000	8,600	340	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	10,000	<1,000	
	12/27/2018	5,100	26,000	1,900	13,000	480	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	31,000	<1,000	
	7/1/2020	4,500	28,000	2,100	16,000	490	<200	<200	<0.019	--	<2,000	160J	<200	<200	<4,000	<20,000	24,000	<1,000	
	11/19/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
02314-MW16	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW17	11/6/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	Dry																	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW18	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	11/6/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW18	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	

**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERRY, SOUTH CAROLINA  
TERRY PROJECT #2171.9L  
SCDHEC UST PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	--	5	1,600	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-MW19	11/6/2014	4,100	15,000	1,500	8,500	320	<200	<200	--	--	<2,000	<4,000	<200	<200	4,000	70,000	<4,000	<1,000	
	1/3/2017	5,800	19,000	1,600	8,500	230	<100	<100	--	--	<1,000	<2,000	190	<100	<2,000	1,500,000	5,400	<500	
	3/6/2018	Free Product (0.20 ft.)																	
	12/26/2018	Free Product (>3.0 ft.)																	
02314-MW20	11/6/2014	1,500	3,500	320	2,000	76	41	<20	--	--	<200	<400	68	<20	<400	<2,000	1,500	<100	
	1/3/2017	6,000	19,000	1,600	9,500	220	<100	<100	--	--	<1,000	<2,000	753	<100	<2,000	<10,000	18,000	<500	
	3/6/2018	2,500	3,600	350	4,200	180	<50	<50	<0.019	--	<500	<1,000	433	<50	<1,000	<5,000	4,600	<250	
	12/27/2018	3,500	4,600	840	4,300	220	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	9,900	<250	
02314-MW21	7/1/2020	3,800	11,000	1,500	8,200	300	<100	<100	<0.020	--	<1,000	310J	60J	<100	<2,000	<10,000	12,000	<500	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	6.7J	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	16J	<5.0	
02314-MW22	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	40	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	4.9J	<1.0	<1.0	<20	<100	47	<5.0	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	19	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
02314-MW23	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	2/2/2015	1,600	5,000	540	4,000	<100	<100	<100	<0.019	16	<1,000	<2,000	<100	<100	<2,000	<10,000	2,700	<500	
02314-MW24	1/3/2017	900	2,200	300	2,300	62	<50	<50	--	--	<500	<1,000	<50	<50	<1,000	<5,000	2,300	<250	
	3/6/2018	1,800	5,500	520	3,200	110	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	6,800	<250	
	12/27/2018	1,800	5,900	660	3,900	120	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	6,700	<250	
	7/1/2020	2,000	8,200	750	4,300	150	<100	<100	<0.019	--	<1,000	96J	<100	<100	<2,000	<10,000	7,000	<500	
02314-MW25	2/2/2015	21	<1.0	<1.0	0.81J	<1.0	<1.0	<1.0	<0.019	4.2J	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	4,000	11,000	740	4,000	91J	<100	<100	<0.019	--	<1,000	<2,000	48J	<100	<2,000	<10,000	3,400	<500	
	12/26/2018	2,200	9,400	780	3,900	87J	<100	<100	<0.020	--	<1,000	<2,000	<100	<100	<2,000	<10,000	3,700	<500	
02314-MW26	7/1/2020	3,500	18,000	1,400	7,600	200	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	5,600	<1,000	
	2/2/2015	0.34J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	34	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	220	<5.0	<5.0	90	9.1	<5.0	<5.0	<0.019	--	<50	<100	3.2J	<5.0	<100	<500	620	<25	
02314-MW27	12/27/2018	1,200	41	36	600	82	<10	<10	<0.020	--	<100	110J	16	<10	<200	<1,000	4,500	<50	
	6/30/2020	290	2.5J	<5.0	220	14	<5.0	8.5	<0.019	--	<50	30J	2.0J	<5.0	<100	<500	2,000	<25	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<10	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
02314-MW28	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	2/2/2015	3.1	<1.0	<1.0	3.4	<1.0	<1.0	<1.0	<0.019	9.8J	<10	<20	<1.0	<1.0	<20	<100	24	<5.0	
02314-MW29	1/3/2017	Not Sampled																	
	3/5/2018	240	6.4	4.4J	33	4.8J	<5.0	<5.0	<0.019	--	<50	52J	4.8J	<5.0	<100	<500	1,200	<25	
	12/27/2018	380	7.5	2.2J	28	8.5	<5.0	<5.0	<0.020	--	<50	55J	<5.0	<5.0	<100	<500	1,700	<25	
	7/1/2020	380	<5.0	10	2.2J	2.7J	3.1J	<5.0	<0.020	--	<50	71J	11	<5.0	<100	<500	2,100	<25	
02314-DW1	9/29/2014	0.20J	0.85J	<1.0	0.38J	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	0.42J	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-DW2	12/26/2018	<1.0	0.54J	<1.0	1.1	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	

**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
TERRY PROJECT #2171.9L  
SCDHEC UST PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-DW2	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	13	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	1.7	1.5	<1.0	0.53J	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	1.6	<1.0	2.2	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-DW3	2/2/2015	46	7.8	0.61J	24	1.3	<1.0	<1.0	<0.019	<10	<10	<20	<1.0	<1.0	<20	<100	24	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	0.79J	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	2.1	3.1	0.96J	7.1	1.4	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-RW1	1/3/2017	13,000	43,000	2,800	19,000	550	310J	<500	--	--	280J	<10,000	1,400	<500	<10,000	<50,000	49,000	<2.50	
	3/6/2018	Free Product (0.29 fl.)																	
	12/28/2018	11,000	32,000	1,800	16,000	810	160J	<200	2.8	--	190J	<4,000	1,000	<200	<4,000	770,000	48,000	<1.00	
	7/1/2020	11,000	32,000	1,500	18,000	660	<500	<500	3.3	--	<5,000	660J	710	<500	<10,000	500,000	44,000	<2.50	
	1/3/2017	7,900	24,000	2,200	13,000	280	150J	<200	--	--	<2,000	<4,000	220	<200	<4,000	140,000	15,000	<1.00	
02314-RW2	3/6/2018	Free Product (1.30 fl.)																	
	12/28/2018	7,900	38,000	3,100	17,000	610	<200	<200	<0.019	--	<2,000	<4,000	<200	<200	<4,000	240,000	5,400	<1.00	
	7/1/2020	6,600	20,000	1,900	11,000	400	<200	<200	<0.019	--	<2,000	440J	220	<200	<4,000	51,000	15,000	<1.00	
	1/3/2017	Not Sampled																	
02314-RW3	3/6/2018	1,600	7,500	900	5,000	64J	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	1,300J	<5.00	
	12/27/2018	4,400	18,000	1,500	9,200	280	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	23,000	<5.00	
	7/1/2020	1,200	4,300	400	3,700	95	<50	<50	<0.020	--	<500	100J	<50	<50	<1,000	<5,000	3,600	<2.50	
02314-RW4	12/27/2018	11,000	47,000	3,700	20,000	520	<500	<500	<0.020	--	<5,000	<10,000	<500	<500	<10,000	2,500,000	32,000	<2.50	
	7/1/2020	7,500	24,000	2,100	11,000	280	<200	<200	<0.020	--	<2,000	480J	110J	<200	<4,000	210,000	30,000	<1.00	
02314-RW5	12/27/2018	7,000	31,000	3,600	21,000	630	<200	<200	<0.020	--	<2,000	<4,000	190J	<200	<4,000	490,000	8,700	<1.00	
	7/1/2020	5,500	24,000	2,900	19,000	680	<500	<500	<0.019	--	<5,000	<10,000	<500	<500	<10,000	<50,000	<10,000	<2.50	
02314-RW5 (DUP)	7/1/2020	6,100	25,000	3,200	20,000	740	<500	<500	<0.020	--	<5,000	<10,000	<500	<500	<10,000	<50,000	<10,000	<2.50	
02314-SW1	12/9/2013	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	<5.00	<10.00	<5.00	<5.00	<100.00	<1.000	<20.00	<5.00	
	9/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/27/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-SW2	12/9/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	9/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	150	<20	<5.0	
	12/27/2018	Dry																	
	6/30/2020	Dry																	
02314-WSW1	12/28/2018	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0097	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-WSW1 (DUP)	7/1/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0098	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-FB1	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-FB2	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-TB	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-WSW FB1	7/1/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0099	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-TB	7/1/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	

**NOTES-KEY:**  
 -- = Not tested and analyzed  
 RBSL = Risk-Based Screening Level  
 ug/L = micrograms per liter  
 mg/L = milligrams per liter  
 J = Estimated value  
 P = The RPD between two GC columns exceeds 40%  
 DUP = Duplicate  
 Bold lettering indicates parameter exceeds SCDHEC RBSL's except 1,2-DCA which is based on EPA limit

MTBE = Methyl tertiary butyl ether  
 1,2-DCA = 1,2-Dichloroethane  
 EDB = 1,2-Dibromoethane  
 TAME = tert-amyl methyl ether or tert-amylyl methyl ether  
 TBA = t-butanol or tert-Butyl Alcohol  
 DIPE = diisopropyl Ether or Isopropyl ether

ETBE = Ethyl tert-butyl ether  
 ETBA = ethyl tert-butanol or 3,3-Dimethyl-1-butanol  
 TAA = tert-amylyl alcohol  
 TBF = tert-butyl formate  
 FB = Field Blank  
 TB = Trip Blank

## **J. FIGURES**

### **1. Topographic Map**

Figure 1 Topographic Map - Attached

### **2. Site Base Map**

Figure 2 Site Base Map - Attached

### **3. CoC Site Maps**

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

### **4. Site Potentiometric Maps**

Figure 5A Site Potentiometric Map (Shallow) – Attached

Figure 5B Site Potentiometric Map (Deep) - Attached

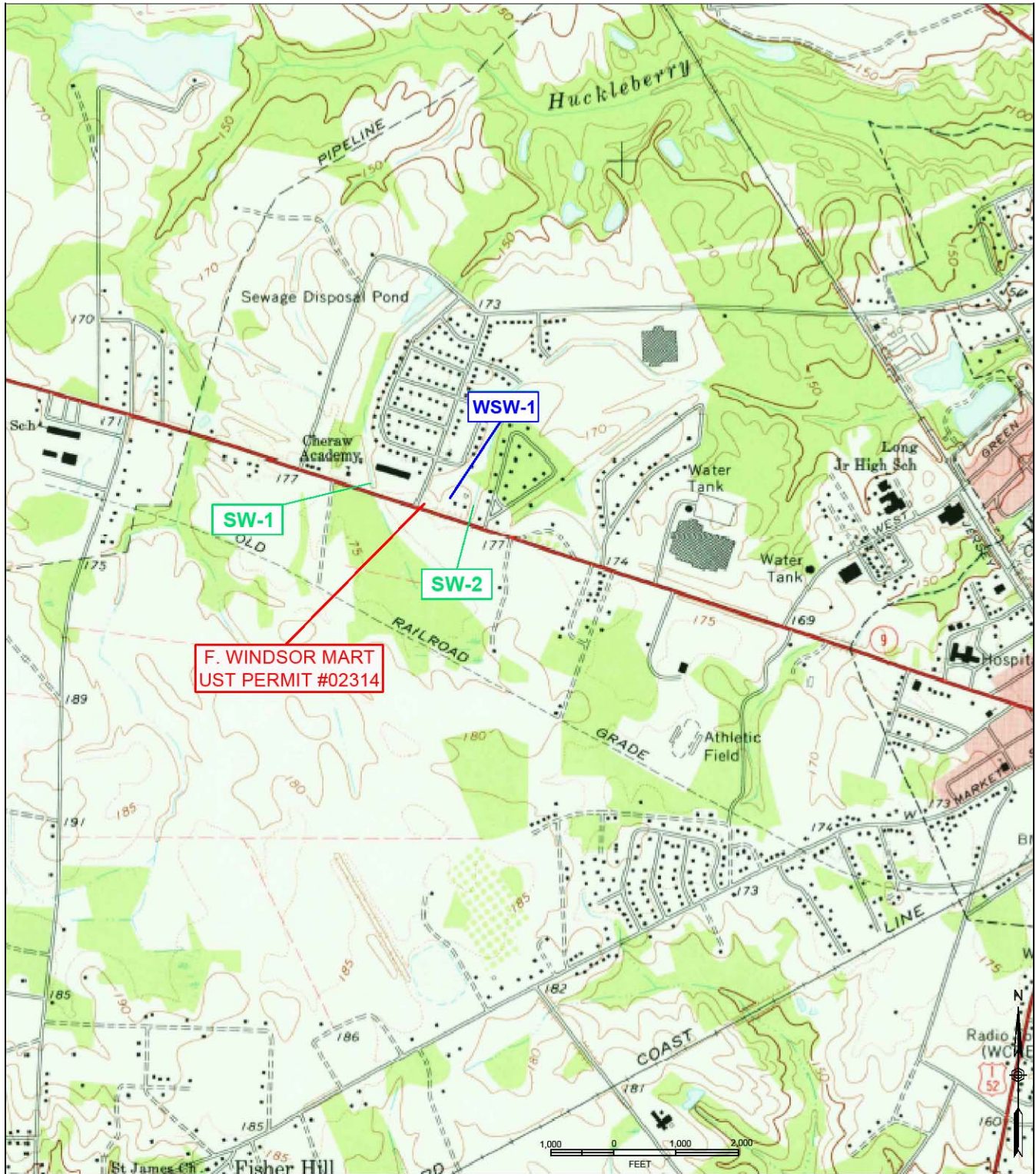
### **5. Geologic Cross Sections**

Figure 6 Geologic Cross Sections - Not Applicable

### **6. Predicted Migration and Attenuation of CoCs**

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable





**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE  
B

TERRY Project No.  
2171.9L

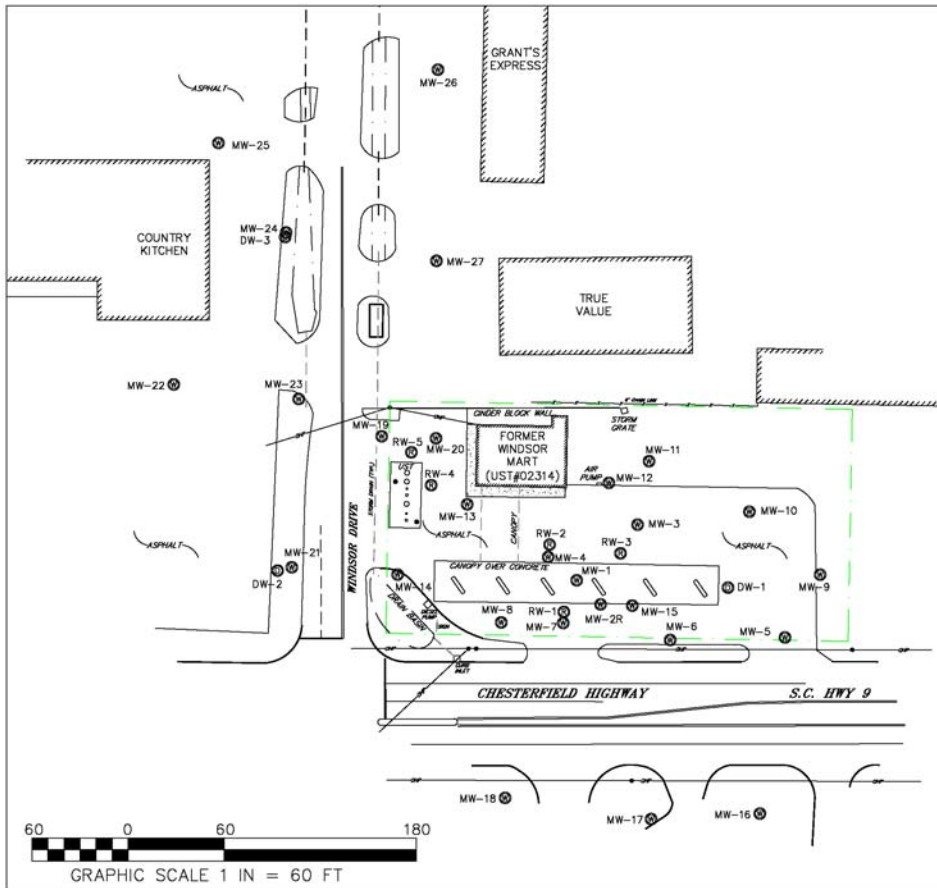
DWG NO.

Figure 1 Topo Map

REV

SCALE: As Shown

DATE: July 2020



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)

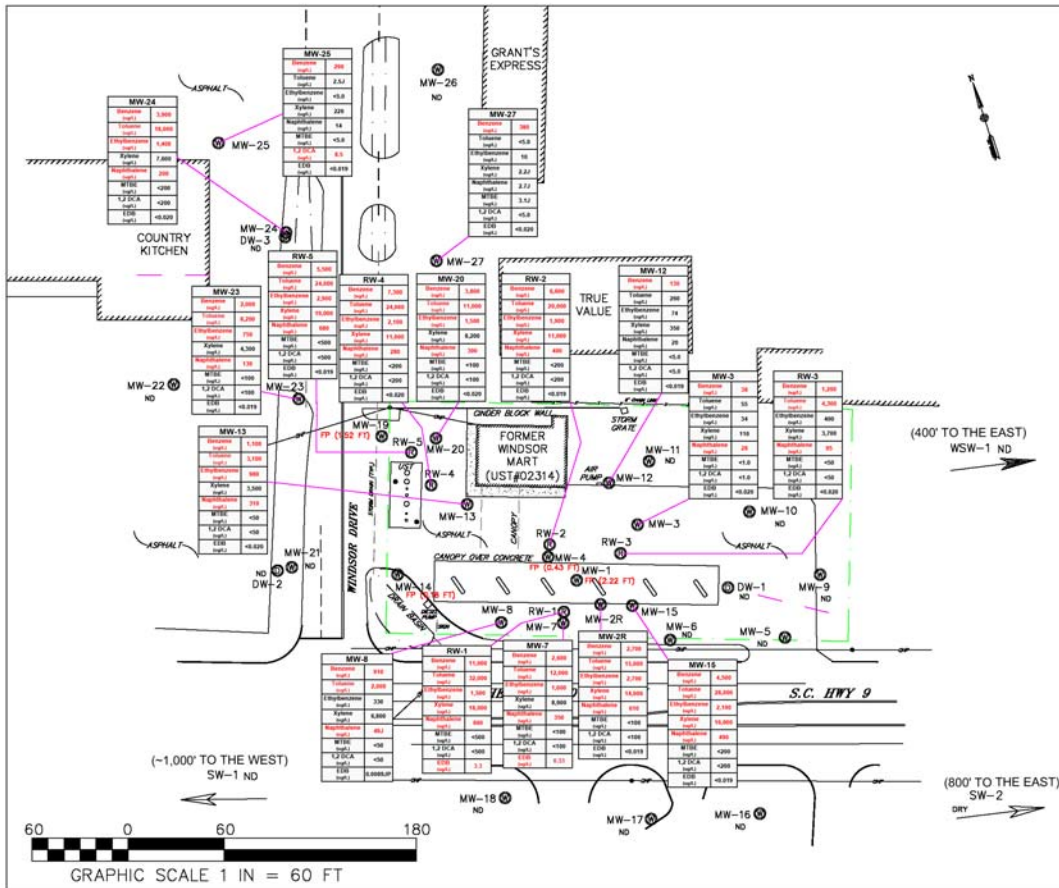


**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9L	02314
SCALE 1" = 60'	DATE July 2020





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# NO MONITORING WELL
- DW-# NO DEEP MONITORING WELL
- RW-# NO RECOVERY WELL
- BUILDING
- FP = FREE PRODUCT
- EDB = 1,2-DIBROMOETHANE
- MTBE = METHYL TERTIARY BUTYL ETHER
- 1,2 DCA = 1,2-DICHLOROETHANE
- J = ESTIMATED VALUE
- RED INDICATES CONTAMINANTS EXCEED RBSLs
- NO = LABORATORY ANALYSIS INDICATES ALL COC AT OR BELOW DETECTION LIMITS
- SAMPLES COLLECTED JUNE 30 & JULY 1, 2020
- ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #02314 (i.e. 02314-MW 1)

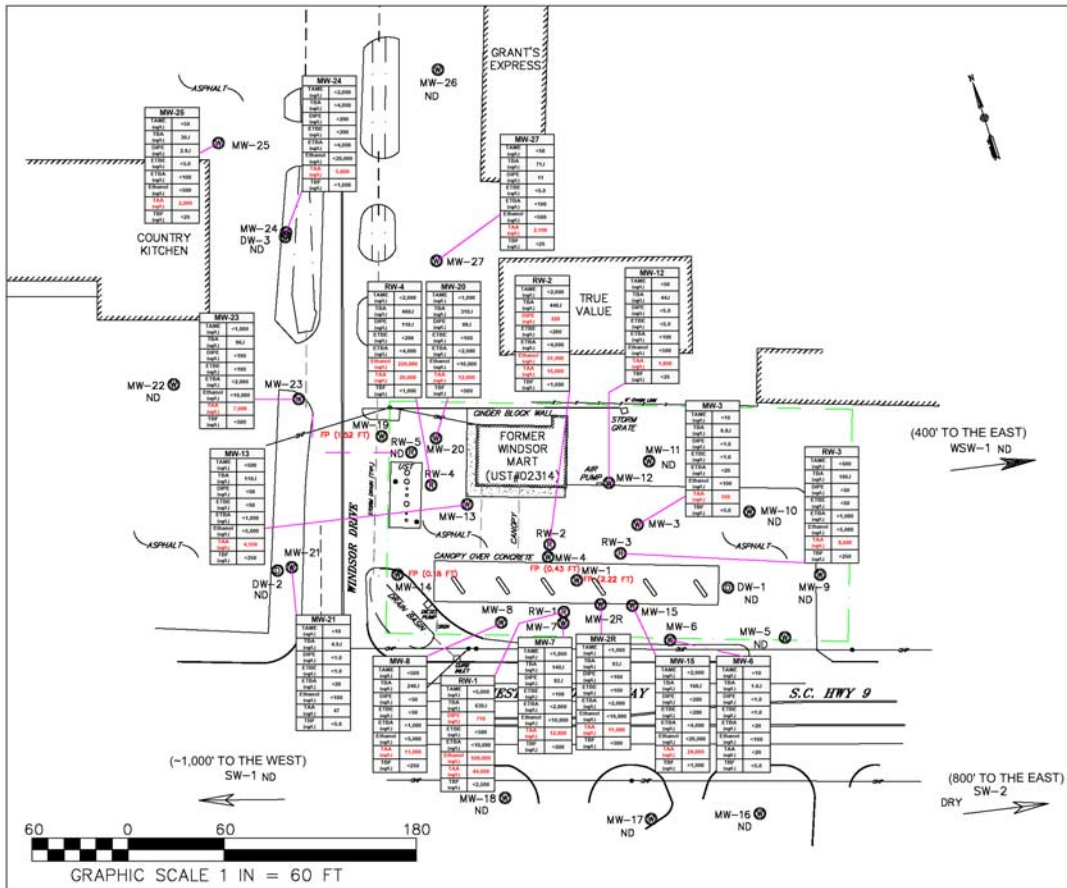


**FIGURE 4A  
GROUNDWATER COC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9L	02314
SCALE	DATE
1" = 60'	July 2020





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- /////// BUILDING

FP = FREE PRODUCT  
TAME = TERT-AMYL METHYL ETHER  
TBA = TERT-BUTYL ALCOHOL or T-BUTANOL  
DIPE = ISOPROPYL ETHER or DISOPROPYL ETHER  
ETBE = ETHYL TERT-BUTYL ETHER  
ETBA = 3,3-DIMETHYL-1-BUTANOL OR ETHYL-TERT-BUTANOL  
TAA = TERT-AMYL ALCOHOL  
TBF = TERT-BUTYL FORMATE  
J = ESTIMATED VALUE

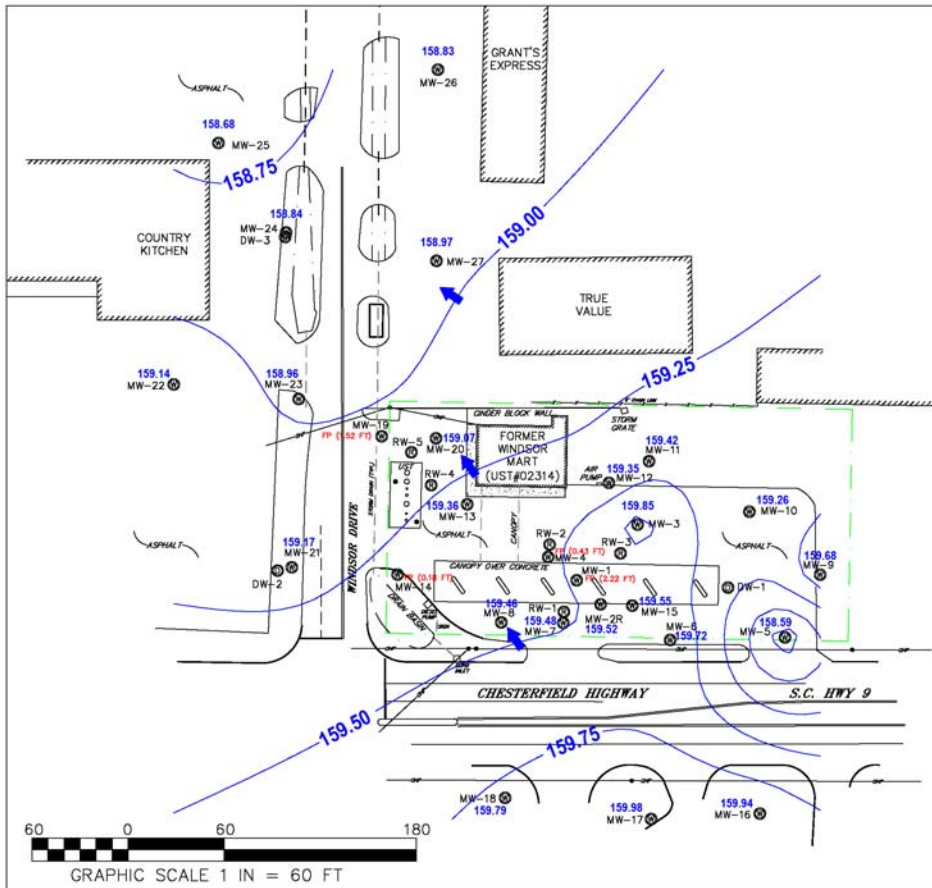
RED INDICATES CONTAMINANTS EXCEED RBSLs  
ND = LABORATORY ANALYSIS INDICATES ALL COC AT OR BELOW DETECTION LIMITS  
SAMPLES COLLECTED JUNE 30 & JULY 1, 2020  
ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #02314 (i.e. 02314-MW 1)

**TERRY ENVIRONMENTAL SERVICES**  
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**FIGURE 4B  
GROUNDWATER COC MAP  
OXYGENATES**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCONEC SITE ID #
2171.9L	02314
SCALE 1" = 60'	DATE July 2020



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)

FP = FREE PRODUCT

159.52 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)

-159.50- GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

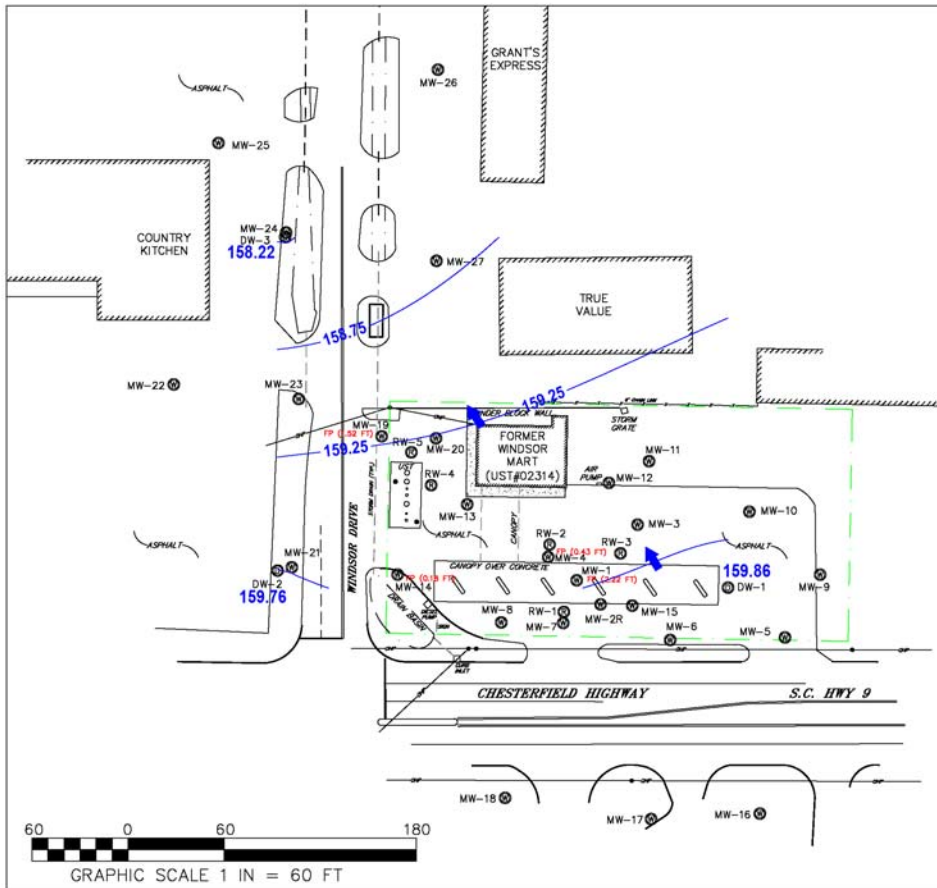
MEASUREMENTS COLLECTED ON JUNE 30 & JULY 1, 2020



**FIGURE 5A  
SITE POTENTIOMETRIC MAP (SHALLOW)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCOHCC SITE ID #
2171.9L	02314
SCALE 1" = 60'	DATE July 2020



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)

- FP** = FREE PRODUCT
  - 159.86** GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
  - 159.25-** GROUNDWATER CONTOUR
  - GROUNDWATER FLOW DIRECTION
- MEASUREMENTS COLLECTED ON JUNE 30 & JULY 1, 2020



**FIGURE 5B  
SITE POTENTIOMETRIC MAP (DEEP)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9L	02314
SCALE 1" = 60'	DATE July 2020

## **K. APPENDICES**

### **1. Appendix A: Site Survey**

Not Applicable

### **2. Appendix B: Sampling Logs and Laboratory Data**

### **3. Appendix C: Tax Map**

Not Applicable

### **4. Appendix D: Soil Boring/Field Screening Logs**

Not Applicable

### **5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms**

Not Applicable

### **6. Appendix F: Aquifer Evaluation Forms**

Not Applicable

### **7. Appendix G: Disposal Manifest**

### **8. Appendix H: Local Zoning Regulations**

Not Applicable

### **9. Appendix I: Fate and Transport Modeling Data**

Not Applicable

### **10. Appendix J: Access Agreements**

Not Applicable

### **11. Appendix K: Data Verification Checklist**

**APPENDIX A**

**Site Survey  
(Not Applicable)**

## **APPENDIX B**

### **Sampling Logs and Laboratory Data**

**Groundwater Sampling Log**



**TERRY Environmental Services**  
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P.O. Box 25  
 Summerville, SC 29484  
 1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - <u>MW-1</u>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		<u>7/1/2020</u>					
Field Personnel		<u>LJ CM</u>		Well Diameter		<u>2</u>	in
General Weather		<u>clear</u>		Screened Interval		<u>16-20</u>	ft
Ambient Air Temperature		<u>90</u>		Total Well Depth (nearest 0.1')		<u>-</u>	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		<u>16.05</u>	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
Well Condition Information				Additional Comments			
-overall condition acceptable?				<u>FP 13.83-16.05 = 2.22' FP</u>			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

NS Free Product



### Groundwater Sampling Log



**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-2R		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		7/1/2020						
Field Personnel		LJCM		Well Diameter		2	in	
General Weather		cloudy		Screened Interval		10.3-20.3	ft	
Ambient Air Temperature		50		Total Well Depth (nearest 0.1')		19.8	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		5.40	ft
Serial Number	VTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.88	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		2.64	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		3	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer/pump)			
Last Calibration (time)	0815		Last Verification (time)		Well Yield			19.8
				Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>				
Volume (gal)	initial	1	2	3				
Time (military)	1206	1208	1211	1213				
pH (su)	5.12	5.28	5.25	5.30				
Spec Conductivity (mS/cm)	0.108	0.103	0.103	0.100				
Water Temperature (°C)	23.8	23.4	23.2	22.8				
Turbidity (NTU)	0.0	321	347	348				
Dissolved Oxygen (mg/L)	5.00	3.55	3.45	3.40				
Well Condition Information				Additional Comments				
-overall condition acceptable?				heavy petrol sheen				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-3	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		6/30/2020					
Field Personnel		LJ, CM		Well Diameter		2	in
General Weather		cloudy		Screened Interval		10-20	ft
Ambient Air Temperature		85		Total Well Depth (nearest 0.1')		19.5	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		11.58	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		7.92	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.29	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		3.87	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		4.5	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey, pump)			
Last Calibration (time)	1145	Last Verification (time)	1945	Well Yield		Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>
Volume (gal)	initial	1.5	3	4.5			TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Time (military)	2008	2016	2020	2026			
pH (su)	5.87	5.90	5.92	5.85			
Spec Conductivity (mS/cm)	0.445	0.290	0.279	0.278			
Water Temperature (°C)	24.0	22.8	22.7	22.9			
Turbidity (NTU)	1.87	88.3	92.4	87.2			
Dissolved Oxygen (mg/L)	3.48	3.91	3.96	3.80			
Well Condition Information				Additional Comments			
-overall condition acceptable?				sample 2036			
-well cap acceptable?							
-manhole and cover acceptable?				>1' deep vault - sediment above cap, full of liquid			
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-4	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJ CM		Well Diameter		2	in
General Weather		clear		Screened Interval		10-20	ft
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		—	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		14.18	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
Well Condition Information				Additional Comments			
-overall condition acceptable?				13.75-14.18 - Free Product (0.43')			
-well cap acceptable? <i>replaced</i>							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-5		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		6/30/2020						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		9.9-19.9	ft	
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		19.9	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		16.38	ft	
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		3.52	ft	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.57	ft	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		1.72	gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		2.25	gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				19.9
Last Calibration (time)	1145	Last Verification (time)		Well Yield		Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)	initial	0.75	1.5	2.25				
Time (military)	1358	1403	1407	1409				
pH (su)	4.76	4.95	4.94	4.98				
Spec Conductivity (mS/cm)	0.140	0.143	0.142	0.142				
Water Temperature (°C)	22.4	24.6	24.1	24.1				
Turbidity (NTU)	0.6	2.09	2.02	2.07				
Dissolved Oxygen (mg/L)	5.85	4.33	4.28	4.21				
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?				well in entrance to station				
-other comments								



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-6		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		6/30/2020						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		10.1-20.1	ft	
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		20.1	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		14.85	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		5.25	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.86	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		2.57	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		3	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (hailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield			20.1
				<input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High				
Volume (gal)	initial	1	2	3				
Time (military)	1433	1435	1438	1442				
pH (su)	4.31	4.35	4.44	4.39				
Spec Conductivity (mS/cm)	0.058	0.049	0.049	0.049				
Water Temperature (°C)	28.0	25.2	24.3	24.2				
Turbidity (NTU)	2.1	49.2	44.8	46.6				
Dissolved Oxygen (mg/L)	3.88	2.11	2.10	2.05				
Well Condition Information				Additional Comments				
-overall condition acceptable?				Yes				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-7	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1 /2020					
Field Personnel		LJ CM		Well Diameter		2	in
General Weather		cloudy		Screened Interval		10.3-20.3	ft
Ambient Air Temperature		50		Total Well Depth (nearest 0.1')		20.3	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		14.72	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	5.58	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.91	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	2.73	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	4	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey, pump)		
Last Calibration (time)	0415		Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>
						High <input type="checkbox"/>	20.3
Volume (gal)	initial	1	2	3	4		
Time (military)	1117	1121	1123	1126	1130		
pH (su)	4.78	5.09	5.27	5.26	5.33		
Spec Conductivity (mS/cm)	0.090	0.121	0.146	0.145	0.142		
Water Temperature (°C)	23.4	23.2	23.0	22.0	22.8		
Turbidity (NTU)	0.0	103	205	198	191		
Dissolved Oxygen (mg/L)	7.04	4.34	1.31	1.19	1.35		
Well Condition Information				Additional Comments			
-overall condition acceptable?				light sheen			
-well cap acceptable?				petrol			
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.9L			Well ID	02314 - MW-8			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	7/1/2020							
Field Personnel	LJ, CM			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	cloudy			Screened Interval	10.3-20.3	ft		
Ambient Air Temperature	80			Total Well Depth (nearest 0.1')	20.3	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	14.33	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	5.97		ft
Serial Number	VPTGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.97		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	2.92	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	5	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	203	
Volume (gal)	initial	1	2	3	4	5		
Time (military)	1100	1105	1106	1108	1110	1115		
pH (su)	4.83	4.87	5.00	5.17	5.28	5.42		
Spec Conductivity (mS/cm)	0.072	0.072	0.077	0.087	0.097	0.116		
Water Temperature (°C)	23.2	23.1	22.7	22.7	22.5	22.7		
Turbidity (NTU)	44.6	106	78.2	5.7	9.9	3.2		
Dissolved Oxygen (mg/L)	2.05	2.49	2.21	2.02	1.93	1.57		
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - <u>MW-9</u>		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		<u>6/30/2020</u>						
Field Personnel		<u>LJ</u>		Well Diameter		<u>2</u>	in	
General Weather		<u>Clear</u>		Screened Interval		<u>9.9-19.9</u>	ft	
Ambient Air Temperature		<u>90</u>		Total Well Depth (nearest 0.1')		<u>19.9</u>	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		<u>13.04</u>	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		<u>6.86</u>	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		<u>1.12</u>	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		<u>3.35</u>	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		<u>6.25</u>	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized		<u>(bailer, pump)</u>	
Last Calibration (time)	<u>1145</u>		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	<u>19.9</u>
Volume (gal)	<u>initial</u>	<u>1.25</u>	<u>2.5</u>	<u>3.75</u>	<u>5</u>	<u>6.25</u>		
Time (military)	<u>1328</u>	<u>1330</u>	<u>1335</u>	<u>1337</u>	<u>1341</u>	<u>1347</u>		
pH (su)	<u>4.43</u>	<u>4.19</u>	<u>4.15</u>	<u>4.25</u>	<u>4.07</u>	<u>4.22</u>		
Spec Conductivity (mS/cm)	<u>0.130</u>	<u>0.129</u>	<u>0.120</u>	<u>0.122</u>	<u>0.135</u>	<u>0.131</u>		
Water Temperature (°C)	<u>25.4</u>	<u>23.2</u>	<u>21.9</u>	<u>21.8</u>	<u>21.4</u>	<u>21.4</u>		
Turbidity (NTU)	<u>7.1</u>	<u>3.21</u>	<u>4.27</u>	<u>4.83</u>	<u>4.70</u>	<u>1.25</u>		
Dissolved Oxygen (mg/L)	<u>6.51</u>	<u>5.37</u>	<u>6.52</u>	<u>6.19</u>	<u>5.92</u>	<u>6.04</u>		
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information					Monitoring Well Information				
Terry Project ID		2171.9L			Well ID		02314 - MW-10		
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		6/30/2020							
Field Personnel		LJ			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather		Clear			Screened Interval		10.3-20.3	ft	
Ambient Air Temperature		90			Total Well Depth (nearest 0.1')		20.4	ft	
Quality Assurance					Depth to Groundwater (nearest 0.01')		12.83	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		7.57	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.23	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		3.70	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		5	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	Initial	1.25	2.5	3.75	5				20.4
Time (military)	1526	1528	1531	1536	1543				
pH (su)	4.35	4.11	4.27	4.28	4.29				
Spec Conductivity (mS/cm)	0.065	0.074	0.083	0.084	0.084				
Water Temperature (°C)	27.0	24.7	23.9	23.9	24.0				
Turbidity (NTU)	6.4	124	289	291	277				
Dissolved Oxygen (mg/L)	4.60	5.62	4.32	4.24	4.18				
Well Condition Information					Additional Comments				
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-11		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		6/30/2020		Well Diameter		2	in	
Field Personnel		LJ		Screened Interval		10.1-20.1	ft	
General Weather		clear		Total Well Depth (nearest 0.1')		12.65	ft	
Ambient Air Temperature		90		Depth to Groundwater (nearest 0.01')		20.1	ft	
Quality Assurance				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		7.45	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.21	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		3.64	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		6.25	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1545		Last Verification (time)	1545	Well Yield			20.1
					Low	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>
					High	<input type="checkbox"/>		
Volume (gal)	initial	1.25	2.5	3.75	5	6.25		
Time (military)	1556	1600	1605	1611	1616	1620		
pH (su)	4.43	4.36	4.47	4.27	4.37	4.40		
Spec Conductivity (mS/cm)	0.091	0.099	0.101	0.102	0.102	0.099		
Water Temperature (°C)	25.0	23.2	22.8	22.1	22.3	23.0		
Turbidity (NTU)	11.3	13.4	38.6	39.2	37.3	53.5		
Dissolved Oxygen (mg/L)	7.24	6.34	5.33	4.56	3.94	3.13		
Well Condition Information				Additional Comments				
-overall condition acceptable?				Yes				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information					
Terry Project ID		2171.9L		Well ID		02314 - MW-12			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		7/11/2020							
Field Personnel		LJ CM		Well Diameter		2	in		
General Weather		cloudy		Screened Interval		10.3-20.3	ft		
Ambient Air Temperature		50		Total Well Depth (nearest 0.1')		20.3	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')		13.19	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		7.11	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.16	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		3.48	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		5	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized		(bailer/pump)		
Last Calibration (time)	0815		Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	initial	1.25	2.5	3.75	5				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Time (military)	0823	0830	0832	0835	0838				
pH (su)	5.20	5.29	5.38	5.35	5.41				
Spec Conductivity (mS/cm)	0.121	0.124	0.141	0.148	0.144				
Water Temperature (°C)	22.7	22.3	21.8	21.7	21.5				
Turbidity (NTU)	0.0	30.8	365	350	331				
Dissolved Oxygen (mg/L)	2.92	1.78	2.01	1.89	1.85				
Well Condition Information				Additional Comments					
-overall condition acceptable?				FB-2 0800					
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**

 <b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605							
				<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9L		Well ID		02314 - <u>MW-13</u>					
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB					
Project Name		Maruti Kundal (Former Windsor Mart)									
Date		7/1/2020									
Field Personnel		LJ, CM		Well Diameter		2		TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
General Weather		clear		Screened Interval		10.3-20.3					
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		20.1					
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		13.28					
				Length of Water Column		6.82					
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)		1.11				
Serial Number	VPTGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)		3.33				
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged		6.25				
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)						
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>		20.1		
Last Calibration (time)	0915		Last Verification (time)	1615							
Volume (gal)	initial	1.25	2.5	3.75	5	6.25					
Time (military)	1648	1630	1633	1636	1639	1643					
pH (su)	5.17	5.14	5.32	5.38	5.42	5.38					
Spec Conductivity (mS/cm)	0.143	0.103	0.111	0.118	0.124	0.140					
Water Temperature (°C)	25.5	24.0	23.6	23.9	23.1	23.7					
Turbidity (NTU)	0.0	339	475	221	293	83.5					
Dissolved Oxygen (mg/L)	4.10	3.70	4.67	2.69	3.00	2.42					
<b>Well Condition Information</b>					<b>Additional Comments</b>						
-overall condition acceptable?											
-well cap acceptable?					dup 1645						
-manhole and cover acceptable?											
-well pad acceptable?											
-area safe?											
-other comments											



**Groundwater Sampling Log**

				P.O. Box 25 Summerville, SC 29484 1-800-325-0605			
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9L		Well ID		02314 - MW-14	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJ CM		Well Diameter		2	in
General Weather		clear		Screened Interval		10.3-20.3	ft
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		-	ft
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		13.70	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?				Free product 13.52-13.70			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-15	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/7/2020					
Field Personnel		LJ, CM		Well Diameter		2	in
General Weather		clear		Screened Interval		10.3-20.3	ft
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		20.3	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		14.90	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	6.00	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.98	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	2.93	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	5	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	0815		Last Verification (time)	1215	Well Yield	Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>
						High <input type="checkbox"/>	20.3
Volume (gal)	initial	1	2	3	4	5	
Time (military)	1421	1428	1431	1434	1437	1441	
pH (su)	4.60	4.52	4.74	5.09	5.19	5.33	
Spec Conductivity (mS/cm)	0.060	0.059	0.066	0.093	0.120	0.126	
Water Temperature (°C)	23.4	23.4	23.2	23.2	23.6	23.6	
Turbidity (NTU)	0.0	33.3	41.1	39.7	35.0	15.7	
Dissolved Oxygen (mg/L)	3.54	3.24	2.08	3.88	4.02	3.83	
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.9L			Well ID	02314 - MW-16			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	6/30/2020							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	16-26	ft		
Ambient Air Temperature	85			Total Well Depth (nearest 0.1')	25.8	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	17.03	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	8.77		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	1.43		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	4.29	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	7.5	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	25.8	
Volume (gal)	initial	1.5	3	4.5	6	7.5		
Time (military)	1248	1251	1255	1257	1300	1303		
pH (su)	4.31	4.06	4.22	4.08	4.18	4.20		
Spec Conductivity (mS/cm)	0.145	0.102	0.105	0.110	0.110	0.109		
Water Temperature (°C)	24.2	22.9	23.6	22.7	22.9	23.0		
Turbidity (NTU)	1.4	1.64	1.88	1.47	1.37	1.30		
Dissolved Oxygen (mg/L)	7.51	7.15	6.80	6.58	5.44	5.38		
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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					<b>Site Specific Information</b>					<b>Monitoring Well Information</b>	
Terry Project ID		2171.9L			Well ID		02314 - MW-17			TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB				
Project Name		Maruti Kundal (Former Windsor Mart)									
Date		6/30/2020									
Field Personnel		LJ			Well Diameter		2	in			
General Weather		clear			Screened Interval		10.4-20.4	ft			
Ambient Air Temperature		85			Total Well Depth (nearest 0.1')		20.4	ft			
<b>Quality Assurance</b>					Depth to Groundwater (nearest 0.01')		16.15	ft			
Meter	Horiba U-52-2		Meter	Horiba U-52-2		Length of Water Column		4.25	ft		
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9		1 Casing Volume (0.163)		0.69	ft		
Calibration Constant	4.00 su		Calibration Constant	4.00 su		3 Casing Volumes (0.489)		2.08	gals		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm		Total Volume Purged		4	gals		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU		Purge Technique Utilized (bailey, pump)					
Last Calibration (time)	1145		Last Verification (time)			Well Yield		Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>	
Volume (gal)	initial	0.75	1.5	3.25	4						
Time (military)	1230	1234	1238	1240	1246						
pH (su)	4.65	4.35	4.24	4.33	4.27						
Spec Conductivity (mS/cm)	0.123	0.129	0.129	0.132	0.131						
Water Temperature (°C)	25.9	23.9	23.3	23.2	23.5						
Turbidity (NTU)	1.0	2.74	2.71	2.58	2.51						
Dissolved Oxygen (mg/L)	7.10	5.92	5.53	5.33	5.37						
<b>Well Condition Information</b>					<b>Additional Comments</b>						
-overall condition acceptable?					covered by mulch						
-well cap acceptable?											
-manhole and cover acceptable?											
-well pad acceptable?											
-area safe?											
-other comments											

**Groundwater Sampling Log**




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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-18		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		6/30/2020						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		14.6-24.6	ft	
Ambient Air Temperature		85		Total Well Depth (nearest 0.1')		24.5	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		15.80	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		8.70	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.42	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.25	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		6	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	24.5
Volume (gal)	initial	1.5	3	4.5	6			
Time (military)	1157	1203	1208	1214	1219			
pH (su)	4.75	4.39	4.48	4.40	4.46			
Spec Conductivity (mS/cm)	0.175	0.097	0.087	0.083	0.093			
Water Temperature (°C)	26.1	24.4	24.6	23.9	24.1			
Turbidity (NTU)	42.1	2.78	4.51	4.38	4.33			
Dissolved Oxygen (mg/L)	7.79	7.71	5.27	5.24	5.19			
Well Condition Information				Additional Comments				
-overall condition acceptable?				FB-1 @ 1140				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**

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				<b>Site Specific Information</b>			<b>Monitoring Well Information</b>
Terry Project ID		2171.9L		Well ID		02314 - <u>MW-14</u>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		<u>7/1/2020</u>		Well Diameter		<u>2</u> in	
Field Personnel		<u>LJ, CM</u>		Screened Interval		<u>12.3-22.3</u> ft	
General Weather		<u>clear</u>		Total Well Depth (nearest 0.1')		<u>7</u> ft	
Ambient Air Temperature		<u>90</u>		Depth to Groundwater (nearest 0.01')		<u>13.42</u> ft	
<b>Quality Assurance</b>				Length of Water Column _____ ft 1 Casing Volume (0.163) _____ ft 3 Casing Volumes (0.489) _____ gals Total Volume Purged _____ gals			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Purge Technique Utilized (bailer, pump)		
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Calibration Constant	4.00 su		Calibration Constant	4.00 su	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm			
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU			
Last Calibration (time)			Last Verification (time)		_____		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?				<u>Free Product 11.90-13.42</u>			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-20		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		7/1/2020						
Field Personnel		LJ CM		Well Diameter		2	in	
General Weather		clear		Screened Interval		12.2-22.2	ft	
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		21.9	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		9.15	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.49	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.47	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		7.5	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey, pump)			21.9
Last Calibration (time)	0815		Last Verification (time)		Well Yield Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial	1.5	3	4.5	6	7.5		
Time (military)	1624	1650	1653	1658	1700	1707		
pH (su)	4.27	4.46	4.56	4.64	4.69	4.76		
Spec Conductivity (mS/cm)	0.159	0.154	0.150	0.131	0.129	0.137		
Water Temperature (°C)	24.4	24.7	23.3	23.8	23.4	24.6		
Turbidity (NTU)	2.8	4.83	4.29	4.22	4.08	4.68		
Dissolved Oxygen (mg/L)	3.41	4.04	6.77	4.00	3.04	3.72		
Well Condition Information				Additional Comments				
-overall condition acceptable?				Yes				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

**Groundwater Sampling Log**




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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-21	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		6/30/2020					
Field Personnel		LJ CM		Well Diameter		2	in
General Weather		clear		Screened Interval		137-237	ft
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		23.8	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield		
				Low <input type="checkbox"/>		Medium <input checked="" type="checkbox"/>	
				High <input type="checkbox"/>		23.8	
Volume (gal)	initial	1.5	3	4.5	6		
Time (military)	1848	1853	1903	1907	1911		
pH (su)	4.18	4.43	4.05	4.12	4.13		
Spec Conductivity (mS/cm)	0.088	0.085	0.089	0.089	0.089		
Water Temperature (°C)	24.2	23.0	23.2	22.9	23.0		
Turbidity (NTU)	18.2	83.4	131	128	120		
Dissolved Oxygen (mg/L)	1.96	1.33	2.38	2.27	2.20		
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



### Groundwater Sampling Log

 <b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>					P.O. Box 25 Summerville, SC 29484 1-800-325-0605					
Site Specific Information					Monitoring Well Information					
Terry Project ID		2171.9L			Well ID		02314 - MW-22			
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)								
Date		6/30/2020								
Field Personnel		LJ			Well Diameter		2		TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		clear			Screened Interval		12-22			
Ambient Air Temperature		90			Total Well Depth (nearest 0.1')		21.7			
Quality Assurance					Depth to Groundwater (nearest 0.01')		12.91			
Meter		Horiba U-52-2	Meter		Horiba U-52-2	Length of Water Column		8.99		
Serial Number		VPTPGA3X	or		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.45	
Calibration Constant		4.00 su			Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.35	
Calibration Constant		4.49 mS/cm			Calibration Constant	4.49 mS/cm	Total Volume Purged		6	
Calibration Constant		0.0 NTU			Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			21.7
Last Calibration (time)		1145			Last Verification (time)	1545	Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)		initial	1.5	3	4.5	6				
Time (military)		1740	1743	1747	1752	1800				
pH (su)		3.69	3.88	3.94	3.94	3.95				
Spec Conductivity (mS/cm)		0.175	0.110	0.101	0.096	0.095				
Water Temperature (°C)		25.6	24.1	23.6	23.3	23.2				
Turbidity (NTU)		168	229	487	456	477				
Dissolved Oxygen (mg/L)		4.67	5.05	3.84	3.82	3.40				
Well Condition Information					Additional Comments					
-overall condition acceptable?					yes					
-well cap acceptable?										
-manhole and cover acceptable?										
-well pad acceptable?										
-area safe?										
-other comments										

**Groundwater Sampling Log**



**TERRY Environmental Services**  
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P.O. Box 25  
 Summerville, SC 29484  
 1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-23	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJ, CM		Well Diameter		2	in
General Weather		cloudy		Screened Interval		11.2-21.2	ft
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		21.2	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		9.13	ft
Serial Number	VTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.49	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.46	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		4.5	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)		Well Yield Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial	1.5	3	4.5	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'		
Time (military)	1025	1029	1031	1036			
pH (su)	5.02	5.04	5.07	5.04			
Spec Conductivity (mS/cm)	0.072	0.071	0.072	0.072			
Water Temperature (°C)	23.1	22.4	22.2	22.1			
Turbidity (NTU)	162	429	437	433			
Dissolved Oxygen (mg/L)	1.32	1.84	1.83	1.71			
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-24	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020		Well Diameter		2	in
Field Personnel		LJ, CM		Screened Interval		11-21	ft
General Weather		cloudy - rain		Total Well Depth (nearest 0.1')		20.7	ft
Ambient Air Temperature		80		Depth to Groundwater (nearest 0.01')		10.94	ft
Quality Assurance				Length of Water Column		9.76	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)	1.59	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)	4.77	gals
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged	8.75	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailler pump)		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield    Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/> 20.7		
Last Calibration (time)	0915		Last Verification (time)				
Volume (gal)	initial	1.75	3.5	5.25	7	8.75	
Time (military)	0947	0950	0954	0957	1000	1004	
pH (su)	5.04	5.34	5.44	5.54	5.57	5.68	
Spec Conductivity (mS/cm)	0.045	0.093	0.111	0.132	0.136	0.200	
Water Temperature (°C)	21.8	21.7	21.5	21.5	21.3	21.8	
Turbidity (NTU)	121	374	408	422	351	329	
Dissolved Oxygen (mg/L)	2.34	1.98	1.87	1.71	2.29	2.11	
Well Condition Information				Additional Comments			
-overall condition acceptable?				moderate odor			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-25	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJ CM		Well Diameter		2	in
General Weather		cloudy		Screened Interval		11-21	ft
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		20.9	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		11.40	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	9.50	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	1.55	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	4.65	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	5.25	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	0915		Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>
						High <input type="checkbox"/>	20.9
Volume (gal)	initial	1.75	3.5	5.25			
Time (military)	0930	0932	0935	0942			
pH (su)	4.45	4.18	4.15	4.13			
Spec Conductivity (mS/cm)	0.114	0.107	0.101	0.101			
Water Temperature (°C)	22.8	22.7	22.1	22.2			
Turbidity (NTU)	1.61	4.93	4.89	4.79			
Dissolved Oxygen (mg/L)	1.90	1.59	1.57	1.66			
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - MW-26		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		6/30/2020						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		10.4-20.4	ft	
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		19.8	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		9.42	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.54	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.61	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		8.75	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailed, pump)			19.8
Last Calibration (time)	1145		Last Verification (time)	1345	Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)	initial	1.75	3.5	5.25	7	8.75		
Time (military)	1633	1638	1643	1647	1649	1656		
pH (su)	4.38	4.35	4.33	4.23	4.10	4.17		
Spec Conductivity (mS/cm)	0.058	0.057	0.058	0.057	0.057	0.057		
Water Temperature (°C)	24.5	23.5	23.0	22.6	22.5	22.6		
Turbidity (NTU)	71.9	493	309	289	126	126		
Dissolved Oxygen (mg/L)	6.61	2.62	2.07	3.33	3.44	3.01		
Well Condition Information				Additional Comments				
-overall condition acceptable?				YES				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - MW-27	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1 /2020					
Field Personnel		LJ CM		Well Diameter		2	in
General Weather		cloudy		Screened Interval		10-20	ft
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		20.0	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		9.98	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		10.02	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.63	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.90	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		5.25	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>
						High <input type="checkbox"/>	200
Volume (gal)	Initial	1.75	3.5	5.25			
Time (military)	0845	0851	0858	0901			
pH (su)	5.01	4.43	4.42	4.35			
Spec Conductivity (mS/cm)	0.037	0.047	0.050	0.051			
Water Temperature (°C)	23.5	22.3	22.1	21.8			
Turbidity (NTU)	64.7	498	477	472			
Dissolved Oxygen (mg/L)	3.14	2.22	2.13	2.10			
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - DW-1		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		6/30/2020						
Field Personnel		LJ CM		Well Diameter		2	in	
General Weather		cloudy		Screened Interval		49.6-54.6	ft	
Ambient Air Temperature		85		Total Well Depth (nearest 0.1')		54.6	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		13.73	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		40.87	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		6.60	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		19.99	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		2.8	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			54.6
Last Calibration (time)	1/4/5		Last Verification (time)	1/4/5	Well Yield    Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial	7	17	21	28			
Time (military)	1951	2015	2030	2041	2049			
pH (su)	6.45	6.71	6.70	6.13	6.06			
Spec Conductivity (mS/cm)	0.219	0.163	0.121	0.115	0.115			
Water Temperature (°C)	24.3	23.2	22.6	22.8	22.8			
Turbidity (NTU)	153	263	7.9	11.0	0.0			
Dissolved Oxygen (mg/L)	2.74	2.87	2.73	2.60	2.64			
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?				not sealing well when 1st opened				
-manhole and cover acceptable?				-sediment up to TOC				
-well pad acceptable?								
-area safe?								
-other comments								

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - DW-2	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		6/30/2020		Well Diameter		2	in
Field Personnel		LJ, CM		Screened Interval		44.6-49.6	ft
General Weather		Clear		Total Well Depth (nearest 0.1')		49.5	ft
Ambient Air Temperature		90		Depth to Groundwater (nearest 0.01')		14.61	ft
Quality Assurance				Length of Water Column		34.89	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)	5.69	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)	17.05	gals
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged	9.25	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield    Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Last Calibration (time)	1145		Last Verification (time)	1545	49.5		
Volume (gal)	initial	6	8.25				
Time (military)	1915	1920	1924	1935			
pH (su)	5.22	5.26	5.27	5.31			
Spec Conductivity (mS/cm)	0.064	0.062	0.048	0.048			
Water Temperature (°C)	23.2	23.6	24.0	24.1			
Turbidity (NTU)	12.5	10.6	4.87	3.99			
Dissolved Oxygen (mg/L)	6.90	5.74	7.68	6.22			
Well Condition Information				Additional Comments			
-overall condition acceptable?				purged dry @ 5gal			
-well cap acceptable?				allow to recharge and sample			
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



### Groundwater Sampling Log



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - DW-3	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJ CM		Well Diameter		2 in	
General Weather		cloudy		Screened Interval		44.6-49.6 ft	
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		49.5 ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		11.71 ft	
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		37.89 ft	
Serial Number	VTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		6.18 ft	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		18.53 gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		7.25 gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer/pump)			
Last Calibration (time)	0815	Last Verification (time)		Well Yield		Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)	initial	6.5	7	7.25	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'		
Time (military)	0916	0923	0926	0940			
pH (su)	5.58	5.61	5.81	5.77			
Spec Conductivity (mS/cm)	0.111	0.118	0.120	0.121			
Water Temperature (°C)	22.3	22.1	22.5	22.6			
Turbidity (NTU)	0.0	317	458	467			
Dissolved Oxygen (mg/L)	6.76	4.09	2.02	2.87			
Well Condition Information				Additional Comments			
-overall condition acceptable?				purged dry after 1 casing volume allow to recharge and sample			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - RW-1	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1 /2020					
Field Personnel		LJ, CM		Well Diameter		4	in
General Weather		cloudy		Screened Interval		10-30	ft
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		29.3	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		14.48	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		14.82	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		9.68	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		29.03	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		30	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0915	Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input checked="" type="checkbox"/>	29.3
Volume (gal)	initial	10	20	30			
Time (military)	1136	1145	1154	1202			
pH (su)	4.46	4.39	4.40	4.48			
Spec Conductivity (mS/cm)	0.088	0.109	0.106	0.101			
Water Temperature (°C)	23.3	23.5	23.4	23.1			
Turbidity (NTU)	0.0	0.0	0.0	0.0			
Dissolved Oxygen (mg/L)	3.99	2.35	2.26	2.21			
Well Condition Information				Additional Comments			
-overall condition acceptable?				strong petrol color, light sheen			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**




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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - RW-2	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020		Well Diameter		4	in
Field Personnel		LJLM		Screened Interval		10-30	ft
General Weather		clear		Total Well Depth (nearest 0.1')		30.0	ft
Ambient Air Temperature		90		Depth to Groundwater (nearest 0.01')		13.86	ft
Quality Assurance				Length of Water Column		16.19	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)	10.54	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)	34.62	gals
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged	55	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input checked="" type="checkbox"/>		
Last Calibration (time)	0815		Last Verification (time)	1215	30.0		
Volume (gal)	initial	11	22	33	44	55	
Time (military)	1402	1447	1458	1506	1514	1524	
pH (su)	5.24	5.51	5.78	5.89	5.85	5.90	
Spec Conductivity (mS/cm)	0.627	0.603	0.478	0.370	0.340	0.282	
Water Temperature (°C)	23.4	23.5	23.0	23.3	23.4	23.2	
Turbidity (NTU)	0.0	5.0	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L)	7.93	4.15	3.82	2.73	3.18	2.20	
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



**Groundwater Sampling Log**

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9L		Well ID		02314 - RW-3		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		7/11/2020						
Field Personnel		LJCM		Well Diameter		4	in	
General Weather		Sun		Screened Interval		10-20	ft	
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		29.9	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		13.77	ft	
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		16.13	ft	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		10.53	ft	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		31.60	gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		33	gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer pump)				
Last Calibration (time)	0815	Last Verification (time)	1215	Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	initial	11	22	33	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
Time (military)	1357	1404	1415	1423				
pH (su)	4.69	5.17	5.25	5.16				
Spec Conductivity (mS/cm)	0.070	0.060	0.054	0.060				
Water Temperature (°C)	24.0	23.0	23.4	22.9				
Turbidity (NTU)	0.0	0.0	0.0	0.0				
Dissolved Oxygen (mg/L)	4.48	2.20	2.37	2.33				
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

**Groundwater Sampling Log**



**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - RW-4	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020		Well Diameter		4	in
Field Personnel		LJ, CM		Screened Interval		10-30	ft
General Weather		clear		Total Well Depth (nearest 0.1')		29.9	ft
Ambient Air Temperature		9.0		Depth to Groundwater (nearest 0.01')		12.59	ft
Quality Assurance				Length of Water Column			
Meter	Horiba U-52-2	Meter	Horiba U-52-2				
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)	11.30	ft	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)	33.91	gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged	36	gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)	1615	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input checked="" type="checkbox"/>			
Volume (gal)	initial	12	24	36			
Time (military)	1620	1723	1726	1735			
pH (su)	4.08	4.34	4.36	4.41			
Spec Conductivity (mS/cm)	0.203	0.186	0.184	0.179			
Water Temperature (°C)	27.6	25.2	24.8	24.3			
Turbidity (NTU)	12.9	18.7	17.9	18.0			
Dissolved Oxygen (mg/L)	2.13	3.06	2.92	2.94			
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable? <i>not secured in casing</i>							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



**Groundwater Sampling Log**



**TERRY Environmental Services**  
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 1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - <i>RW-5</i>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		<i>LJ, CM</i>		Well Diameter		<i>4</i>	in
General Weather		<i>clear</i>		Screened Interval		<i>10-30</i>	ft
Ambient Air Temperature		<i>90</i>		Total Well Depth (nearest 0.1')		<i>30.3</i>	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		<i>12.82</i>	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		<i>17.48</i>	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		<i>11.41</i>	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		<i>34.24</i>	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		<i>36</i>	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	<i>0815</i>	Last Verification (time)	<i>1615</i>	Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	<i>30.3</i>
Volume (gal)	<i>initial</i>	<i>12</i>	<i>24</i>	<i>36</i>			
Time (military)	<i>1644</i>	<i>1655</i>	<i>1703</i>	<i>1710</i>			
pH (su)	<i>4.83</i>	<i>4.73</i>	<i>4.70</i>	<i>4.66</i>			
Spec Conductivity (mS/cm)	<i>0.218</i>	<i>0.226</i>	<i>0.231</i>	<i>0.230</i>			
Water Temperature (°C)	<i>25.7</i>	<i>24.2</i>	<i>24.8</i>	<i>24.0</i>			
Turbidity (NTU)	<i>0.0</i>	<i>1.7</i>	<i>3.3</i>	<i>2.0</i>			
Dissolved Oxygen (mg/L)	<i>4.95</i>	<i>2.17</i>	<i>2.26</i>	<i>2.09</i>			
Well Condition Information				Additional Comments			
-overall condition acceptable?				<i>dup 1712</i>			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



**Groundwater Sampling Log**




**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

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 Summerville, SC 29484  
 1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - <u>SW-1</u>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJ, CM		Well Diameter		in	
General Weather		Clear		Screened Interval		ft	
Ambient Air Temperature		90		Total Well Depth (nearest 0.1')		ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	0815		Last Verification (time)	1615	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)	Initial						TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Time (military)	1745						
pH (su)	5.90						
Spec Conductivity (mS/cm)	0.062						
Water Temperature (°C)	27.9						
Turbidity (NTU)	2.0						
Dissolved Oxygen (mg/L)	10.27						
Well Condition Information				Additional Comments			
-overall condition acceptable?				sample from drainage ditch by furniture store			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**

 <b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605					
				<p align="center"><b>Site Specific Information</b></p>				<p align="center"><b>Monitoring Well Information</b></p>	
Terry Project ID		2171.9L		Well ID		02314 - <i>5W-2</i>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		<i>6/30/2020</i>		Well Diameter				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH. WRITE BELOW TO NEAREST 0.1'	
Field Personnel		<i>LJ</i>		Screened Interval					
General Weather		<i>clear</i>		Total Well Depth (nearest 0.1')					
Ambient Air Temperature		<i>90</i>		Depth to Groundwater (nearest 0.01')					
<b>Quality Assurance</b>				Length of Water Column					
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)				
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)				
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged				
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)				
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>
Last Calibration (time)			Last Verification (time)			High	<input type="checkbox"/>		
Volume (gal)									
Time (military)									
pH (su)									
Spec Conductivity (mS/cm)									
Water Temperature (°C)									
Turbidity (NTU)									
Dissolved Oxygen (mg/L)									
<b>Well Condition Information</b>					<b>Additional Comments</b>				
-overall condition acceptable?					<i>N5 - drainage is dry</i>				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									



**Water Supply Well Sampling Log**



**TERRY Environmental Services**  
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 1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9L		Well ID		02314 - WSW-1	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA (EPA 524.2); Oxygenates & Ethanol (8260B); & EDB (504.1)	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		7/1/2020					
Field Personnel		LJCM		Well Diameter		in	
General Weather		clear		Screened Interval		ft	
Ambient Air Temperature		85		Total Well Depth (nearest 0.1')		ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	1815		Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)	initial						
Time (military)	1821						
pH (su)	5.84						
Spec Conductivity (mS/cm)	0.092						
Water Temperature (°C)	23.7						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	11.18						
Well Condition Information				Additional Comments			
-overall condition acceptable?				sample from well house back left of property			
-well cap acceptable?				allow to run 5 min prior to sample			
-manhole and cover acceptable?				WSW-FB-1 @ 1810    deep 1823			
-well pad acceptable?							
-area safe?							
-other comments							



**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>6/30/2020</u>  <b>Time:</b> <u>1145</u>	<b>Inspector(s):</b> <u>LJ</u>
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Solution Manufacturer: Eastern Solutions Lot Number: 1808F08 Expiration Date: 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.04</u>	±
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± mS/cm
Turbidity: 0.0 NTU	<u>0.9</u> NTU	± NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>28.8</u> °C	<u>29.1</u> °C	± °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kunda  
2/7/19

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>6 / 30 / 20</u>  <b>Time:</b> <u>1545</u>	<b>Inspector(s):</b> <u>LJ</u>
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Solution Manufacturer: Eastern Solutions Lot Number: 1808F08 Expiration Date: 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.01</u>	± <u>0.01</u>
Conductivity: 4.49 mS/cm	<u>4.51</u> mS/cm	± <u>0.02</u> mS/cm
Turbidity: 0.0 NTU	<u>0.1</u> NTU	± <u>0.1</u> NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>29.5</u> °C	<u>29.9</u> °C	± <u>0.4</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2/7/96

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>6/30/2020</u> <b>Time:</b> <u>1945</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 1808F08    **Expiration Date:** 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.03</u>	$\pm 0.03$
Conductivity: 4.49 mS/cm	<u>4.52</u> mS/cm	$\pm 0.03$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>29.2</u> °C	<u>28.6</u> °C	$\pm 0.6$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature	$\pm 1^{\circ}\text{C}$ against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	$\pm 0.2$ pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2171.9L

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	<b>Date:</b> <u>6 / 30 / 2020</u>  <b>Time:</b> <u>2:00</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u> <b>Lot Number:</b> <u>1808F08</u>		<b>Expiration Date:</b> <u>08-31-2020</u>
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>4.00</u>	± 0.00
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± 0.00 mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± 0.0 NTU

<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer: <u>26.4</u> °C	<u>26.9</u> °C	± 0.5 °C

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
2/7/9L

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**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>7 / 1 / 2020</u>	<b>Inspector(s):</b> <u>LJ</u>
	<b>Time:</b> <u>0815</u>	

**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 1808F08    **Expiration Date:** 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.01</u>	± <u>0.01</u>
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± <u>0.00</u> mS/cm
Turbidity: 0.0 NTU	<u>1.0</u> NTU	± <u>1.0</u> NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>24.3</u> °C	<u>24.3</u> °C	± <u>0.0</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Marute Kundal  
2171.92

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>7 11 20</u>  <b>Time:</b> <u>1215</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 1808F08    **Expiration Date:** 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>3.96</u>	$\pm 0.04$
Conductivity: 4.49 mS/cm	<u>4.56</u> mS/cm	$\pm 0.07$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>28.2</u> °C	<u>28.1</u> °C	$\pm 0.1$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2/7/19

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>7 / 1 / 20</u>	<b>Inspector(s):</b> <u>LJ</u>
	<b>Time:</b> <u>1615</u>	

Solution Manufacturer: Eastern Solutions Lot Number: 1808F08 Expiration Date: 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.00</u>	± 0.00
Conductivity: 4.49 mS/cm	<u>4.47</u> mS/cm	± 0.02 mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± 0.0 NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>30.6</u> °C	<u>30.6</u> °C	± 0.0 °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>7/1/2020</u>  <b>Time:</b> <u>1800</u>	<b>Inspector(s):</b> <u>LJ</u>
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Solution Manufacturer: Eastern Solutions Lot Number: 1808F08 Expiration Date: 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.03</u>	± <u>0.03</u>
Conductivity: 4.49 mS/cm	<u>4.46</u> mS/cm	± <u>0.03</u> mS/cm
Turbidity: 0.0 NTU	<u>0.4</u> NTU	± <u>0.4</u> NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>30.6</u> °C	<u>29.7</u> °C	± <u>0.9</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2171.9L

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**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>7 / 1 / 2020</u>  <b>Time:</b> <del>0000</del> <u>1815</u>	<b>Inspector(s):</b> <u>LJ</u>
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Solution Manufacturer: <u>Eastern Solutions</u> Lot Number: <u>1808F08</u>		Expiration Date: <u>08-31-2020</u>
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.00</u>	± <u>0.00</u>
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± <u>0.00</u> mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± <u>0.0</u> NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>29.7</u> °C	<u>30.2</u> °C	± <u>0.5</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Drinking Water Maruti Kundal

2171.9L

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>7 / 1 / 2020</u>	<b>Inspector(s):</b> <u>LJ</u>
	<b>Time:</b> <u>1830</u>	

**Solution Manufacturer:** Eastern Solutions   
**Lot Number:** 1808F08   
**Expiration Date:** 08-31-2020

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.01</u>	$\pm 0.01$
Conductivity: 4.49 mS/cm	<u>4.48</u> mS/cm	$\pm 0.01$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>29.2</u> °C	<u>29.6</u> °C	$\pm 0.4$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature	$\pm 1^{\circ}\text{C}$ against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	$\pm 0.2$ pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Drinking Water Maruti Kundal  
2171.9L

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## Report of Analysis

**Terry Environmental Services, Inc.**  
222 Varnfield Drive  
Suite F  
Summerville, SC 29483  
Attention: Kelly Cone

Project Name: Maruti Kundal

Project Number: 2171.9L

Lot Number: **VG02069**

Date Completed: 07/14/2020

07/14/2020 3:53 PM

Approved and released by:  
Project Manager II: **Kelly M. Nance**



The electronic signature above is the equivalent of a handwritten signature.  
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# PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

## Case Narrative Terry Environmental Services, Inc. Lot Number: VG02069

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Pace Analytical Services, LLC ("Pace") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Pace policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

### Volatiles

The matrix spike/matrix spike duplicate (MS/MSD) associated with samples -017 and -018 had tert-butyl formate (TBF) recovered outside of the acceptance limits. The laboratory control sample (LCS) was recovered within the required acceptance limits; therefore, this likely demonstrates a matrix effect.

The MS associated with sample -020 had multiple compounds recovered outside of the acceptance limits. The LCS was recovered within the required acceptance limits; therefore, this likely demonstrates a matrix effect.

Batches 59387, 59311 and 59560 did not include a MS/MSD due to laboratory error.

The continuing calibration verification (CCV) associated with samples -012, -014 and -017 had ethanol recovered below acceptance limits. There were no detections for this compound in the associated samples. A LOQ standard was analyzed and the compound was detected, demonstrating there was adequate sensitivity to identify the analyte if it were present.

### EDB & DBCP

Sample -028 had the surrogate recovered above the acceptance limits. This reflects a high bias for compounds associated with this surrogate. There were no detections for these compounds in the sample; therefore, there is no impact on data quality and no corrective action is required.



# PACE ANALYTICAL SERVICES, LLC

## Sample Summary Terry Environmental Services, Inc. Lot Number: VG02069

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	02314 FB-1	Aqueous	06/30/2020 1140	07/02/2020
002	02314 MW-18	Aqueous	06/30/2020 1219	07/02/2020
003	02314 MW-17	Aqueous	06/30/2020 1246	07/02/2020
004	02314 MW-16	Aqueous	06/30/2020 1303	07/02/2020
005	02314 MW-9	Aqueous	06/30/2020 1347	07/02/2020
006	02314 MW-5	Aqueous	06/30/2020 1409	07/02/2020
007	02314 MW-6	Aqueous	06/30/2020 1442	07/02/2020
008	02314 MW-10	Aqueous	06/30/2020 1543	07/02/2020
009	02314 MW-11	Aqueous	06/30/2020 1620	07/02/2020
010	02314 MW-26	Aqueous	06/30/2020 1656	07/02/2020
011	02314 MW-22	Aqueous	06/30/2020 1800	07/02/2020
012	02314 MW-21	Aqueous	06/30/2020 1911	07/02/2020
013	02314 DW-2	Aqueous	06/30/2020 1935	07/02/2020
014	02314 MW-3	Aqueous	06/30/2020 2036	07/02/2020
015	02314 DW-1	Aqueous	06/30/2020 2049	07/02/2020
016	02314 FB-2	Aqueous	07/01/2020 0800	07/02/2020
017	02314 MW-12	Aqueous	07/01/2020 0838	07/02/2020
018	02314 MW-27	Aqueous	07/01/2020 0901	07/02/2020
019	02314 DW-3	Aqueous	07/01/2020 0940	07/02/2020
020	02314 MW-25	Aqueous	07/01/2020 0942	07/02/2020
021	02314 MW-24	Aqueous	07/01/2020 1004	07/02/2020
022	02314 MW-23	Aqueous	07/01/2020 1036	07/02/2020
023	02314 MW-8	Aqueous	07/01/2020 1115	07/02/2020
024	02314 MW-7	Aqueous	07/01/2020 1130	07/02/2020
025	02314 RW-1	Aqueous	07/01/2020 1202	07/02/2020
026	02314 MW-2R	Aqueous	07/01/2020 1213	07/02/2020
027	02314 RW-3	Aqueous	07/01/2020 1423	07/02/2020
028	02314 MW-15	Aqueous	07/01/2020 1441	07/02/2020
029	02314 RW-2	Aqueous	07/01/2020 1524	07/02/2020
030	02314 MW-13	Aqueous	07/01/2020 1643	07/02/2020
031	02314 MW-13 dup	Aqueous	07/01/2020 1645	07/02/2020
032	02314 MW-20	Aqueous	07/01/2020 1707	07/02/2020
033	02314 RW-5	Aqueous	07/01/2020 1710	07/02/2020
034	02314 RW-5 dup	Aqueous	07/01/2020 1712	07/02/2020
035	02314 RW-4	Aqueous	07/01/2020 1735	07/02/2020
036	02314 SW-1	Aqueous	07/01/2020 1745	07/02/2020
037	02314 Trip Blank	Aqueous	07/01/2020	07/02/2020

(37 samples)

# PACE ANALYTICAL SERVICES, LLC

## Detection Summary Terry Environmental Services, Inc. Lot Number: VG02069

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
007	02314 MW-6	Aqueous	tert-butyl alcohol (TBA)	8260D	1.6	J	ug/L	15
012	02314 MW-21	Aqueous	tert-Amyl alcohol (TAA)	8260D	47		ug/L	20
012	02314 MW-21	Aqueous	tert-butyl alcohol (TBA)	8260D	4.9	J	ug/L	20
014	02314 MW-3	Aqueous	tert-Amyl alcohol (TAA)	8260D	350		ug/L	22
014	02314 MW-3	Aqueous	Benzene	8260D	38		ug/L	22
014	02314 MW-3	Aqueous	Ethylbenzene	8260D	34		ug/L	22
014	02314 MW-3	Aqueous	Naphthalene	8260D	28		ug/L	22
014	02314 MW-3	Aqueous	tert-butyl alcohol (TBA)	8260D	9.8	J	ug/L	22
014	02314 MW-3	Aqueous	Toluene	8260D	55		ug/L	22
014	02314 MW-3	Aqueous	Xylenes (total)	8260D	110		ug/L	22
017	02314 MW-12	Aqueous	tert-Amyl alcohol (TAA)	8260D	1900		ug/L	25
017	02314 MW-12	Aqueous	Benzene	8260D	130		ug/L	25
017	02314 MW-12	Aqueous	Ethylbenzene	8260D	74		ug/L	25
017	02314 MW-12	Aqueous	Naphthalene	8260D	20		ug/L	25
017	02314 MW-12	Aqueous	tert-butyl alcohol (TBA)	8260D	44	J	ug/L	25
017	02314 MW-12	Aqueous	Toluene	8260D	260		ug/L	25
017	02314 MW-12	Aqueous	Xylenes (total)	8260D	350		ug/L	25
018	02314 MW-27	Aqueous	tert-Amyl alcohol (TAA)	8260D	2100		ug/L	26
018	02314 MW-27	Aqueous	Benzene	8260D	380		ug/L	26
018	02314 MW-27	Aqueous	Diisopropyl ether (IPE)	8260D	11		ug/L	26
018	02314 MW-27	Aqueous	Ethylbenzene	8260D	10		ug/L	26
018	02314 MW-27	Aqueous	Methyl tertiary butyl ether	8260D	3.1	J	ug/L	26
018	02314 MW-27	Aqueous	Naphthalene	8260D	2.7	J	ug/L	26
018	02314 MW-27	Aqueous	tert-butyl alcohol (TBA)	8260D	71	J	ug/L	26
018	02314 MW-27	Aqueous	Xylenes (total)	8260D	2.2	J	ug/L	26
020	02314 MW-25	Aqueous	tert-Amyl alcohol (TAA)	8260D	2000		ug/L	28
020	02314 MW-25	Aqueous	Benzene	8260D	290		ug/L	28
020	02314 MW-25	Aqueous	1,2-Dichloroethane	8260D	8.5		ug/L	28
020	02314 MW-25	Aqueous	Diisopropyl ether (IPE)	8260D	2.9	J	ug/L	28
020	02314 MW-25	Aqueous	Naphthalene	8260D	14		ug/L	28
020	02314 MW-25	Aqueous	tert-butyl alcohol (TBA)	8260D	30	J	ug/L	28
020	02314 MW-25	Aqueous	Toluene	8260D	2.5	J	ug/L	28
020	02314 MW-25	Aqueous	Xylenes (total)	8260D	220		ug/L	28
021	02314 MW-24	Aqueous	tert-Amyl alcohol (TAA)	8260D	5600		ug/L	29
021	02314 MW-24	Aqueous	Benzene	8260D	3900		ug/L	29
021	02314 MW-24	Aqueous	Ethylbenzene	8260D	1400		ug/L	29
021	02314 MW-24	Aqueous	Naphthalene	8260D	200		ug/L	29
021	02314 MW-24	Aqueous	Toluene	8260D	18000		ug/L	29
021	02314 MW-24	Aqueous	Xylenes (total)	8260D	7600		ug/L	29
022	02314 MW-23	Aqueous	tert-Amyl alcohol (TAA)	8260D	7000		ug/L	30
022	02314 MW-23	Aqueous	Benzene	8260D	2000		ug/L	30
022	02314 MW-23	Aqueous	Ethylbenzene	8260D	750		ug/L	30
022	02314 MW-23	Aqueous	Naphthalene	8260D	130		ug/L	30
022	02314 MW-23	Aqueous	tert-butyl alcohol (TBA)	8260D	96	J	ug/L	30
022	02314 MW-23	Aqueous	Toluene	8260D	8200		ug/L	30

# Detection Summary (Continued)

Lot Number: VG02069

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
022	02314 MW-23	Aqueous	Xylenes (total)	8260D	4300		ug/L	30
023	02314 MW-8	Aqueous	tert-Amyl alcohol (TAA)	8260D	11000		ug/L	31
023	02314 MW-8	Aqueous	Benzene	8260D	910		ug/L	31
023	02314 MW-8	Aqueous	Ethylbenzene	8260D	330		ug/L	31
023	02314 MW-8	Aqueous	Naphthalene	8260D	49	J	ug/L	31
023	02314 MW-8	Aqueous	tert-butyl alcohol (TBA)	8260D	240	J	ug/L	31
023	02314 MW-8	Aqueous	Toluene	8260D	2000		ug/L	31
023	02314 MW-8	Aqueous	Xylenes (total)	8260D	6800		ug/L	31
023	02314 MW-8	Aqueous	1,2-Dibromoethane (EDB)	8011	0.0089	JP	ug/L	31
024	02314 MW-7	Aqueous	tert-Amyl alcohol (TAA)	8260D	12000		ug/L	32
024	02314 MW-7	Aqueous	Benzene	8260D	2600		ug/L	32
024	02314 MW-7	Aqueous	Diisopropyl ether (IPE)	8260D	92	J	ug/L	32
024	02314 MW-7	Aqueous	Ethylbenzene	8260D	1600		ug/L	32
024	02314 MW-7	Aqueous	Naphthalene	8260D	350		ug/L	32
024	02314 MW-7	Aqueous	tert-butyl alcohol (TBA)	8260D	140	J	ug/L	32
024	02314 MW-7	Aqueous	Toluene	8260D	12000		ug/L	32
024	02314 MW-7	Aqueous	Xylenes (total)	8260D	8900		ug/L	32
024	02314 MW-7	Aqueous	1,2-Dibromoethane (EDB)	8011	0.33		ug/L	32
025	02314 RW-1	Aqueous	tert-Amyl alcohol (TAA)	8260D	44000		ug/L	33
025	02314 RW-1	Aqueous	Benzene	8260D	11000		ug/L	33
025	02314 RW-1	Aqueous	Diisopropyl ether (IPE)	8260D	710		ug/L	33
025	02314 RW-1	Aqueous	Ethanol	8260D	500000		ug/L	33
025	02314 RW-1	Aqueous	Ethylbenzene	8260D	1500		ug/L	33
025	02314 RW-1	Aqueous	Naphthalene	8260D	660		ug/L	33
025	02314 RW-1	Aqueous	tert-butyl alcohol (TBA)	8260D	630	J	ug/L	33
025	02314 RW-1	Aqueous	Toluene	8260D	32000		ug/L	33
025	02314 RW-1	Aqueous	Xylenes (total)	8260D	18000		ug/L	33
025	02314 RW-1	Aqueous	1,2-Dibromoethane (EDB)	8011	3.3		ug/L	33
026	02314 MW-2R	Aqueous	tert-Amyl alcohol (TAA)	8260D	11000		ug/L	34
026	02314 MW-2R	Aqueous	Benzene	8260D	2700		ug/L	34
026	02314 MW-2R	Aqueous	Ethylbenzene	8260D	2700		ug/L	34
026	02314 MW-2R	Aqueous	Naphthalene	8260D	610		ug/L	34
026	02314 MW-2R	Aqueous	tert-butyl alcohol (TBA)	8260D	93	J	ug/L	34
026	02314 MW-2R	Aqueous	Toluene	8260D	15000		ug/L	34
026	02314 MW-2R	Aqueous	Xylenes (total)	8260D	14000		ug/L	34
027	02314 RW-3	Aqueous	tert-Amyl alcohol (TAA)	8260D	8600		ug/L	35
027	02314 RW-3	Aqueous	Benzene	8260D	1200		ug/L	35
027	02314 RW-3	Aqueous	Ethylbenzene	8260D	400		ug/L	35
027	02314 RW-3	Aqueous	Naphthalene	8260D	95		ug/L	35
027	02314 RW-3	Aqueous	tert-butyl alcohol (TBA)	8260D	100	J	ug/L	35
027	02314 RW-3	Aqueous	Toluene	8260D	4300		ug/L	35
027	02314 RW-3	Aqueous	Xylenes (total)	8260D	3700		ug/L	35
028	02314 MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260D	24000		ug/L	36
028	02314 MW-15	Aqueous	Benzene	8260D	4500		ug/L	36
028	02314 MW-15	Aqueous	Ethylbenzene	8260D	2100		ug/L	36
028	02314 MW-15	Aqueous	Naphthalene	8260D	490		ug/L	36
028	02314 MW-15	Aqueous	tert-butyl alcohol (TBA)	8260D	160	J	ug/L	36
028	02314 MW-15	Aqueous	Toluene	8260D	28000		ug/L	36

# Detection Summary (Continued)

Lot Number: VG02069

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
028	02314 MW-15	Aqueous	Xylenes (total)	8260D	16000		ug/L	36
029	02314 RW-2	Aqueous	tert-Amyl alcohol (TAA)	8260D	15000		ug/L	37
029	02314 RW-2	Aqueous	Benzene	8260D	6600		ug/L	37
029	02314 RW-2	Aqueous	Diisopropyl ether (IPE)	8260D	220		ug/L	37
029	02314 RW-2	Aqueous	Ethanol	8260D	51000		ug/L	37
029	02314 RW-2	Aqueous	Ethylbenzene	8260D	1900		ug/L	37
029	02314 RW-2	Aqueous	Naphthalene	8260D	400		ug/L	37
029	02314 RW-2	Aqueous	tert-butyl alcohol (TBA)	8260D	440	J	ug/L	37
029	02314 RW-2	Aqueous	Toluene	8260D	20000		ug/L	37
029	02314 RW-2	Aqueous	Xylenes (total)	8260D	11000		ug/L	37
030	02314 MW-13	Aqueous	tert-Amyl alcohol (TAA)	8260D	4100		ug/L	38
030	02314 MW-13	Aqueous	Benzene	8260D	1100		ug/L	38
030	02314 MW-13	Aqueous	Ethylbenzene	8260D	980		ug/L	38
030	02314 MW-13	Aqueous	Naphthalene	8260D	310		ug/L	38
030	02314 MW-13	Aqueous	tert-butyl alcohol (TBA)	8260D	110	J	ug/L	38
030	02314 MW-13	Aqueous	Toluene	8260D	3100		ug/L	38
030	02314 MW-13	Aqueous	Xylenes (total)	8260D	3500		ug/L	38
031	02314 MW-13 dup	Aqueous	tert-Amyl alcohol (TAA)	8260D	4100		ug/L	39
031	02314 MW-13 dup	Aqueous	Benzene	8260D	1100		ug/L	39
031	02314 MW-13 dup	Aqueous	Ethylbenzene	8260D	990		ug/L	39
031	02314 MW-13 dup	Aqueous	Naphthalene	8260D	330		ug/L	39
031	02314 MW-13 dup	Aqueous	tert-butyl alcohol (TBA)	8260D	100	J	ug/L	39
031	02314 MW-13 dup	Aqueous	Toluene	8260D	3300		ug/L	39
031	02314 MW-13 dup	Aqueous	Xylenes (total)	8260D	3600		ug/L	39
032	02314 MW-20	Aqueous	tert-Amyl alcohol (TAA)	8260D	12000		ug/L	40
032	02314 MW-20	Aqueous	Benzene	8260D	3800		ug/L	40
032	02314 MW-20	Aqueous	Diisopropyl ether (IPE)	8260D	69	J	ug/L	40
032	02314 MW-20	Aqueous	Ethylbenzene	8260D	1500		ug/L	40
032	02314 MW-20	Aqueous	Naphthalene	8260D	300		ug/L	40
032	02314 MW-20	Aqueous	tert-butyl alcohol (TBA)	8260D	310	J	ug/L	40
032	02314 MW-20	Aqueous	Toluene	8260D	11000		ug/L	40
032	02314 MW-20	Aqueous	Xylenes (total)	8260D	8200		ug/L	40
033	02314 RW-5	Aqueous	Benzene	8260D	5500		ug/L	41
033	02314 RW-5	Aqueous	Ethylbenzene	8260D	2900		ug/L	41
033	02314 RW-5	Aqueous	Naphthalene	8260D	680		ug/L	41
033	02314 RW-5	Aqueous	Toluene	8260D	24000		ug/L	41
033	02314 RW-5	Aqueous	Xylenes (total)	8260D	19000		ug/L	41
034	02314 RW-5 dup	Aqueous	Benzene	8260D	6100		ug/L	42
034	02314 RW-5 dup	Aqueous	Ethylbenzene	8260D	3200		ug/L	42
034	02314 RW-5 dup	Aqueous	Naphthalene	8260D	740		ug/L	42
034	02314 RW-5 dup	Aqueous	Toluene	8260D	25000		ug/L	42
034	02314 RW-5 dup	Aqueous	Xylenes (total)	8260D	20000		ug/L	42
035	02314 RW-4	Aqueous	tert-Amyl alcohol (TAA)	8260D	20000		ug/L	43
035	02314 RW-4	Aqueous	Benzene	8260D	7300		ug/L	43
035	02314 RW-4	Aqueous	Diisopropyl ether (IPE)	8260D	110	J	ug/L	43
035	02314 RW-4	Aqueous	Ethanol	8260D	220000		ug/L	43
035	02314 RW-4	Aqueous	Ethylbenzene	8260D	2100		ug/L	43
035	02314 RW-4	Aqueous	Naphthalene	8260D	280		ug/L	43

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## Detection Summary (Continued)

Lot Number: VG02069

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Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
035	02314 RW-4	Aqueous	tert-butyl alcohol (TBA)	8260D	480	J	ug/L	43
035	02314 RW-4	Aqueous	Toluene	8260D	24000		ug/L	43
035	02314 RW-4	Aqueous	Xylenes (total)	8260D	11000		ug/L	43

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(144 detections)

Description: 02314 FB-1

Matrix: Aqueous

Date Sampled: 06/30/2020 1140

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1207	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 0952	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		89	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-18

Matrix: Aqueous

Date Sampled: 06/30/2020 1219

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/07/2020 1417	JAN		59154		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		102	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1014	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		94	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-17

Matrix: Aqueous

Date Sampled: 06/30/2020 1246

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/07/2020 1443	JAN		59154		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		89	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		100	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1035	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		97	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-16

Matrix: Aqueous

Date Sampled: 06/30/2020 1303

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/07/2020 1508	JAN		59154		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		90	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		100	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1046	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		90	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-9

Matrix: Aqueous

Date Sampled: 06/30/2020 1347

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/07/2020 1533	JAN		59154		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		92	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		100	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1057	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		90	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-5

Matrix: Aqueous

Date Sampled: 06/30/2020 1409

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/07/2020 1559	JAN		59154		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		90	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1108	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		84	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-6

Matrix: Aqueous

Date Sampled: 06/30/2020 1442

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/07/2020 1625	JAN		59154		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	1.6	J	20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		88	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		102	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1119	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		92	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-10

Matrix: Aqueous

Date Sampled: 06/30/2020 1543

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1439	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		102	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1130	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		91	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-11

Matrix: Aqueous

Date Sampled: 06/30/2020 1620

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1505	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1140	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		85	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-26

Matrix: Aqueous

Date Sampled: 06/30/2020 1656

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1531	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1151	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		102	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1557	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		100	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1202	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		90	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-21

Matrix: Aqueous

Date Sampled: 06/30/2020 1911

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	1	07/11/2020 1518	ECB		59728		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	47		20	8.0	ug/L	2	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	2	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	2	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	2	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	2	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	2	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	2	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	2	
tert-butyl alcohol (TBA)	75-65-0	8260D	4.9	J	20	0.40	ug/L	2	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	2	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	2	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1213	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		88	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 DW-2

Matrix: Aqueous

Date Sampled: 06/30/2020 1935

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1623	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		100	70-130						
Bromofluorobenzene		102	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1224	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		93	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-3

Matrix: Aqueous

Date Sampled: 06/30/2020 2036

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	1	07/11/2020 1544	ECB		59728		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	350		20	8.0	ug/L	2	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	2	
Benzene	71-43-2	8260D	38		1.0	0.40	ug/L	2	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	2	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	2	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	2	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	2	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	2	
Ethylbenzene	100-41-4	8260D	34		1.0	0.40	ug/L	2	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	2	
Naphthalene	91-20-3	8260D	28		1.0	0.40	ug/L	2	
tert-butyl alcohol (TBA)	75-65-0	8260D	9.8	J	20	0.40	ug/L	2	
Toluene	108-88-3	8260D	55		1.0	0.40	ug/L	2	
Xylenes (total)	1330-20-7	8260D	110		1.0	0.40	ug/L	2	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1235	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		95	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 DW-1

Matrix: Aqueous

Date Sampled: 06/30/2020 2049

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1648	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		100	70-130						
Bromofluorobenzene		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1245	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		95	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 FB-2

Matrix: Aqueous

Date Sampled: 07/01/2020 0800

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1714	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		86	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1256	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		108	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-12

Matrix: Aqueous

Date Sampled: 07/01/2020 0838

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	5	07/11/2020 1936	ECB		59728		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	1900		100	40	ug/L	2	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		50	2.1	ug/L	2	
Benzene	71-43-2	8260D	130		5.0	2.0	ug/L	2	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		25	10	ug/L	2	
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	2.0	ug/L	2	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		5.0	2.0	ug/L	2	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	2	
Ethanol	64-17-5	8260D	ND		500	260	ug/L	2	
Ethylbenzene	100-41-4	8260D	74		5.0	2.0	ug/L	2	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.0	2.0	ug/L	2	
Naphthalene	91-20-3	8260D	20		5.0	2.0	ug/L	2	
tert-butyl alcohol (TBA)	75-65-0	8260D	44	J	100	2.0	ug/L	2	
Toluene	108-88-3	8260D	260		5.0	2.0	ug/L	2	
Xylenes (total)	1330-20-7	8260D	350		5.0	2.0	ug/L	2	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		85	70-130						
Toluene-d8		100	70-130						
Bromofluorobenzene		102	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1307	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		117	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-27

Matrix: Aqueous

Date Sampled: 07/01/2020 0901

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	5	07/08/2020 1855	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	2100		100	40	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		50	2.1	ug/L	1	
Benzene	71-43-2	8260D	380		5.0	2.0	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		25	10	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	11		5.0	2.0	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	1	
Ethanol	64-17-5	8260D	ND		500	260	ug/L	1	
Ethylbenzene	100-41-4	8260D	10		5.0	2.0	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	3.1	J	5.0	2.0	ug/L	1	
Naphthalene	91-20-3	8260D	2.7	J	5.0	2.0	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	71	J	100	2.0	ug/L	1	
Toluene	108-88-3	8260D	ND		5.0	2.0	ug/L	1	
Xylenes (total)	1330-20-7	8260D	2.2	J	5.0	2.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		87	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1318	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		91	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 DW-3

Matrix: Aqueous

Date Sampled: 07/01/2020 0940

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/08/2020 1739	JAN		59307		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		89	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1329	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		98	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-25

Matrix: Aqueous

Date Sampled: 07/01/2020 0942

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	5	07/10/2020 0324	JTH		59560		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	2000		100	40	ug/L	2	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		50	2.1	ug/L	2	
Benzene	71-43-2	8260D	290		5.0	2.0	ug/L	2	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		25	10	ug/L	2	
1,2-Dichloroethane	107-06-2	8260D	8.5		5.0	2.0	ug/L	2	
Diisopropyl ether (IPE)	108-20-3	8260D	2.9	J	5.0	2.0	ug/L	2	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		100	40	ug/L	2	
Ethanol	64-17-5	8260D	ND		500	260	ug/L	2	
Ethylbenzene	100-41-4	8260D	ND		5.0	2.0	ug/L	2	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		5.0	2.0	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		5.0	2.0	ug/L	2	
Naphthalene	91-20-3	8260D	14		5.0	2.0	ug/L	2	
tert-butyl alcohol (TBA)	75-65-0	8260D	30	J	100	2.0	ug/L	2	
Toluene	108-88-3	8260D	2.5	J	5.0	2.0	ug/L	2	
Xylenes (total)	1330-20-7	8260D	220		5.0	2.0	ug/L	2	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		105	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1340	JJG	07/07/2020 0945	59116		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		111	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-24

Matrix: Aqueous

Date Sampled: 07/01/2020 1004

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	07/08/2020 1222	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	5600		4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1	
Benzene	71-43-2	8260D	3900		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	1400		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	200		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		4000	80	ug/L	1	
Toluene	108-88-3	8260D	18000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	7600		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		106	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		106	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1423	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		116	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-23

Matrix: Aqueous

Date Sampled: 07/01/2020 1036

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	07/08/2020 1244	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	7000		2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1	
Benzene	71-43-2	8260D	2000		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	750		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		100	40	ug/L	1	
Naphthalene	91-20-3	8260D	130		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	96	J	2000	40	ug/L	1	
Toluene	108-88-3	8260D	8200		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	4300		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		105	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		105	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1445	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		101	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-8

Matrix: Aqueous

Date Sampled: 07/01/2020 1115

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	07/08/2020 1306	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	11000		1000	400	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		500	21	ug/L	1	
Benzene	71-43-2	8260D	910		50	20	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1	
Ethylbenzene	100-41-4	8260D	330		50	20	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		50	20	ug/L	1	
Naphthalene	91-20-3	8260D	49	J	50	20	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	240	J	1000	20	ug/L	1	
Toluene	108-88-3	8260D	2000		50	20	ug/L	1	
Xylenes (total)	1330-20-7	8260D	6800		50	20	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		108	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		109	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1507	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	0.0089	JP	0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		93	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-7

Matrix: Aqueous

Date Sampled: 07/01/2020 1130

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	07/08/2020 1329	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	12000		2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1	
Benzene	71-43-2	8260D	2600		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	92	J	100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	1600		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		100	40	ug/L	1	
Naphthalene	91-20-3	8260D	350		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	140	J	2000	40	ug/L	1	
Toluene	108-88-3	8260D	12000		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	8900		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		107	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		110	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1518	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	0.33		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		115	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 RW-1

Matrix: Aqueous

Date Sampled: 07/01/2020 1202

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	500	07/08/2020 1351	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	44000		10000	4000	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		5000	210	ug/L	1	
Benzene	71-43-2	8260D	11000		500	200	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		2500	1000	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		500	200	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	710		500	200	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		10000	4000	ug/L	1	
Ethanol	64-17-5	8260D	500000		50000	26000	ug/L	1	
Ethylbenzene	100-41-4	8260D	1500		500	200	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		500	200	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		500	200	ug/L	1	
Naphthalene	91-20-3	8260D	660		500	200	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	630	J	10000	200	ug/L	1	
Toluene	108-88-3	8260D	32000		500	200	ug/L	1	
Xylenes (total)	1330-20-7	8260D	18000		500	200	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	5	07/14/2020 1227	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	3.3		0.098	0.025	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		66	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-2R

Matrix: Aqueous

Date Sampled: 07/01/2020 1213

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	100	07/10/2020 0600	JTH		59560		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	11000		2000	800	ug/L	2	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	2	
Benzene	71-43-2	8260D	2700		100	40	ug/L	2	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	2	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	2	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		100	40	ug/L	2	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	2	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	2	
Ethylbenzene	100-41-4	8260D	2700		100	40	ug/L	2	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		100	40	ug/L	2	
Naphthalene	91-20-3	8260D	610		100	40	ug/L	2	
tert-butyl alcohol (TBA)	75-65-0	8260D	93	J	2000	40	ug/L	2	
Toluene	108-88-3	8260D	15000		100	40	ug/L	2	
Xylenes (total)	1330-20-7	8260D	14000		100	40	ug/L	2	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		110	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		114	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1540	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		124	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 RW-3

Matrix: Aqueous

Date Sampled: 07/01/2020 1423

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	07/08/2020 1436	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	8600		1000	400	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		500	21	ug/L	1	
Benzene	71-43-2	8260D	1200		50	20	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1	
Ethylbenzene	100-41-4	8260D	400		50	20	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		50	20	ug/L	1	
Naphthalene	91-20-3	8260D	95		50	20	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	100	J	1000	20	ug/L	1	
Toluene	108-88-3	8260D	4300		50	20	ug/L	1	
Xylenes (total)	1330-20-7	8260D	3700		50	20	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		107	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		112	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1551	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		100	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-15

Matrix: Aqueous

Date Sampled: 07/01/2020 1441

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	07/08/2020 1459	DJG		59311		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	24000		4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1	
Benzene	71-43-2	8260D	4500		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	ND		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	2100		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	490		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	160	J	4000	80	ug/L	1	
Toluene	108-88-3	8260D	28000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	16000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		107	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		110	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1602	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane	N	162	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 RW-2

Matrix: Aqueous

Date Sampled: 07/01/2020 1524

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	07/09/2020 0537	JTH		59387		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	15000		4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1	
Benzene	71-43-2	8260D	6600		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	220		200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	51000		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	1900		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	400		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	440	J	4000	80	ug/L	1	
Toluene	108-88-3	8260D	20000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	11000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		108	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		109	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1613	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		118	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-13

Matrix: Aqueous

Date Sampled: 07/01/2020 1643

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	50	07/10/2020 0538	JTH		59560		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	4100		1000	400	ug/L	2	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		500	21	ug/L	2	
Benzene	71-43-2	8260D	1100		50	20	ug/L	2	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	2	
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	2	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	2	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	2	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	2	
Ethylbenzene	100-41-4	8260D	980		50	20	ug/L	2	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	2	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		50	20	ug/L	2	
Naphthalene	91-20-3	8260D	310		50	20	ug/L	2	
tert-butyl alcohol (TBA)	75-65-0	8260D	110	J	1000	20	ug/L	2	
Toluene	108-88-3	8260D	3100		50	20	ug/L	2	
Xylenes (total)	1330-20-7	8260D	3500		50	20	ug/L	2	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		109	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		109	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1624	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		96	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-13 dup

Matrix: Aqueous

Date Sampled: 07/01/2020 1645

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	07/09/2020 0407	JTH		59387		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	4100		1000	400	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		500	21	ug/L	1	
Benzene	71-43-2	8260D	1100		50	20	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		250	100	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		50	20	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		50	20	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		1000	400	ug/L	1	
Ethanol	64-17-5	8260D	ND		5000	2600	ug/L	1	
Ethylbenzene	100-41-4	8260D	990		50	20	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		50	20	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		50	20	ug/L	1	
Naphthalene	91-20-3	8260D	330		50	20	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	100	J	1000	20	ug/L	1	
Toluene	108-88-3	8260D	3300		50	20	ug/L	1	
Xylenes (total)	1330-20-7	8260D	3600		50	20	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		106	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1635	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		108	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 MW-20

Matrix: Aqueous

Date Sampled: 07/01/2020 1707

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	07/09/2020 0514	JTH		59387		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	12000		2000	800	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		1000	42	ug/L	1	
Benzene	71-43-2	8260D	3800		100	40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		500	200	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		100	40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	69	J	100	40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		2000	800	ug/L	1	
Ethanol	64-17-5	8260D	ND		10000	5200	ug/L	1	
Ethylbenzene	100-41-4	8260D	1500		100	40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		100	40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		100	40	ug/L	1	
Naphthalene	91-20-3	8260D	300		100	40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	310	J	2000	40	ug/L	1	
Toluene	108-88-3	8260D	11000		100	40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	8200		100	40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		107	70-130						
Toluene-d8		102	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1646	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		113	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 RW-5

Matrix: Aqueous

Date Sampled: 07/01/2020 1710

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	500	07/09/2020 0622	JTH		59387		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		10000	4000	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		5000	210	ug/L	1	
Benzene	71-43-2	8260D	5500		500	200	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		2500	1000	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		500	200	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		500	200	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		10000	4000	ug/L	1	
Ethanol	64-17-5	8260D	ND		50000	26000	ug/L	1	
Ethylbenzene	100-41-4	8260D	2900		500	200	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		500	200	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		500	200	ug/L	1	
Naphthalene	91-20-3	8260D	680		500	200	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		10000	200	ug/L	1	
Toluene	108-88-3	8260D	24000		500	200	ug/L	1	
Xylenes (total)	1330-20-7	8260D	19000		500	200	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		111	70-130						
Toluene-d8		100	70-130						
Bromofluorobenzene		108	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1657	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		112	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 RW-5 dup

Matrix: Aqueous

Date Sampled: 07/01/2020 1712

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	500	07/09/2020 0645	JTH		59387		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		10000	4000	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		5000	210	ug/L	1	
Benzene	71-43-2	8260D	6100		500	200	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		2500	1000	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		500	200	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		500	200	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		10000	4000	ug/L	1	
Ethanol	64-17-5	8260D	ND		50000	26000	ug/L	1	
Ethylbenzene	100-41-4	8260D	3200		500	200	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		500	200	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		500	200	ug/L	1	
Naphthalene	91-20-3	8260D	740		500	200	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		10000	200	ug/L	1	
Toluene	108-88-3	8260D	25000		500	200	ug/L	1	
Xylenes (total)	1330-20-7	8260D	20000		500	200	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		111	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		109	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1708	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		108	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 RW-4

Matrix: Aqueous

Date Sampled: 07/01/2020 1735

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	200	07/09/2020 0600	JTH		59387		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	20000		4000	1600	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		2000	84	ug/L	1	
Benzene	71-43-2	8260D	7300		200	80	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		1000	400	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		200	80	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	110	J	200	80	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		4000	1600	ug/L	1	
Ethanol	64-17-5	8260D	220000		20000	10000	ug/L	1	
Ethylbenzene	100-41-4	8260D	2100		200	80	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		200	80	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		200	80	ug/L	1	
Naphthalene	91-20-3	8260D	280		200	80	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	480	J	4000	80	ug/L	1	
Toluene	108-88-3	8260D	24000		200	80	ug/L	1	
Xylenes (total)	1330-20-7	8260D	11000		200	80	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		108	70-130						
Toluene-d8		101	70-130						
Bromofluorobenzene		109	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1719	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		100	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 SW-1

Matrix: Aqueous

Date Sampled: 07/01/2020 1745

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	07/10/2020 0025	JTH		59560		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1	
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1	
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1	
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1	
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1	
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1	
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1	
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1	
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1	
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1	
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		105	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		98	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	07/10/2020 1730	JJG	07/07/2020 0946	59117		
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		101	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 Trip Blank

Matrix: Aqueous

Date Sampled: 07/01/2020

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/09/2020 2255	JTH		59560

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		106	70-130
Bromofluorobenzene		104	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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## QC Summary

## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59154-001

Matrix: Aqueous

Batch: 59154

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/07/2020 1236
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/07/2020 1236
Benzene	ND		1	1.0	0.40	ug/L	07/07/2020 1236
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/07/2020 1236
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/07/2020 1236
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/07/2020 1236
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/07/2020 1236
Ethanol	ND		1	100	52	ug/L	07/07/2020 1236
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/07/2020 1236
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/07/2020 1236
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/07/2020 1236
Naphthalene	ND		1	1.0	0.40	ug/L	07/07/2020 1236
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/07/2020 1236
Toluene	ND		1	1.0	0.40	ug/L	07/07/2020 1236
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/07/2020 1236
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		90	70-130				
Toluene-d8		103	70-130				
Bromofluorobenzene		101	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59154-002

Matrix: Aqueous

Batch: 59154

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	108	70-130	07/07/2020 1126
tert-Amyl methyl ether (TAME)	50	54		1	108	70-130	07/07/2020 1126
Benzene	50	46		1	92	70-130	07/07/2020 1126
tert-Butyl formate (TBF)	250	230		1	92	70-130	07/07/2020 1126
1,2-Dichloroethane	50	46		1	92	70-130	07/07/2020 1126
Diisopropyl ether (IPE)	50	49		1	99	70-130	07/07/2020 1126
3,3-Dimethyl-1-butanol	1000	1000		1	105	70-130	07/07/2020 1126
Ethanol	5000	4700		1	93	70-130	07/07/2020 1126
Ethylbenzene	50	49		1	99	70-130	07/07/2020 1126
Ethyl-tert-butyl ether (ETBE)	50	50		1	101	70-130	07/07/2020 1126
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	07/07/2020 1126

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59154-002

Matrix: Aqueous

Batch: 59154

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	52		1	103	70-130	07/07/2020 1126
tert-butyl alcohol (TBA)	1000	1100		1	106	70-130	07/07/2020 1126
Toluene	50	49		1	98	70-130	07/07/2020 1126
Xylenes (total)	100	99		1	99	70-130	07/07/2020 1126
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		90	70-130				
Toluene-d8		96	70-130				
Bromofluorobenzene		96	70-130				

## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59307-001

Matrix: Aqueous

Batch: 59307

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/08/2020 1056
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/08/2020 1056
Benzene	ND		1	1.0	0.40	ug/L	07/08/2020 1056
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/08/2020 1056
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/08/2020 1056
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/08/2020 1056
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/08/2020 1056
Ethanol	ND		1	100	52	ug/L	07/08/2020 1056
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/08/2020 1056
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/08/2020 1056
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/08/2020 1056
Naphthalene	ND		1	1.0	0.40	ug/L	07/08/2020 1056
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/08/2020 1056
Toluene	ND		1	1.0	0.40	ug/L	07/08/2020 1056
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/08/2020 1056
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		91	70-130				
Toluene-d8		100	70-130				
Bromofluorobenzene		101	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59307-002

Matrix: Aqueous

Batch: 59307

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	980		1	98	70-130	07/08/2020 0945
tert-Amyl methyl ether (TAME)	50	54		1	109	70-130	07/08/2020 0945
Benzene	50	45		1	91	70-130	07/08/2020 0945
tert-Butyl formate (TBF)	250	250		1	100	70-130	07/08/2020 0945
1,2-Dichloroethane	50	47		1	93	70-130	07/08/2020 0945
Diisopropyl ether (IPE)	50	48		1	96	70-130	07/08/2020 0945
3,3-Dimethyl-1-butanol	1000	960		1	96	70-130	07/08/2020 0945
Ethanol	5000	4600		1	91	70-130	07/08/2020 0945
Ethylbenzene	50	48		1	95	70-130	07/08/2020 0945
Ethyl-tert-butyl ether (ETBE)	50	51		1	101	70-130	07/08/2020 0945
Methyl tertiary butyl ether (MTBE)	50	53		1	106	70-130	07/08/2020 0945
Naphthalene	50	50		1	99	70-130	07/08/2020 0945
tert-butyl alcohol (TBA)	1000	980		1	98	70-130	07/08/2020 0945
Toluene	50	48		1	95	70-130	07/08/2020 0945
Xylenes (total)	100	97		1	97	70-130	07/08/2020 0945
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		91	70-130				
Toluene-d8		94	70-130				
Bromofluorobenzene		95	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: VG02069-018MS

Matrix: Aqueous

Batch: 59307

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	2100	5000	6700		5	93	70-130	07/08/2020 2011
tert-Amyl methyl ether (TAME)	ND	250	280		5	111	70-130	07/08/2020 2011
Benzene	380	250	610		5	92	70-130	07/08/2020 2011
tert-Butyl formate (TBF)	ND	1300	32	N	5	2.6	70-130	07/08/2020 2011
1,2-Dichloroethane	ND	250	240		5	97	70-130	07/08/2020 2011
Diisopropyl ether (IPE)	11	250	270		5	102	70-130	07/08/2020 2011
3,3-Dimethyl-1-butanol	ND	5000	4600		5	91	70-130	07/08/2020 2011
Ethanol	ND	25000	20000		5	80	70-130	07/08/2020 2011
Ethylbenzene	10	250	270		5	105	70-130	07/08/2020 2011
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	100	70-130	07/08/2020 2011
Methyl tertiary butyl ether (MTBE)	3.1	250	270		5	108	70-130	07/08/2020 2011

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - MS

Sample ID: VG02069-018MS

Matrix: Aqueous

Batch: 59307

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	2.7	250	260		5	102	70-130	07/08/2020 2011
tert-butyl alcohol (TBA)	71	5000	5500		5	108	70-130	07/08/2020 2011
Toluene	ND	250	260		5	105	70-130	07/08/2020 2011
Xylenes (total)	2.2	500	530		5	105	70-130	07/08/2020 2011
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		92	70-130					
Toluene-d8		104	70-130					
Bromofluorobenzene		100	70-130					

## Volatile Organic Compounds by GC/MS - MSD

Sample ID: VG02069-018MD

Matrix: Aqueous

Batch: 59307

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	2100	5000	6700		5	92	0.42	70-130	20	07/08/2020 2036
tert-Amyl methyl ether (TAME)	ND	250	280		5	113	2.2	70-130	20	07/08/2020 2036
Benzene	380	250	610		5	93	0.38	70-130	20	07/08/2020 2036
tert-Butyl formate (TBF)	ND	1300	32	N	5	2.5	1.4	70-130	20	07/08/2020 2036
1,2-Dichloroethane	ND	250	250		5	99	2.0	70-130	20	07/08/2020 2036
Diisopropyl ether (IPE)	11	250	270		5	105	2.6	70-130	20	07/08/2020 2036
3,3-Dimethyl-1-butanol	ND	5000	4600		5	93	1.5	70-130	20	07/08/2020 2036
Ethanol	ND	25000	20000		5	80	0.10	70-130	20	07/08/2020 2036
Ethylbenzene	10	250	280		5	108	3.0	70-130	20	07/08/2020 2036
Ethyl-tert-butyl ether (ETBE)	ND	250	260		5	103	3.0	70-130	20	07/08/2020 2036
Methyl tertiary butyl ether (MTBE)	3.1	250	280		5	112	3.6	70-130	20	07/08/2020 2036
Naphthalene	2.7	250	270		5	107	4.1	70-130	20	07/08/2020 2036
tert-butyl alcohol (TBA)	71	5000	5500		5	108	0.20	70-130	20	07/08/2020 2036
Toluene	ND	250	270		5	109	3.6	70-130	20	07/08/2020 2036
Xylenes (total)	2.2	500	540		5	108	2.7	70-130	20	07/08/2020 2036
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		94	70-130							
Toluene-d8		105	70-130							
Bromofluorobenzene		104	70-130							

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59311-001

Matrix: Aqueous

Batch: 59311

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/08/2020 1105
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/08/2020 1105
Benzene	ND		1	1.0	0.40	ug/L	07/08/2020 1105
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/08/2020 1105
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/08/2020 1105
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/08/2020 1105
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/08/2020 1105
Ethanol	ND		1	100	52	ug/L	07/08/2020 1105
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/08/2020 1105
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/08/2020 1105
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/08/2020 1105
Naphthalene	ND		1	1.0	0.40	ug/L	07/08/2020 1105
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/08/2020 1105
Toluene	ND		1	1.0	0.40	ug/L	07/08/2020 1105
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/08/2020 1105
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		110	70-130				
Toluene-d8		103	70-130				
Bromofluorobenzene		102	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59311-002

Matrix: Aqueous

Batch: 59311

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	108	70-130	07/08/2020 0958
tert-Amyl methyl ether (TAME)	50	54		1	108	70-130	07/08/2020 0958
Benzene	50	46		1	92	70-130	07/08/2020 0958
tert-Butyl formate (TBF)	250	290		1	116	70-130	07/08/2020 0958
1,2-Dichloroethane	50	54		1	107	70-130	07/08/2020 0958
Diisopropyl ether (IPE)	50	47		1	94	70-130	07/08/2020 0958
3,3-Dimethyl-1-butanol	1000	890		1	89	70-130	07/08/2020 0958
Ethanol	5000	4500		1	91	70-130	07/08/2020 0958
Ethylbenzene	50	48		1	96	70-130	07/08/2020 0958
Ethyl-tert-butyl ether (ETBE)	50	48		1	95	70-130	07/08/2020 0958
Methyl tertiary butyl ether (MTBE)	50	48		1	97	70-130	07/08/2020 0958

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59311-002

Matrix: Aqueous

Batch: 59311

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	51		1	102	70-130	07/08/2020 0958
tert-butyl alcohol (TBA)	1000	1100		1	108	70-130	07/08/2020 0958
Toluene	50	48		1	96	70-130	07/08/2020 0958
Xylenes (total)	100	99		1	99	70-130	07/08/2020 0958
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		105	70-130				
Toluene-d8		95	70-130				
Bromofluorobenzene		99	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: VG02069-020MS

Matrix: Aqueous

Batch: 59311

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1900	1000	970	N	10	-96	70-130	07/08/2020 1932
tert-Amyl methyl ether (TAME)	ND	50	46		10	93	70-130	07/08/2020 1932
Benzene	280	50	68	N	10	-421	70-130	07/08/2020 1932
tert-Butyl formate (TBF)	ND	250	79	N	10	32	70-130	07/08/2020 1932
1,2-Dichloroethane	ND	50	47		10	94	70-130	07/08/2020 1932
Diisopropyl ether (IPE)	ND	50	38		10	76	70-130	07/08/2020 1932
3,3-Dimethyl-1-butanol	ND	1000	640	N	10	64	70-130	07/08/2020 1932
Ethanol	ND	5000	3000	N	10	60	70-130	07/08/2020 1932
Ethylbenzene	ND	50	40		10	81	70-130	07/08/2020 1932
Ethyl-tert-butyl ether (ETBE)	ND	50	37		10	74	70-130	07/08/2020 1932
Methyl tertiary butyl ether (MTBE)	ND	50	39		10	77	70-130	07/08/2020 1932
Naphthalene	12	50	41	N	10	59	70-130	07/08/2020 1932
tert-butyl alcohol (TBA)	29	1000	850		10	82	70-130	07/08/2020 1932
Toluene	ND	50	39		10	79	70-130	07/08/2020 1932
Xylenes (total)	210	100	100	N	10	-106	70-130	07/08/2020 1932
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		92	70-130					
Toluene-d8		80	70-130					
Bromofluorobenzene		80	70-130					

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59387-001

Matrix: Aqueous

Batch: 59387

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/08/2020 2246
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/08/2020 2246
Benzene	ND		1	1.0	0.40	ug/L	07/08/2020 2246
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/08/2020 2246
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/08/2020 2246
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/08/2020 2246
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/08/2020 2246
Ethanol	ND		1	100	52	ug/L	07/08/2020 2246
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/08/2020 2246
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/08/2020 2246
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/08/2020 2246
Naphthalene	ND		1	1.0	0.40	ug/L	07/08/2020 2246
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/08/2020 2246
Toluene	ND		1	1.0	0.40	ug/L	07/08/2020 2246
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/08/2020 2246
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		107	70-130				
Toluene-d8		104	70-130				
Bromofluorobenzene		104	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59387-002

Matrix: Aqueous

Batch: 59387

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	106	70-130	07/08/2020 2129
tert-Amyl methyl ether (TAME)	50	55		1	111	70-130	07/08/2020 2129
Benzene	50	47		1	95	70-130	07/08/2020 2129
tert-Butyl formate (TBF)	250	300		1	119	70-130	07/08/2020 2129
1,2-Dichloroethane	50	56		1	111	70-130	07/08/2020 2129
Diisopropyl ether (IPE)	50	48		1	96	70-130	07/08/2020 2129
3,3-Dimethyl-1-butanol	1000	870		1	87	70-130	07/08/2020 2129
Ethanol	5000	4700		1	94	70-130	07/08/2020 2129
Ethylbenzene	50	51		1	102	70-130	07/08/2020 2129
Ethyl-tert-butyl ether (ETBE)	50	48		1	96	70-130	07/08/2020 2129
Methyl tertiary butyl ether (MTBE)	50	51		1	101	70-130	07/08/2020 2129

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59387-002

Matrix: Aqueous

Batch: 59387

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Naphthalene	50	52		1	103	70-130	07/08/2020 2129
tert-butyl alcohol (TBA)	1000	1100		1	108	70-130	07/08/2020 2129
Toluene	50	50		1	100	70-130	07/08/2020 2129
Xylenes (total)	100	100		1	103	70-130	07/08/2020 2129
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		110	70-130				
Toluene-d8		100	70-130				
Bromofluorobenzene		100	70-130				

## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59560-001

Matrix: Aqueous

Batch: 59560

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/09/2020 2213
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/09/2020 2213
Benzene	ND		1	1.0	0.40	ug/L	07/09/2020 2213
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/09/2020 2213
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/09/2020 2213
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/09/2020 2213
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/09/2020 2213
Ethanol	ND		1	100	52	ug/L	07/09/2020 2213
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/09/2020 2213
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/09/2020 2213
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/09/2020 2213
Naphthalene	ND		1	1.0	0.40	ug/L	07/09/2020 2213
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/09/2020 2213
Toluene	ND		1	1.0	0.40	ug/L	07/09/2020 2213
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/09/2020 2213
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		99	70-130				
Toluene-d8		105	70-130				
Bromofluorobenzene		99	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59560-002

Matrix: Aqueous

Batch: 59560

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	112	70-130	07/09/2020 2057
tert-Amyl methyl ether (TAME)	50	56		1	112	70-130	07/09/2020 2057
Benzene	50	47		1	94	70-130	07/09/2020 2057
tert-Butyl formate (TBF)	250	300		1	122	70-130	07/09/2020 2057
1,2-Dichloroethane	50	51		1	103	70-130	07/09/2020 2057
Diisopropyl ether (IPE)	50	48		1	95	70-130	07/09/2020 2057
3,3-Dimethyl-1-butanol	1000	890		1	89	70-130	07/09/2020 2057
Ethanol	5000	4600		1	92	70-130	07/09/2020 2057
Ethylbenzene	50	51		1	101	70-130	07/09/2020 2057
Ethyl-tert-butyl ether (ETBE)	50	48		1	97	70-130	07/09/2020 2057
Methyl tertiary butyl ether (MTBE)	50	50		1	100	70-130	07/09/2020 2057
Naphthalene	50	52		1	103	70-130	07/09/2020 2057
tert-butyl alcohol (TBA)	1000	1100		1	112	70-130	07/09/2020 2057
Toluene	50	50		1	101	70-130	07/09/2020 2057
Xylenes (total)	100	100		1	101	70-130	07/09/2020 2057
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		101	70-130				
Bromofluorobenzene		99	70-130				

## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59728-001

Matrix: Aqueous

Batch: 59728

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/11/2020 1405
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/11/2020 1405
Benzene	ND		1	1.0	0.40	ug/L	07/11/2020 1405
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/11/2020 1405
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	07/11/2020 1405
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/11/2020 1405
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/11/2020 1405
Ethanol	ND		1	100	52	ug/L	07/11/2020 1405
Ethylbenzene	ND		1	1.0	0.40	ug/L	07/11/2020 1405
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/11/2020 1405
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	07/11/2020 1405

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59728-001

Matrix: Aqueous

Batch: 59728

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	07/11/2020 1405
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/11/2020 1405
Toluene	ND		1	1.0	0.40	ug/L	07/11/2020 1405
Xylenes (total)	ND		1	1.0	0.40	ug/L	07/11/2020 1405
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		85	70-130				
Toluene-d8		101	70-130				
Bromofluorobenzene		103	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59728-002

Matrix: Aqueous

Batch: 59728

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	940		1	94	70-130	07/11/2020 1259
tert-Amyl methyl ether (TAME)	50	52		1	104	70-130	07/11/2020 1259
Benzene	50	45		1	91	70-130	07/11/2020 1259
tert-Butyl formate (TBF)	250	230		1	94	70-130	07/11/2020 1259
1,2-Dichloroethane	50	43		1	86	70-130	07/11/2020 1259
Diisopropyl ether (IPE)	50	48		1	97	70-130	07/11/2020 1259
3,3-Dimethyl-1-butanol	1000	870		1	87	70-130	07/11/2020 1259
Ethanol	5000	3900		1	79	70-130	07/11/2020 1259
Ethylbenzene	50	47		1	95	70-130	07/11/2020 1259
Ethyl-tert-butyl ether (ETBE)	50	47		1	94	70-130	07/11/2020 1259
Methyl tertiary butyl ether (MTBE)	50	50		1	101	70-130	07/11/2020 1259
Naphthalene	50	48		1	96	70-130	07/11/2020 1259
tert-butyl alcohol (TBA)	1000	930		1	93	70-130	07/11/2020 1259
Toluene	50	47		1	94	70-130	07/11/2020 1259
Xylenes (total)	100	95		1	95	70-130	07/11/2020 1259
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		85	70-130				
Toluene-d8		93	70-130				
Bromofluorobenzene		92	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## Volatile Organic Compounds by GC/MS - MS

Sample ID: VG02069-017MS

Matrix: Aqueous

Batch: 59728

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1900	5000	6700		5	96	70-130	07/11/2020 2234
tert-Amyl methyl ether (TAME)	ND	250	270		5	108	70-130	07/11/2020 2234
Benzene	130	250	370		5	95	70-130	07/11/2020 2234
tert-Butyl formate (TBF)	ND	1300	64	N	5	5.1	70-130	07/11/2020 2234
1,2-Dichloroethane	ND	250	230		5	93	70-130	07/11/2020 2234
Diisopropyl ether (IPE)	ND	250	250		5	102	70-130	07/11/2020 2234
3,3-Dimethyl-1-butanol	ND	5000	4600		5	93	70-130	07/11/2020 2234
Ethanol	ND	25000	21000		5	84	70-130	07/11/2020 2234
Ethylbenzene	74	250	330		5	102	70-130	07/11/2020 2234
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	100	70-130	07/11/2020 2234
Methyl tertiary butyl ether (MTBE)	ND	250	280		5	111	70-130	07/11/2020 2234
Naphthalene	20	250	270		5	101	70-130	07/11/2020 2234
tert-butyl alcohol (TBA)	44	5000	5500		5	110	70-130	07/11/2020 2234
Toluene	260	250	510		5	100	70-130	07/11/2020 2234
Xylenes (total)	350	500	860		5	102	70-130	07/11/2020 2234
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		90	70-130					
Toluene-d8		100	70-130					
Bromofluorobenzene		98	70-130					

## Volatile Organic Compounds by GC/MS - MSD

Sample ID: VG02069-017MD

Matrix: Aqueous

Batch: 59728

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	1900	5000	6700		5	96	0.067	70-130	20	07/11/2020 2259
tert-Amyl methyl ether (TAME)	ND	250	270		5	109	1.1	70-130	20	07/11/2020 2259
Benzene	130	250	370		5	93	0.99	70-130	20	07/11/2020 2259
tert-Butyl formate (TBF)	ND	1300	63	N	5	5.0	1.3	70-130	20	07/11/2020 2259
1,2-Dichloroethane	ND	250	230		5	91	2.1	70-130	20	07/11/2020 2259
Diisopropyl ether (IPE)	ND	250	250		5	102	0.085	70-130	20	07/11/2020 2259
3,3-Dimethyl-1-butanol	ND	5000	4600		5	93	0.23	70-130	20	07/11/2020 2259
Ethanol	ND	25000	21000		5	85	1.2	70-130	20	07/11/2020 2259
Ethylbenzene	74	250	330		5	101	1.2	70-130	20	07/11/2020 2259
Ethyl-tert-butyl ether (ETBE)	ND	250	250		5	99	0.68	70-130	20	07/11/2020 2259
Methyl tertiary butyl ether (MTBE)	ND	250	280		5	110	0.31	70-130	20	07/11/2020 2259

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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# Volatile Organic Compounds by GC/MS - MSD

Sample ID: VG02069-017MD

Matrix: Aqueous

Batch: 59728

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Naphthalene	20	250	270		5	99	1.2	70-130	20	07/11/2020 2259
tert-butyl alcohol (TBA)	44	5000	5600		5	111	1.1	70-130	20	07/11/2020 2259
Toluene	260	250	510		5	97	1.4	70-130	20	07/11/2020 2259
Xylenes (total)	350	500	860		5	101	0.11	70-130	20	07/11/2020 2259
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		88	70-130							
Toluene-d8		99	70-130							
Bromofluorobenzene		96	70-130							

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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## EDB & DBCP by Microextraction - MB

Sample ID: VQ59116-001  
 Batch: 59116  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 07/07/2020 0945

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	07/10/2020 0920
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		95	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: VQ59116-002  
 Batch: 59116  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 07/07/2020 0945

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	97	60-140	07/10/2020 0931
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		82	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: VG02069-001MS  
 Batch: 59116  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 07/07/2020 0945

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.24		1	97	60-140	07/10/2020 1003
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		89	57-137					

LOQ = Limit of Quantitation

DL = Detection Limit

LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

ND = Not detected at or above the DL

N = Recovery is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

## EDB & DBCP by Microextraction - Duplicate

Sample ID: VG02069-002DU  
 Batch: 59116  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 07/07/2020 0945

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	07/10/2020 1025
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		92					

## EDB & DBCP by Microextraction - MB

Sample ID: VQ59117-001  
 Batch: 59117  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 07/07/2020 0946

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	07/10/2020 1401
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		88					

## EDB & DBCP by Microextraction - LCS

Sample ID: VQ59117-002  
 Batch: 59117  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 07/07/2020 0946

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.24		1	96	60-140	07/10/2020 1412
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		87					

LOQ = Limit of Quantitation

DL = Detection Limit

LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

ND = Not detected at or above the DL

N = Recovery is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

## EDB & DBCP by Microextraction - MS

Sample ID: VG02069-021MS

Matrix: Aqueous

Batch: 59117

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/07/2020 0946

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.29		1	121	60-140	07/10/2020 1434
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		100	57-137					

## EDB & DBCP by Microextraction - Duplicate

Sample ID: VG02069-022DU

Matrix: Aqueous

Batch: 59117

Prep Method: 8011

Analytical Method: 8011

Prep Date: 07/07/2020 0946

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		5	0.00	20	07/14/2020 1216
Surrogate	Q	% Rec					
1,1,1,2-Tetrachloroethane		123					

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Number 108835

Client <b>Terry Environmental Services</b>		Report to Contact <b>Kelly Cone</b>		Telephone No. / E-mail <b>843-873-8200</b>		Quote No.	
Address <b>PO Box 25</b>		Sampler's Signature <i>Langston Jones</i>		Analysis (Attach list if more space is needed)			
City <b>Summerville</b>	State <b>SC</b>	Zip Code <b>29484</b>	Printed Name <b>Langston Jones</b>	STEAM TOWER DIST # 211 EDB-8011			
Project Name <b>Maruti Kundal</b>		Project No. <b>2171.9L</b>					
M.O. No.		Matrix		No. of Containers by Preservative Type			
Sample ID / Description (Containers for each sample may be combined on one line.)		Collection Date(s)	Collection Time (Military)	Quantity	None	Acid	Other
02314 MW-22		6-30-20	1800	9	X		
MW-21			1911	0			
DW-2			1935				
MW-3			2036				
DW-1			2049				
FB-2		7-1-20	0800				
MW-12			0838				
MW-27			0901				
DW-3			0940				
MW-25			0942				
Turn Around Time Required (Prior lab approval required for expedited TAT.)		Sample Disposal		Possible Hazard Identification		GC Requirements (Specify)	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Toxic <input type="checkbox"/> Unknown			
1. Relinquished by <i>Langston Jones</i>		Date <b>7-2-2020</b>	Time <b>0905</b>	1. Received by <i>Kevin Sisk</i>		Date <b>7/2/20</b>	Time <b>0905</b>
2. Relinquished by <i>Maruti Kundal</i>		Date <b>7/2/2020</b>	Time <b>1300</b>	2. Received by		Date	Time
3. Relinquished by		Date	Time	3. Received by		Date	Time
4. Relinquished by		Date	Time	4. Laboratory received by <i>[Signature]</i>		Date <b>7/2/20</b>	Time <b>1300</b>
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAB USE ONLY		Temp Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
				Received on ice (Circle) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Receipt Temp. <b>4.0</b> °C	

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Document Number: NE0392-01

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Number 108834

Client <b>Terry Environmental Services</b>		Report to Contact <b>Kelly Cone</b>		Telephone No. / E-mail <b>843-873-8200</b>		Quote No.	
Address <b>PO Box 25</b>		Sampler's Signature <i>Laraston Jones</i>		Analysis (Attach list if more space is needed)		Page <b>3</b> of <b>4</b>	
City <b>Summerville</b>	State <b>SC</b>	Zip Code <b>29484</b>	Printed Name <b>Laraston Jones</b>	Matrix No of Containers by Preservative Type Matrix: <b>g X</b> No of Containers: <b>5</b> Preservative Type: <b>3 2</b> Other: <b>108-501</b>		Lot # Bar Code <b>VG02069</b>	
Project Name <b>Maruti Kundal</b>		Project No. <b>2171.9L</b>				KIN2 PBI/INRA / LUDINI S.A.	
Sample ID / Description <small>(Containers for each sample may be combined on one line.)</small>		Collection Date(s)	Collection Time (Militar.)	Matrix	No of Containers by Preservative Type		
<b>02314</b>	<b>MW-24</b>	<b>7-1-20</b>	<b>1004</b>	<b>g X</b>	<b>5</b>	<b>3</b>	<b>2</b>
	<b>MW-23</b>	<b>✓</b>	<b>1036</b>	<b>g</b>			
	<b>MW-8</b>	<b>✓</b>	<b>1115</b>				
	<b>MW-7</b>	<b>✓</b>	<b>1130</b>				
	<b>RW-1</b>	<b>✓</b>	<b>1202</b>				
	<b>MW-2R</b>	<b>✓</b>	<b>1213</b>				
	<b>RW-3</b>	<b>✓</b>	<b>1423</b>				
	<b>MW-15</b>	<b>✓</b>	<b>1441</b>				
	<b>RW-2</b>	<b>✓</b>	<b>1524</b>				
	<b>MW-13</b>	<b>✓</b>	<b>1640</b>				
Turn Around Time Required (Prior lab approval required for expedited TAT.)		Sample Disposal		Possible Hazard Identification		OC Requirements (Specify)	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		<input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Deposit by Lab		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown			
1. Relinquished by <i>Laraston Jones</i>	Date <b>7/2/2020</b>	Time <b>09:05</b>	1. Received by <i>[Signature]</i>	Date <b>7/2/2020</b>	Time <b>09:05</b>		
2. Relinquished by <i>[Signature]</i>	Date <b>7/2/2020</b>	Time <b>1:30</b>	2. Received by	Date	Time		
3. Relinquished by	Date	Time	3. Received by	Date	Time		
4. Relinquished by	Date	Time	4. Laboratory received by <i>[Signature]</i>	Date <b>7/2/20</b>	Time <b>1:30</b>		
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAB USE ONLY Received on ice (Circle) Yes No ice Pack		Receipt Temp <b>4.0</b> °C Temp Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

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Document Number: ME003N2-01

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Number 108833

Client <b>Terry Environmental Services</b>		Report to Contact <b>Kelly Corne</b>		Telephone No. / E-mail <b>843-873-8200</b>		Quote No.	
Address <b>PO Box 25</b>		Sampler's Signature <i>Langston Jones</i>		Analysts (Attach kal if more space is needed)		Page <b>4 of 4</b>	
City <b>Summerville</b>	State <b>SC</b>	Zip Code <b>29484</b>	Printed Name <b>Langston Jones</b>	Matrix No of Containers by Preservative Type 11 EDB-80 3 2 2 0		Lot # Bar Code <b>VG02069</b>	
Project Name <b>Maruti Kundal</b>		P.O. No. <b>U</b>				KMS	
Project No. <b>2171.9L</b>		Collection Date		Collection Time (Military)		Sample ID / Description (Containers for each sample may be combined on one line.)	
		7-1-20		1645		MW-13 dup ✓	
				1707		MW-20 ✓	
				1710		RW-5 ✓	
				1712		RW-5 dup ✓	
				1735		RW-4 ✓	
				1745		SW-1 ✓	
						Trip Blank ✓	
Type/Amount Time Required (Prior lab approval required for expedited MAT.)		Sample Disposal		Possible Hazard Identification		QC Requirements (Specify)	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown			
1. Relinquished by <i>Langston Jones</i>		Date <b>7-2-2020</b> Time <b>0905</b>		1. Received by <i>Simon Smith</i>		Date <b>7/2/2020</b> Time <b>0905</b>	
2. Relinquished by <i>Simon Smith</i>		Date <b>7/2/2020</b> Time <b>1300</b>		2. Received by		Date Time	
3. Relinquished by		Date Time		3. Received by		Date Time	
4. Relinquished by		Date Time		5. Received by <i>Langston Jones</i>		Date <b>7/2/20</b> Time <b>1300</b>	
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAD USE ONLY Received on Ice (Circle) Yes No Ice Pack		Receipt Temp. <b>4.0</b> °C Temp Blank <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-retain Client Copy

Document Number: MED02N2-01

# PACE ANALYTICAL SERVICES, LLC

Shealy Environmental Services, Inc.  
Document Number: ME0015C-14

Page 1 of 1  
Effective Date: 8/2/2018

## Sample Receipt Checklist (SRC)

Client: Towson Env. Cooler Inspected by/date: VMM21 7/6/20 Lot #: V602069

Means of receipt: <input type="checkbox"/> SESI <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: <u>N/A</u> Chlorine Strip ID: <u>N/A</u> Tested by: <u>N/A</u>	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: <u>N/A</u>	
<u>4.0/ 4.0 °C</u> <u>N/A/ N/A °C</u> <u>N/A/ N/A °C</u> <u>N/A/ N/A °C</u>	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: <u>5</u> IR Gun Correction Factor: <u>0</u> °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH <sub>3</sub> /TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote # NA
<b>Sample Preservation</b> (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) <u>N/A</u> were received incorrectly preserved and were adjusted accordingly in sample receiving with <u>N/A</u> mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # <u>N/A</u> .	
Time of preservation <u>N/A</u> . If more than one preservative is needed, please note in the comments below.	
Sample(s) <u>N/A</u> were received with bubbles >6 mm in diameter.	
Sample(s) <u>N/A</u> were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) with Shealy ID: <u>N/A</u> .	
SR barcode labels applied by: <u>KMN/2</u> Date: <u>7/6/2020</u>	

Comments:

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## Report of Analysis

**Terry Environmental Services, Inc.**  
222 Varnfield Drive  
Suite F  
Summerville, SC 29483  
Attention: Kelly Cone

Project Name: Marati Kundal  
Project Number: 2171.9L  
Lot Number: **VG02068**  
Date Completed: 07/15/2020

*Kelly M Nance*

07/15/2020 10:55 AM  
Approved and released by:  
Project Manager II: **Kelly M. Nance**



The electronic signature above is the equivalent of a handwritten signature.  
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# PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

## **Case Narrative Terry Environmental Services, Inc. Lot Number: VG02068**

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Pace Analytical Services, LLC ("Pace") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Pace policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

# PACE ANALYTICAL SERVICES, LLC

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## Sample Summary Terry Environmental Services, Inc. Lot Number: VG02068

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	02314 WSW-FB-1	Aqueous	07/01/2020 1810	07/02/2020
002	02314 WSW-1	Aqueous	07/01/2020 1821	07/02/2020
003	02314 WSW-1 dup	Aqueous	07/01/2020 1823	07/02/2020
004	02314 Trip Blank	Aqueous	07/01/2020	07/02/2020

(4 samples)

# PACE ANALYTICAL SERVICES, LLC

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**Detection Summary**  
**Terry Environmental Services, Inc.**  
**Lot Number: VG02068**

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Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
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(0 detections)

Description: 02314 WSW-FB-1

Matrix: Aqueous

Date Sampled: 07/01/2020 1810

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	524.2	524.2	1	07/08/2020 0937	TML		59247	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene	71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane	107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene	100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene	91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene	108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)	1330-20-7	524.2	ND		0.50	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Bromofluorobenzene		85	70-130					
1,2-Dichlorobenzene-d4		83	70-130					

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260D	1	07/07/2020 1352	JAN		59154	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		90	70-130					
Toluene-d8		102	70-130					
Bromofluorobenzene		100	70-130					

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	504.1	504.1	1	07/09/2020 1247	JJG	07/09/2020 0845	59414	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.0099	0.0040	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW-FB-1

Matrix: Aqueous

Date Sampled: 07/01/2020 1810

Date Received: 07/02/2020

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		93	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and  $\geq$  DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW-1

Matrix: Aqueous

Date Sampled: 07/01/2020 1821

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	524.2	524.2	1	07/08/2020 1005	TML		59247	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene	71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane	107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene	100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene	91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene	108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)	1330-20-7	524.2	ND		0.50	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
Bromofluorobenzene		85	70-130					
1,2-Dichlorobenzene-d4		81	70-130					

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	5030B	8260D	1	07/07/2020 1909	JAN		59154	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits					
1,2-Dichloroethane-d4		91	70-130					
Toluene-d8		101	70-130					
Bromofluorobenzene		101	70-130					

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch	
1	504.1	504.1	1	07/09/2020 1312	JJG	07/09/2020 0845	59414	
Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.0098	0.0039	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW-1

Matrix: Aqueous

Date Sampled: 07/01/2020 1821

Date Received: 07/02/2020

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		87	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and  $\geq$  DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW-1 dup

Matrix: Aqueous

Date Sampled: 07/01/2020 1823

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	524.2	524.2	1	07/14/2020 1336	TML		59988

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene	71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane	107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene	100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene	91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene	108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)	1330-20-7	524.2	ND		0.50	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		96	70-130
1,2-Dichlorobenzene-d4		96	70-130

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/07/2020 1935	JAN		59154

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		102	70-130
Bromofluorobenzene		101	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	504.1	504.1	1	07/09/2020 1336	JJG	07/09/2020 0845	59414

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	504.1	ND		0.0096	0.0038	ug/L	1

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 WSW-1 dup

Matrix: Aqueous

Date Sampled: 07/01/2020 1823

Date Received: 07/02/2020

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		102	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and  $\geq$  DL

H = Out of holding time

W = Reported on wet weight basis

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Description: 02314 Trip Blank

Matrix: Aqueous

Date Sampled: 07/01/2020

Date Received: 07/02/2020

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	524.2	524.2	1	07/08/2020 0910	TML		59247

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
Benzene	71-43-2	524.2	ND		0.50	0.40	ug/L	1
1,2-Dichloroethane	107-06-2	524.2	ND		0.50	0.40	ug/L	1
Ethylbenzene	100-41-4	524.2	ND		0.50	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	524.2	ND		0.50	0.40	ug/L	1
Naphthalene	91-20-3	524.2	ND		0.50	0.40	ug/L	1
Toluene	108-88-3	524.2	ND		0.50	0.40	ug/L	1
Xylenes (total)	1330-20-7	524.2	ND		0.50	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		85	70-130
1,2-Dichlorobenzene-d4		83	70-130

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	07/07/2020 2000	JAN		59154

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		101	70-130
Bromofluorobenzene		100	70-130

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

H = Out of holding time

W = Reported on wet weight basis

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## QC Summary

## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59154-001

Matrix: Aqueous

Batch: 59154

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	07/07/2020 1236
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	07/07/2020 1236
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	07/07/2020 1236
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	07/07/2020 1236
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	07/07/2020 1236
Ethanol	ND		1	100	52	ug/L	07/07/2020 1236
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	07/07/2020 1236
tert-butyl alcohol (TBA)	ND		1	20	0.40	ug/L	07/07/2020 1236

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		103	70-130
Bromofluorobenzene		101	70-130

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59154-002

Matrix: Aqueous

Batch: 59154

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	108	70-130	07/07/2020 1126
tert-Amyl methyl ether (TAME)	50	54		1	108	70-130	07/07/2020 1126
tert-Butyl formate (TBF)	250	230		1	92	70-130	07/07/2020 1126
Diisopropyl ether (IPE)	50	49		1	99	70-130	07/07/2020 1126
3,3-Dimethyl-1-butanol	1000	1000		1	105	70-130	07/07/2020 1126
Ethanol	5000	4700		1	93	70-130	07/07/2020 1126
Ethyl-tert-butyl ether (ETBE)	50	50		1	101	70-130	07/07/2020 1126
tert-butyl alcohol (TBA)	1000	1100		1	106	70-130	07/07/2020 1126

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		96	70-130
Bromofluorobenzene		96	70-130

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59247-001

Matrix: Aqueous

Batch: 59247

Prep Method: 524.2

Analytical Method: 524.2

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Benzene	ND		1	0.50	0.40	ug/L	07/08/2020 0844
1,2-Dichloroethane	ND		1	0.50	0.40	ug/L	07/08/2020 0844
Ethylbenzene	ND		1	0.50	0.40	ug/L	07/08/2020 0844
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.40	ug/L	07/08/2020 0844
Naphthalene	ND		1	0.50	0.40	ug/L	07/08/2020 0844
Toluene	ND		1	0.50	0.40	ug/L	07/08/2020 0844
Xylenes (total)	ND		1	0.50	0.40	ug/L	07/08/2020 0844
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		88	70-130				
1,2-Dichlorobenzene-d4		89	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59247-002

Matrix: Aqueous

Batch: 59247

Prep Method: 524.2

Analytical Method: 524.2

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	5.0	5.5		1	109	70-130	07/08/2020 0741
1,2-Dichloroethane	5.0	4.9		1	99	70-130	07/08/2020 0741
Ethylbenzene	5.0	5.7		1	114	70-130	07/08/2020 0741
Methyl tertiary butyl ether (MTBE)	5.0	5.4		1	108	70-130	07/08/2020 0741
Naphthalene	5.0	5.4		1	108	70-130	07/08/2020 0741
Toluene	5.0	5.7		1	115	70-130	07/08/2020 0741
Xylenes (total)	10	12		1	117	70-130	07/08/2020 0741
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		106	70-130				
1,2-Dichlorobenzene-d4		100	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: VQ59988-001

Matrix: Aqueous

Batch: 59988

Prep Method: 524.2

Analytical Method: 524.2

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Benzene	ND		1	0.50	0.40	ug/L	07/14/2020 1309
1,2-Dichloroethane	ND		1	0.50	0.40	ug/L	07/14/2020 1309
Ethylbenzene	ND		1	0.50	0.40	ug/L	07/14/2020 1309
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.40	ug/L	07/14/2020 1309
Naphthalene	ND		1	0.50	0.40	ug/L	07/14/2020 1309
Toluene	ND		1	0.50	0.40	ug/L	07/14/2020 1309
Xylenes (total)	ND		1	0.50	0.40	ug/L	07/14/2020 1309
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		98	70-130				
1,2-Dichlorobenzene-d4		96	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: VQ59988-002

Matrix: Aqueous

Batch: 59988

Prep Method: 524.2

Analytical Method: 524.2

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Benzene	5.0	4.7		1	94	70-130	07/14/2020 1215
1,2-Dichloroethane	5.0	4.7		1	94	70-130	07/14/2020 1215
Ethylbenzene	5.0	4.8		1	96	70-130	07/14/2020 1215
Methyl tertiary butyl ether (MTBE)	5.0	4.4		1	87	70-130	07/14/2020 1215
Naphthalene	5.0	4.6		1	91	70-130	07/14/2020 1215
Toluene	5.0	4.9		1	97	70-130	07/14/2020 1215
Xylenes (total)	10	9.5		1	95	70-130	07/14/2020 1215
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		95	70-130				
1,2-Dichlorobenzene-d4		94	70-130				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - MB

Sample ID: VQ59414-001  
 Batch: 59414  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 07/09/2020 0845

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.010	0.0040	ug/L	07/09/2020 1211
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		101	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: VQ59414-002  
 Batch: 59414  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 07/09/2020 0845

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.27		1	107	70-130	07/09/2020 1223
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		104	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: VG02068-001MS  
 Batch: 59414  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 07/09/2020 0845

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.23		1	97	70-130	07/09/2020 1300
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		94	57-137					

LOQ = Limit of Quantitation

DL = Detection Limit

LOD = Limit of Detection

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

ND = Not detected at or above the DL

N = Recovery is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - Duplicate

Sample ID: VG02068-002DU

Matrix: Aqueous

Batch: 59414

Prep Method: 504.1

Analytical Method: 504.1

Prep Date: 07/09/2020 0845

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	% RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	07/09/2020 1324
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		97	57-137				

LOQ = Limit of Quantitation

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

+ = RPD is out of criteria

LOD = Limit of Detection

ND = Not detected at or above the DL

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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**Chain of Custody  
and  
Miscellaneous Documents**



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 Telephone No. 803-791-9700 Fax No. 803-791-9111  
 www.pacelabs.com

Number 108831

Client: Terry Environmental Services		Report to Contact: Kelly Come		Telephone No. / E-mail: 843-873-8202		Quote No.			
Address: PO Box 25		Sampler's Signature: <i>Langston Jones</i>		Analysis (Attach list if more space is needed)		Page 1 of 1			
City: Summerville	State: SC	Zip Code: 29484	Printed Name: Langston Jones	Matrix: N-25203 Analysis: BTEX M+P+1,2-PA, 52012, Oxygenates + Eth, EDB-504.1					
Project Name: Maruti Kundal		Project No.: 2171.9L							
Sample ID / Description		Collection Date(s)	Collection Time (M:PM)	Matrix	No. of Containers by Preservative Type			Remarks / Cooler I.D.	
(Containers for each sample may be combined on one line)									
02314 WSW-FB-1		7-1-20	1810	g X		5	23	2 2	Drinking
WSW-1		✓	1821			1	1	1	Water
WSW-1 dup		✓	1823			1	1	1	
Top Blank		✓	-			3	0	2 1 0	



Turn Around Time Required (Prior lab approval required for unspecified TAT.) <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)	Sample Disposal <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab	Possibly Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown	QC Requirements (Specify)
1. Relinquished by: <i>Langston Jones</i>	Date: 7-2-2020 Time: 0905	1. Received by: <i>Kevin Smith</i>	Date: 7/2/2020 Time: 0905
2. Relinquished by: <i>Kevin Smith</i>	Date: 7/2/2020 Time: 1300	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	3. Received by:	Date: Time:
4. Relinquished by:	Date: Time:	4. Laboratory received by: <i>[Signature]</i>	Date: 7/2/2020 Time: 1300
Note: All samples are retained for four weeks from receipt unless other arrangements are made.		ICAR USE ONLY Received on Ice (Crate) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ice Pack	Receipt Term: 14 °C Temp Blank <input checked="" type="checkbox"/> <input type="checkbox"/> N

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PACE ANALYTICAL SERVICES, LLC

# PACE ANALYTICAL SERVICES, LLC

Shealy Environmental Services, Inc.  
Document Number: M30018C-14

Page 1 of 1  
Effective Date: 8/2/2018

## Sample Receipt Checklist (SRC)

Client: Tecny Env. Cooler Inspected by/date: DTW 7/3/2020 Lot #: VG02018

Means of receipt: <input type="checkbox"/> SESI <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: <u>N/A</u> Chlorine Strip ID: <u>N/A</u> Tested by: <u>N/A</u>	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: <u>N/A</u>	
<u>14/14 °C</u> <u>NA/NA °C</u> <u>NA/NA °C</u> <u>NA/NA °C</u>	
Method: <input type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: <u>5</u> IR Gun Correction Factor: <u>0</u> °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Were sample IDs listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Was collection date & time listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Was collection date & time listed on all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Was adequate sample volume available?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	14. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	19. Were all applicable NH <sub>3</sub> /TKN/cyanide/phenol/625 (< 0.5mg/L) samples free of residual chlorine?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	21. Was the quote number listed on the container label? If yes, Quote # NA
<b>Sample Preservation</b> (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) <u>N/A</u> were received incorrectly preserved and were adjusted accordingly in sample receiving with <u>N/A</u> mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # <u>N/A</u>	
Time of preservation <u>N/A</u> . If more than one preservative is needed, please note in the comments below.	
Sample(s) <u>N/A</u> were received with bubbles >6 mm in diameter.	
Sample(s) <u>N/A</u> were received with TRC > 0.5 mg/L. (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) with Shealy ID: <u>N/A</u>	
SR barcode labels applied by: <u>DTW/BEB</u> Date: <u>7/3/2020</u>	

Comments:

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**APPENDIX C**

**Tax Map  
(Not Applicable)**

**APPENDIX D**

**Soil Boring/Field Screening Logs  
(Not Applicable)**



**APPENDIX E**

**Well Completion Logs/SCDHEC 1903 Forms  
(Not Applicable)**

**APPENDIX F**

**Aquifer Evaluation Forms  
(Not Applicable)**

**APPENDIX G**  
**Disposal Manifest**

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>Maruti Kundal Cheraw, SC (Former Windsor Mart)</i>		Phone ( )	
3. Agent of Generator and Mailing Address: <i>Terry Environmental Services PO Box 25 Summerville, SC 29434</i>		P O #: <i>21719L USF# 02314</i>	
4. Transporter Company Name: <i>↓</i>		Phone ( )	
Truck & Trailer License Number:		Phone: (843) 797-3111	
5. Transporter U.S. EPA ID#:		Fax: (843) 797-1884	
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description		Container	Unit
		No.	Type
a. Non-Hazardous, non-regulated waste water			<i>gal</i>
			<i>365</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Langston Jones</i>		Signature: <i>Langston Jones (as agent)</i>	Date: <i>7-2-2020</i>
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name:		Signature:	Date:
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name:		Signature: <i>Maruti Kundal</i>	Date: <i>7-9-20</i>

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator

24247

**APPENDIX H**

**Local Zoning Regulations  
(Not Applicable)**

**APPENDIX I**

**Fate and Transport Modeling Data  
(Not Applicable)**

**APPENDIX J**

**Access Agreements  
(Not Applicable)**

## **APPENDIX K**

### **Data Verification Checklist**



## Contractor Checklist – Maruti Kundal (Former Windsor Mart)

**UST Permit #02314 - TERRY Project #2171.9L**

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.



Healthy People. Healthy Communities.

AUG 26 2020



JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Site-Specific Work Plan Request for Monitoring Well Installation**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy, Cheraw, SC  
UST Permit #02314  
Release reported December 6, 1991  
Monitoring Report received July 31, 2020  
Chesterfield County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels (RBSLs). To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina UST Control Regulations R.61-92, implementation of monitoring well installation is necessary.

The next appropriate scope of work is to install three shallow monitoring wells in the vicinity of the proposed locations indicated on the enclosed site map.

The assessment must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP) and in compliance with all applicable regulations. A copy of the UST QAPP is available at [scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance](http://scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance).

**Your contractor must complete the Site-Specific Work Plan (SSWP) if your contractor has an approved Annual Contractor Quality Assurance Plan (ACQAP). The SSWP and Cost Proposal must be submitted within 30 days from the date of this letter.** Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

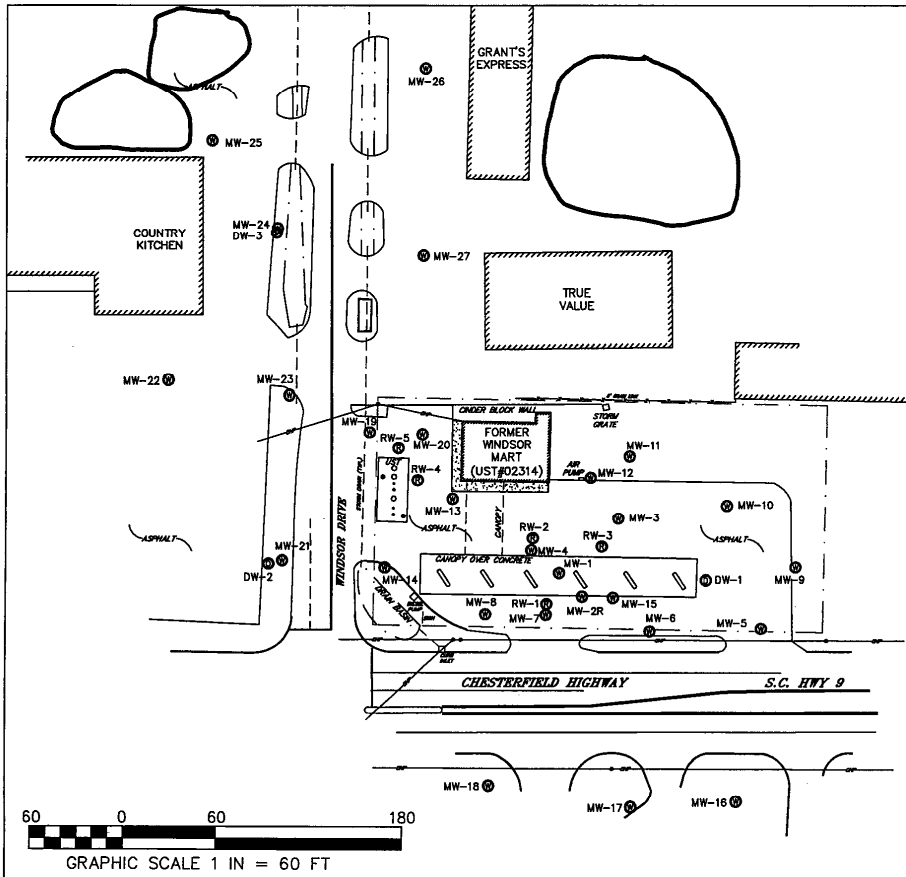
On all correspondence regarding this site, please reference UST Permit #02314. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-2446, fax me at (803) 898-0673, or e-mail me at [feltzal@dhec.sc.gov](mailto:feltzal@dhec.sc.gov).

Sincerely,

Amanda Feltz, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Site Map

cc: Terry Environmental Services, Inc. P.O. Box 25, Summerville, SC 29484 (w/enc)  
Technical File (w/enc)



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- ||||| BUILDING

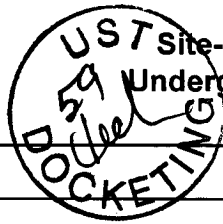
All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9L	02314
SCALE 1" = 60'	DATE July 2020



UST Site-Specific Work Plan for Approved ACQAP Undergr... Management Division

To: Amanda Feltz (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number: UCC-0223

Facility Name: Maruti Kundal (Former Windsor Mart) UST Permit #: 02314
Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520
Responsible Party: Jackson Oil Company, Inc. Phone: 843-537-7080
RP Address: 755 South 4th Street, Hartsville, SC 29550
Property Owner (if different): n/a
Property Owner Address: n/a
Current Use of Property: Gas Station and Convenience Store (Corner Cupboard)

Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, Other, GAC

Analyses (Please check all that apply)

- Groundwater/Surface Water: BTEXNMDCA, Oxygenates, EDB, PAH, Lead, 8 RCRA Metals, TPH, pH, BOD, Nitrate, Sulfate, Other, Methane, Ethanol, Dissolved Iron
Drinking Water Supply Wells: BTEXNMDCA, Oxygenates & Ethanol, Mercury, RCRA Metals, EDB
Soil: BTEXNM, PAH, Lead, Oil & Grease, RCRA Metals, TPH-DRO, TPH-GRO, Grain Size, TOC
Air: BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

Soil, Monitoring Wells, Water Supply Wells, Surface Water, Air, Duplicate, Field Blank, Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage: -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: 3 Estimated Footage: 66' (3 x 22') feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: TERRY proposes 15' screened intervals as the depth to water has historically fluctuated between 7-16 feet below top of casing in the vicinity of the proposed wells (MW-24 through MW-27).

UST Permit #: 02314 Facility Name: Maruti Kundal (Former Windsor Mart)

**Implementation Schedule** (Number of calendar days from approval)  
Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days  
Report Submittal: 60 days # of Copies Provided to Property Owners: n/a

**Aquifer Characterization**  
Pump Test:  Slug Test:  (Check one and provide explanation below for choice)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Investigation Derived Waste Disposal**  
Soil: 2 Tons Purge Water: 110 Gallons  
Drilling Fluids: 55 Gallons Free-Phase Product: -- Gallons

**Additional Details For This Scope of Work**  
For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.  
Per SCDHEC request, three additional shallow monitoring wells will be installed in the vicinity of the areas as shown on Figure 2 once off-site access has been secured and utilities have been confirmed. Following completion and well development a subsequent survey will be conducted.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Compliance With Annual Contractor Quality Assurance Plan (ACQAP)**  
\_\_\_\_ Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.  
Name of Laboratory: \_\_\_\_\_  
SCDHEC Certification Number: \_\_\_\_\_  
Name of Laboratory Director: \_\_\_\_\_  
  
Yes Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.  
Name of Well Driller: \_\_\_\_\_  
SCLLR Certification Number: \_\_\_\_\_  
  
\_\_\_\_ Other variations from ACQAP. Please describe below.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attachments**

1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:  
North Arrow Proposed monitoring well locations  
Location of property lines Legend with facility name and address, UST permit number, and bar scale  
Location of buildings Streets or highways (indicate names and numbers)  
Previous soil sampling locations Location of all present and former ASTs and USTs  
Previous monitoring well locations Location of all potential receptors  
Proposed soil boring locations
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



ASSESSMENT COMPONENT INVOICE

SOUTH CAROLINA

Department of Health and Environmental Control  
 Underground Storage Tank Management Division  
 State Underground Petroleum Environmental Response Bank Account  
 January 1, 2020

Facility Name: **Maruti Kundal (Former Windsor Mart)**

UST Permit #: **02314**

Cost Agreement #:

Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>A. Plan Preparation</b>				
1. Site-specific Work Plan	1	each	\$160.05	\$160.05
2. Tax Map		each	\$74.69	\$0.00
3. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
<b>B. Receptor Survey *</b>				
		each	\$587.92	\$0.00
<b>C. Survey (500 ft x 500 ft)</b>				
1. Comprehensive Survey		each	\$1,109.68	\$0.00
Subsurface Geophysical Survey				
2. < 10 meters below grade		each	\$1,387.10	\$0.00
3. > 10 meters below grade		each	\$2,464.77	\$0.00
4. Geophysical UST or Drum Survey		each	\$970.97	\$0.00
<b>D. Mob/Demob</b>				
1. Equipment		each	\$1,088.34	\$0.00
2. Personnel (I, Q)	2	each	\$451.34	\$902.68
3. Adverse Terrain Vehicle		each	\$533.50	\$0.00
<b>E.. Soil Borings (hand auger)*</b>				
		foot	\$5.34	\$0.00
<b>F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including water ssample, soil sample, soil gas sample, etc.)*</b>				
1. Standard		per foot	\$16.01	\$0.00
2. Fractured Rock		per foot	\$21.55	\$0.00
<b>G. Soil Leachability Model</b>				
		each	\$64.02	\$0.00
<b>H. Abandonment (per foot)*</b>				
1. 2" diameter or less		per foot	\$3.31	\$0.00
2. Greater than 2" to 6" diameter		per foot	\$4.80	\$0.00
3. Dug/Bored well (up to 6 feet diameter)		per foot	\$16.00	\$0.00
<b>I. Well Installation (per foot)*</b>				
1. Water Table (hand augered)		per foot	\$11.31	\$0.00
2. Water Table (drill rig) 2" Diameter	66	per foot	\$40.55	\$2,676.30
3. Telescoping		per foot	\$53.35	\$0.00
4. Rock Drilling		per foot	\$61.89	\$0.00
5. 2" Rock Coring		per foot	\$32.97	\$0.00
6. Rock Multi-sampling ports/screens		per foot	\$35.64	\$0.00
7. Recovery Well (4" diameter)		per foot	\$48.02	\$0.00
8. Pushed Pre-packed screen (1.25" dia)		per foot	\$16.01	\$0.00
9. Rotosonic (2" diameter)		per foot	\$46.95	\$0.00
10. Re-develop Existing Well		per foot	\$11.74	\$0.00
<b>J. Groundwater Sample Collection / Gauge Depth to Water or Product *</b>				
1. Groundwater Purge		per well	\$64.02	\$0.00
2. Air or Vapors		sample	\$12.80	\$0.00
3. Water Supply Sample () or Duplicate ()		sample	\$23.47	\$0.00
4. Groundwater NP (), SW (), Dup (), or Grab		sample	\$29.88	\$0.00
5. Gauge Well only		sample	\$7.47	\$0.00
6. Sample Below Product		sample	\$12.80	\$0.00
7. Passive Diffusion Bag		sample	\$27.74	\$0.00
8. Field Blank		sample	\$26.25	\$0.00
9. Groundwater (low flow purge)		sample	\$97.10	\$0.00
10. Equipment Blank		sample	\$26.25	\$0.00

<b>K. Laboratory Analyses-Groundwater</b>					
1. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)		per sample	\$130.17		\$0.00
2. Lead, Filtered		per sample	\$14.72		\$0.00
3. Rush EPA Method 8260B		per sample	\$163.89		\$0.00
4. Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$29.88		\$0.00
5. PAH's		per sample	\$64.66		\$0.00
6. Lead		per sample	\$17.07		\$0.00
7. EDB by EPA 8011		per sample	\$48.23		\$0.00
8. EDB by EPA Method 8011 Rush		per sample	\$72.77		\$0.00
9. 8 RCRA Metals		per sample	\$67.65		\$0.00
10. TPH (9070)		per sample	\$43.75		\$0.00
11. PH		per sample	\$5.55		\$0.00
12. BOD		per sample	\$21.34		\$0.00
13. Ethanol		per sample	\$15.79		\$0.00
<b>K. Analyses-Drinking Water</b>					
14. BTEXNM+1,2 DCA (524.2)		per sample	\$132.36		\$0.00
15. 7-OXYGENATES & ETHANOL (8260B)		per sample	\$97.90		\$0.00
16. EDB (504.1)		per sample	\$84.83		\$0.00
17. RCRA METALS (200.8)		per sample	\$106.70		\$0.00
<b>K. Analyses-Soil</b>					
18. BTEX + Naphth.		per sample	\$68.29		\$0.00
19. PAH's		per sample	\$68.33		\$0.00
20. 8 RCRA Metals		per sample	\$60.18		\$0.00
21. TPH-DRO (3550C/8015C)		per sample	\$42.68		\$0.00
22. TPH- GRO (5035B/8015C)		per sample	\$38.37		\$0.00
23. Grain size/hydrometer		per sample	\$110.97		\$0.00
24. Total Organic Carbon		per sample	\$32.65		\$0.00
<b>K. Analyses-Air</b>					
25. BTEX + Naphthalene		per sample	\$230.47		\$0.00
<b>K. Analyses-Free Phase Product</b>					
26. Hydrocarbon Fuel Identification		per sample	\$380.92		\$0.00
<b>L. Aquifer Characterization*</b>					
1. Pumping Test		per hour	\$24.54		\$0.00
2. Slug Test		per test	\$203.80		\$0.00
3. Fractured Rock		per test	\$106.70		\$0.00
<b>M. Free Product Recovery Rate Test*</b>					
		each	\$40.55		\$0.00
<b>N. Fate/Transport Modeling</b>					
1. Mathematical Model		each	\$106.70		\$0.00
2. Computer Model		each	\$106.70		\$0.00
<b>O. Risk Evaluation</b>					
1. Tier I Risk Evaluation		each	\$320.10		\$0.00
2. Tier II Risk Evaluation		each	\$106.70		\$0.00
<b>P. Subsequent Survey*</b>		1			\$260.00
<b>Q. Disposal (gallons or tons)*</b>					
1. Wastewater	110	gallon	\$0.60		\$66.00
2. Free Product		gallon	\$0.53		\$0.00
3. Soil Treatment/Disposal	2	ton	\$64.02		\$128.04
4. Drilling fluids	55	gallon	\$0.45		\$24.75
<b>R. Miscellaneous (attach receipts)</b>					
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
<b>T. Tier I Assessment (Use DHEC 3665 form)</b>					\$0.00
1. Southeast Region		standard	\$11,026.00		\$0.00
2. All Other Counties		standard	\$12,093.00		\$0.00



<b>U. IGWA (Use DHEC 3666 form)</b>					
1. Southeast Region		standard	\$3,803.00		\$0.00
2. All Other Counties		standard	\$4,123.00		\$0.00
<b>22. Corrective Action (Use DHEC 3667 form)</b>					\$0.00
<b>W. Aggressive Fluid &amp; Vapor Recovery (AFVR)</b>					
1. 8-hour Event*		per event	\$1,467.13		\$0.00
2. 24-hour Event*		per event	\$4,081.28		\$0.00
3. 48-hour Event*		per event	\$6,706.10		\$0.00
4. 96-hour Event*		per event	\$13,409.52		\$0.00
5. Off-gas Treatment 8 hour		per event	\$130.71		\$0.00
6. Off-gas Treatment 24 hour		per event	\$257.68		\$0.00
7. Off-gas Treatment 48 hour		per event	\$348.91		\$0.00
8. Off-gas Treatment 96 hour		per event	\$832.26		\$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	\$430.00		\$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	\$500.00		\$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	\$1,000.00		\$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	\$2,000.00		\$0.00
13. AFVR Effluent Disposal(w/chlorinated compounds)		gallon	\$0.50		\$0.00
14. AFVR Site Reconnaissance		each	\$216.87		\$0.00
15. Additional Hook-ups		each	\$27.48		\$0.00
16. AFVR Effluent Disposal		gallon	\$0.47		\$0.00
17. AFVR Mobilization/Demobilization		each	\$417.73		\$0.00
<b>X. Granulated Activated Carbon (GAC) filter system installation &amp; service:</b>					
1. New GAC System Installation*		each	\$2,027.30		\$0.00
2. Refurbished GAC Sys. Install*		each	\$960.30		\$0.00
3. Filter replacement/removal*		each	\$373.45		\$0.00
4. GAC System removal, cleaning, & refurbishment*		each	\$293.43		\$0.00
5. GAC System housing*		each	\$266.75		\$0.00
6. In-line particulate filter		each	\$160.05		\$0.00
7. Additional piping & fittings		foot	\$1.60		\$0.00
<b>Y. Well Repair</b>					
1. Additional Copies of the Report Delivered		each	\$53.35		\$0.00
2. Repair 2x2 MW pad*		each	\$53.35		\$0.00
3. Repair 4x4 MW pad*		each	\$93.90		\$0.00
4. Replace well vault*		each	\$125.91		\$0.00
5. Replace well cover bolts		each	\$2.77		\$0.00
6. Replace locking well cap & lock		each	\$16.00		\$0.00
7. Replace/Repair stick-up*		each	\$142.98		\$0.00
8. Convert Flush-mount to Stick-up*		each	\$160.05		\$0.00
9. Convert Stick-up to Flush-mount*		each	\$138.71		\$0.00
10. Replace missing/illegible well ID plate		each	\$12.80		\$0.00
<b>S. Report Prep &amp; Project Management</b>		12%	percent	\$4,217.82	\$506.14
<b>TOTAL</b>					\$4,723.96

DHEC D-4073 (1-2020) \*The appropriate mobilization cost can be added to complete these tasks, as necessary





**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



...providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843) 873-8200 fax: (843) 873-8765

SIZE  
B

TERRY Project No.  
2171.9M

DWG NO.

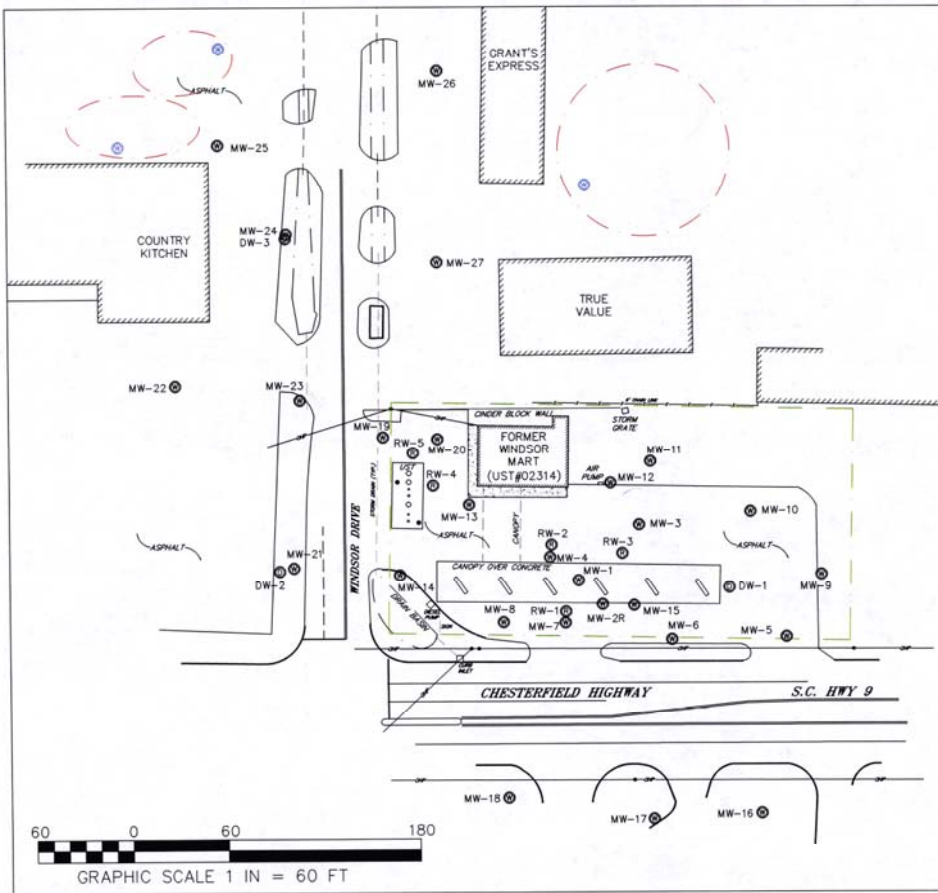
Figure 1 Topo Map

REV

SCALE: As Shown

DATE: September 2020





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- ▭ BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)

MW-# (circle with dot) PROPOSED MONITORING WELL

(circle with dashed line) PROPOSED MONITORING WELL VICINITY



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9M	02314
SCALE	DATE
1" = 60'	September 2020



OCT 01 2020



JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Monitoring Well Installation Notice to Proceed**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy ,Cheraw, SC  
UST Permit #02314; CA #62486; UMW #28174  
Release Reported December 6, 1991  
Site Specific Work Plan received September 8, 2020  
Chesterfield County

To Whom it May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site-Specific Work Plan (SSWP) submitted by Terry Environmental Services, Inc.. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's approved SSWP and Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the current revision of the UST QAPP is available at [scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance](http://scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance).

The assessment should begin immediately upon receipt of this letter. A monitoring well approval has been enclosed for the monitoring well installation. The above referenced cost agreement number has been approved for the amount shown on the enclosed cost agreement form. Please note the following changes to the cost agreement and SSWP:

- D.1. was increased to 1.

**The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.**

**The Assessment Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within ninety (90) days of the date of this correspondence.** The report submitted at the completion of these activities should include the required information outlined in the UST QAPP.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the UST Division is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a UST Certified Site Rehabilitation Contractor as required by R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis are below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit #02314. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-2446 or e-mail me at feltzal@dhec.sc.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Amanda Feltz".

Amanda Feltz, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Approved Cost Agreement  
Monitoring Well Approval

cc: Terry Environmental Services, Inc. P.O. Box 25, Summerville, SC 29484 (w/ enc)  
Technical file (w/ enc)



### Monitoring Well Approval

**Approval is granted to: Terry Environmental Services, Inc.**

**On behalf of: Jackson Oil Company Inc**

**Facility: Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield HWY, Cheraw, SC**

**UST Permit: #02314**

**County: Chesterfield**

This approval is for the installation of three shallow groundwater monitoring wells. The monitoring wells are to be installed in the approved locations. Monitoring wells are to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

**Please note that R.61-71 requires the following:**

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the UST Division shall be completed and submitted to the UST Division within 30 days after well completion or abandonment unless another schedule has been approved by the UST Division. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the UST Division within 30 days of receipt of laboratory results unless another schedule has been approved by the UST Division as required by R.61-71.H.1.d.
5. If any of the information provided to the UST Division changes, notification to Amanda Feltz, the project manager (phone: (803) 898-2446 or email: feltzal@dhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. UST Division approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

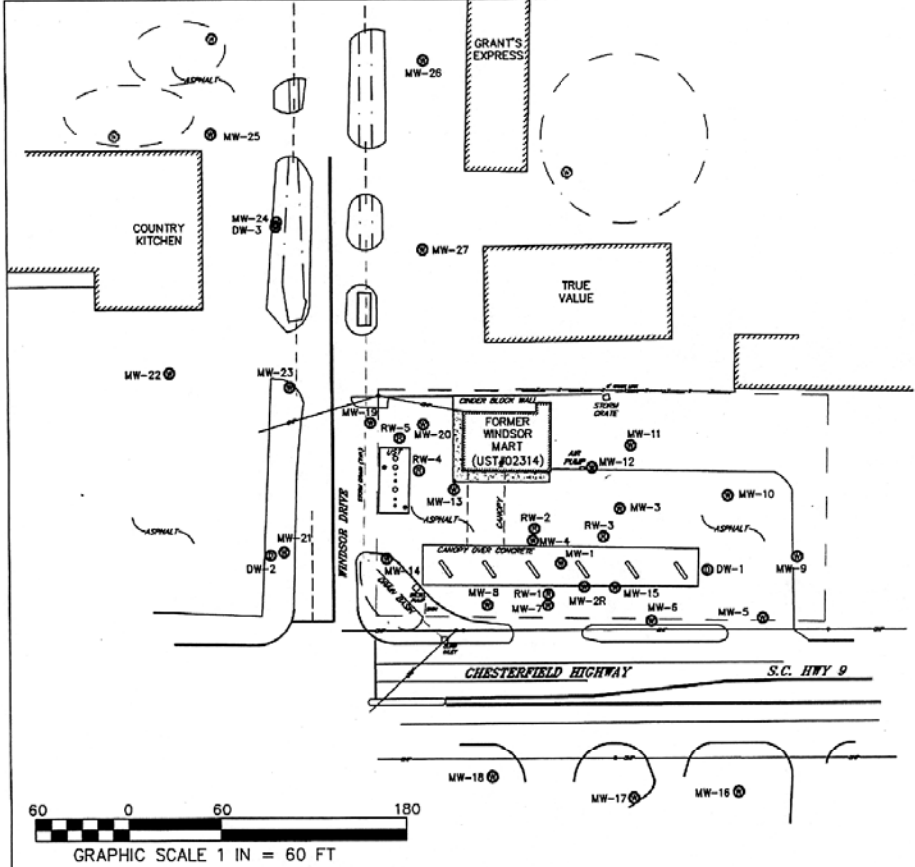
This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated May 27, 2016. A copy of this approval should be on the site during well installation.

**Date of Issuance: September 17, 2020**

**Approval #: UMW-28174**

A handwritten signature in black ink, appearing to read "Amanda Feltz", is written over a light blue horizontal line.

Amanda Feltz, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
  - POWER POLE WITH OVERHEAD POWER
  - MW-# (circle with dot) MONITORING WELL
  - DW-# (circle with dot) DEEP MONITORING WELL
  - RW-# (circle with dot) RECOVERY WELL
  - ////// BUILDING
- All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)
- MW-# (circle with dot) PROPOSED MONITORING WELL
  - (circle with dashed line) PROPOSED MONITORING WELL VICINITY



**FIGURE 2  
SITE BASE MAP**

Manuti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCORHC SITE ID #
2171.9M	02314
SCALE	DATE
1" = 60'	September 2020

**Approved Cost Agreement 62486**

Facility: 02314 MARUTI KUNDAL DBA COUNTRY CUPBOARD 7

FELTZAL

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION		1 SITE SPECIFIC WORK PLAN	1.0000	\$160.050	160.05
D MOB/DEMOB		1 EQUIPMENT	1.0000	\$1,088.340	1,088.34
		2 PERSONNEL	2.0000	\$451.340	902.68
I WELL INSTALLATION		2 WATER TABLE DRILL RIG 2" DIA	66.0000	\$40.550	2,676.30
P SUBSEQUENT SURVEY		P SUBSEQUENT SURVEY	1.0000	\$260.000	260.00
Q DISPOSAL		1 WASTEWATER	110.0000	\$0.600	66.00
		3 SOIL TREATMENT DISPOSAL	2.0000	\$64.020	128.04
		4 DRILLING FLUIDS	55.0000	\$0.450	24.75
S REPORT PROJECT MANAGEMENT		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$5,306.160	636.74
			<b>Total Amount</b>		<b>5,942.90</b>



## Document Receipt Information

Hard Copy

CD

Email

Date Received 11-23-20

Permit Number 02314

Project Manager Amanda Feltz

Name of Contractor TES

UST Certification Number \_\_\_\_\_

Docket Number CEL T

Scanned \_\_\_\_\_

MW Installation Report

**MONITORING WELL INSTALLATION REPORT  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
CA #62486**

Prepared For:

**SCDHEC UNDERGROUND STORAGE TANK PROGRAM  
2600 BULL ST.  
COLUMBIA, SC 29201**

Submitted By:

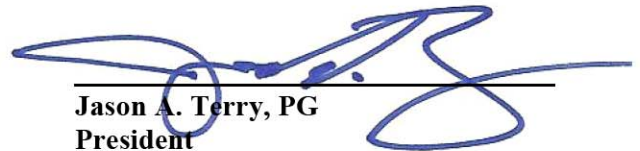


P.O. BOX 25  
SUMMERVILLE, SOUTH CAROLINA 29484  
(843) 873-8200  
Fax (843) 225-3472  
[www.terryenvironmental.com](http://www.terryenvironmental.com)

UST CONTRACTOR #UCC-0223  
TERRY PROJECT #2171.9M



**Kelly K. Cone, PG  
Vice President**



**Jason A. Terry, PG  
President**

NOVEMBER 2020



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**A. INTRODUCTION**
**1. UST Facility and Owner/Operator Information**

Facility Name (Permit #): Maruti Kundal (Former Windsor Mart) (02314)  
 Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520  
 Facility Telephone: 843-537-9096  
  
 Owner/ Operator Name: Jackson Oil Company (Contact: Charles Jackson)  
 Owner/ Operator Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Owner/ Operator Telephone: 843-537-7080

**2. Property Owner Information**

Name: Jackson Oil Company (Contact: Charles Jackson)  
 Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Telephone: 843-537-7080

**3. Contractor Information**

Name: Terry Environmental Services, Inc.  
 Address: P.O. Box 25, Summerville, South Carolina 29484  
 Telephone: 843-873-8200  
 Certification: UCC-0223

**4. Well Driller Information**

Name: Terry Exploration Services, LLC  
 Address: 222 Varnfield Drive, Suite F, Summerville, South Carolina 29483  
 Telephone: 843-873-8200  
 Certification: Randy Brand (1485-B)

**5. Laboratory Information**

Not Applicable

**6. Site History**

Date Release Reported to SCDHEC: December 6, 1991  
 Estimated Quantity of Product Released: Unknown  
 Cause of Release: Unknown  
 Current use of Facility: Gas Station and Convenience Store (Windsor Mart)

UST #	Product	Date Installed	Currently in Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
2 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
3 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
4 (20,000 gal)	Multiple Petroleum	Unknown	Yes	--

Other Releases at this site? Yes \_\_\_\_\_ No **XXXX**  
 If yes, Date Release Reported to SCDHEC n/a  
**Status of Release:** n/a  
 No Further Action Date: n/a



## **7. Regional Geology and Hydrogeology**

The Maruti Kundal (former Windsor Mart) site is located in Cheraw, South Carolina which lies in the northeastern portion of the Coastal Plain Province of South Carolina. This province was deposited during a series of transgressive and regressive eustatic sea level changes. The Coastal Plain is comprised of an area of erosional topography near the Fall Line which is considered the Inner Coastal plain and an area of constructional topography that extends seaward which is considered the Outer Coastal Plain. Cheraw is located in the Inner Coastal Plain where the sediments can be highly weathered and therefore causing stratigraphy and aerial distribution to be poorly understood. The Middendorf Formation outcrops in the Inner Coastal Plain and consists of intercalated, lensing, thick bedded, light-colored sands, and clays (mudstones). (The Geology of the Carolinas, Horton & Zullo, 1991)

The site is located below the Fall Line in the Coastal Plain Province. This area consists of sand and clay beds of the Middendorf Formation. Near the southern border of Chesterfield County, the sand aquifers of the Middendorf occur to depths as great as 450 feet. Wells located in these aquifers yield as much as 900 gallons per minute (gpm) with the potential for yields up to 2,000-3,000 gpm. The chemical quality of the water is similar to rainwater with extremely low dissolved solids and low pH. (SCDNR Water Resources Report 36: Groundwater Resources of Chesterfield County, South Carolina, 2004)

## **B. RECEPTOR SURVEY & SITE DATA**

### **1. Receptor Survey Results**

A receptor survey was not conducted during this scope of work. A water supply well (WSW-1) was previously observed on the adjacent residential property to the east (802 Chesterfield Highway). The owner stated it was installed in the last few years for irrigation. Based on the USGS topographic map there are two drainage features located approximately 800 to 1,000 feet to the east and west of the subject site (SW-1 and SW-2).

### **2. Current Site and Adjacent Land Use**

Description of current site use (commercial, residential, rural, etc.):

Commercial; Convenience Store

Description of adjacent land use (commercial, residential, rural, etc):

Residential and Commercial

UST sites within a 1,000-foot radius:

Unknown; none observed

The site is located at 820 Chesterfield Highway in Cheraw, South Carolina. The site is bordered to the west by Windsor Drive and commercial property, to the south by Chesterfield Highway and commercial property, to the east by residential properties, and to the north by commercial property. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A Site Base Map originating from a comprehensive survey completed by Christopher R. Elmer (SC Registered Land Surveyor #30759) of Tim Elmer RLS, LLC on February 27, 2014 is provided in Section J as Figure 2.

Several offsite access agreements were required to complete this scope of work. Copies of the signed access agreements obtained by TERRY are included in Appendix J.

### **3. Site-Specific Geology and Hydrogeology**

Based on the Tier II Assessment reported in March 2015, the general soil profile onsite consists of sandy clay and clay underlain by sand and clayey silt in the deep wells. Depth to groundwater was measured between 11 to 15 feet below the top of the well casing in the newly installed wells; MW-28 through MW-30. Groundwater flow could not be determined.

**C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY**

Not Applicable. No soil or groundwater borings were installed during this scope of work.



## **D. MONITORING WELL INFORMATION**

### **1. Well Installation Details**

In October 2020, the SCDHEC UST Project Manager directed the installation of three monitoring wells in specific vicinities to the north-northwest of the subject site. Between November 4 and November 5, 2020, three (3) shallow monitoring wells (MW-28 through MW-30) were installed by Terry Exploration. The shallow wells were installed using hollow stem auger (HSA) techniques. All well installations were performed in accordance with the S.C. Well Standards and Regulations. Well Construction Logs are provided in Appendix E. The soil cuttings were initially stored in 55-gallon drums onsite and were properly disposed of by JBR Environmental Services on November 9, 2020. The disposal manifest is provided in Appendix G.

### **2. Well Development Procedures**

On November 5, 2020 TERRY personnel developed the newly installed monitoring wells prior to the addition of bentonite and portland cement. A surge block and a clean purge pump with new, disposable tubing was utilized for developing the wells. In accordance with the SCDHEC UST QAPP, Revision 3.1, development is complete once pH, specific conductance, and temperature of the groundwater have stabilized, and turbidity has either stabilized or is below 10 nephelometric turbidity units (NTUs). The Well Development Logs and the calibration data are provided in Appendix E. The well development water generated was initially stored onsite in 55-gallon drums. The water generated was initially stored in 55-gallon drums onsite and was properly disposed of by JBR Environmental Services on November 9, 2020. The disposal manifest is provided in Appendix G.

### **3. Well Location Justification**

The shallow monitoring well locations (MW-28 and MW-30) were requested by the SCDHEC Project Manager and were installed to further horizontally delineate the contaminant plume. The new wells will also provide future access for monitoring the plume migration.

**E. GROUNDWATER DATA**

Not Applicable. No groundwater samples were collected during this scope of work.

**F. AFVR INFORMATION**

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

**G. GRANULATED ACTIVATED CARBON INSTALLATION**

Not Applicable. No granulated activated carbon units were installed during this scope of work.

## **H. RESULTS & DISCUSSION**

### **1. Assessment Results**

During this scope of work, TERRY installed three (3) shallow monitoring wells at the request of the SCDHEC Project Manager in accordance with the SCDHEC UST QAPP, Revision 3.1 and the associated site-specific work plan submitted in September 2020. The data presented herein documents the installation, development, and subsequent survey of monitoring wells MW-28, MW-29, and MW-30.

Based on the most recent groundwater data for the sampling event conducted in July 2020, source area wells MW-1, MW-4, MW-14, and MW-19 contain measurable free-phase petroleum. Per SCDHEC correspondence dated June 7, 2018 the subject site will undergo active corrective action to mitigate the petroleum impact. In the interim, TERRY recommends conducting additional 96-hour AFVR events on the monitoring/recovery well network in the source area to continue to address the free-phase product.

### **2. Aquifer Evaluation Results**

Not Applicable

### **3. Fate & Transport Results**

Not Applicable

### **4. Tier 1 Risk Evaluation**

Not Applicable

### **5. Tier 2 Risk Evaluation**

Not Applicable

**I. TABLES**

**1. Soil Analytical Data**

Table 1 Soil Analytical Data - Not Applicable

**2. Potentiometric Data**

Table 2 Groundwater Potentiometric Data - Attached

**3. Laboratory Data**

Table 3 Groundwater Laboratory Data - Not Applicable

**4. Aquifer Characteristics**

Table 4 Aquifer Characteristics - Not Applicable

**5. Site Conceptual Model**

Table 5 Site Conceptual Model - Not Applicable

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW1	3/19/1997	173.28	10 to 20	13.70	n/a	n/a	159.58
	6/17/1997			16.07	n/a	n/a	157.21
	12/9/2013			20.65	17.31	3.34	152.63
	9/26/2014			19.60	16.82	2.78	153.68
	2/2/2015			Free Product (1.20 ft)			
	1/3/2017			15.96	n/a	n/a	157.32
	3/6/2018			20.53	19.08	1.45	152.75
	12/27/2018			13.92	11.82	2.10	159.36
	7/1/2020			16.05	13.83	2.22	157.23
02314-MW2	6/17/1997	100.06	10 to 20	16.04	n/a	n/a	84.02
	12/9/2013			Could Not Find			
	9/29/2014			Could Not Find			
02314-MW2R	9/29/2014	173.92	10.3-20.3	17.60	n/a	n/a	156.32
	2/2/2015			15.72	n/a	n/a	158.20
	1/3/2017			15.96	n/a	n/a	157.96
	3/6/2018			Dry			
	12/28/2018			12.18	n/a	n/a	161.74
	7/1/2020			14.40	n/a	n/a	159.52
	02314-MW3			6/17/1997	171.43	10 to 20	13.64
12/9/2013		15.86	n/a	n/a			155.57
9/26/2014		15.65	14.70	0.95			155.78
2/2/2015		Free Product (1.0 ft)					
1/3/2017		13.45	n/a	n/a			157.98
3/6/2018		17.07	n/a	n/a			154.36
12/27/2018		10.19	n/a	n/a			161.24
6/30/2020		11.58	n/a	n/a			159.85
02314-MW4	6/17/1997	173.39	10 to 20	15.75	n/a	n/a	157.64
	12/9/2013			18.80	16.91	1.89	154.59
	9/26/2014			19.43	16.32	3.11	153.96
	2/2/2015			Free Product (0.80 ft)			
	1/3/2017			15.69	n/a	n/a	157.70
	3/6/2018			19.95	18.82	1.13	153.44
	12/27/2018			13.04	13.44	0.40	160.35
	7/1/2020			14.18	13.75	0.43	159.21
02314-MW5	9/29/2014	174.97	9.9 to 19.9	18.51	n/a	n/a	156.46
	2/2/2015			17.10	n/a	n/a	157.87
	1/3/2017			Not Gauged			
	3/5/2018			Dry			
	12/28/2018			14.30	n/a	n/a	160.67
	6/30/2020			16.38	n/a	n/a	158.59
02314-MW6	9/29/2014	174.57	10.1 to 20.1	18.17	n/a	n/a	156.40
	2/2/2015			16.55	n/a	n/a	158.02
	1/3/2017			Not Gauged			
	3/6/2018			Dry			
	12/27/2018			12.94	n/a	n/a	161.63
	6/30/2020			14.85	n/a	n/a	159.72

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW7	9/29/2014	174.20	10.3 to 20.3	18.09	17.86	0.23	156.11
	2/2/2015			Free Product (0.27 ft)			
	1/3/2017			16.37	n/a	n/a	157.83
	3/6/2018			19.86	19.83	0.03	154.34
	12/27/2018			12.55	n/a	n/a	161.65
	7/1/2020			14.72	n/a	n/a	159.48
02314-MW8	9/29/2014	173.79	10.3 to 20.3	17.55	n/a	n/a	156.24
	2/2/2015			16.11	n/a	n/a	157.68
	1/3/2017			15.93	n/a	n/a	157.86
	3/6/2018			19.45	n/a	n/a	154.34
	12/27/2018			12.25	n/a	n/a	161.54
	7/1/2020			14.33	n/a	n/a	159.46
02314-MW9	9/29/2014	172.72	9.9 to 19.9	16.84	n/a	n/a	155.88
	2/2/2015			14.73	n/a	n/a	157.99
	1/3/2017			Not Gauged			
	3/5/2018			18.30	n/a	n/a	154.42
	12/26/2018			11.20	n/a	n/a	161.52
	6/30/2020			13.04	n/a	n/a	159.68
02314-MW10	9/29/2014	172.09	10.3 to 20.3	15.85	n/a	n/a	156.24
	2/2/2015			14.19	n/a	n/a	157.90
	1/3/2017			Not Gauged			
	3/5/2018			17.79	n/a	n/a	154.30
	12/26/2018			11.61	n/a	n/a	160.48
	6/30/2020			12.83	n/a	n/a	159.26
02314-MW11	9/29/2014	172.07	10.1 to 20.1	15.95	n/a	n/a	156.12
	2/2/2015			14.30	n/a	n/a	157.77
	1/3/2017			Not Gauged			
	3/5/2018			17.83	n/a	n/a	154.24
	12/26/2018			10.68	n/a	n/a	161.39
	6/30/2020			12.65	n/a	n/a	159.42
02314-MW12	9/29/2014	172.54	10.3 to 20.3	16.40	n/a	n/a	156.14
	2/2/2015			14.76	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			18.31	n/a	n/a	154.23
	12/27/2018			11.09	n/a	n/a	161.45
	7/1/2020			13.19	n/a	n/a	159.35
02314-MW13	9/29/2014	172.64	10.3 to 20.3	17.20	n/a	n/a	155.44
	2/2/2015			15.55	n/a	n/a	157.09
	1/3/2017			14.95	n/a	n/a	157.69
	3/6/2018			18.48	n/a	n/a	154.16
	12/27/2018			11.13	n/a	n/a	161.51
	7/1/2020			13.28	n/a	n/a	159.36

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW14	9/29/2014	172.88	10.3 to 20.3	16.75	n/a	n/a	156.13
	2/2/2015			15.15	n/a	n/a	157.73
	1/3/2017			Not Gauged			
	3/5/2018			20.39	19.41	0.98	152.49
	12/27/2018			13.40	13.90	0.50	159.48
	7/1/2020			13.70	13.52	0.18	159.18
02314-MW15	9/29/2014	173.85	10.3 to 20.3	17.90	n/a	n/a	155.95
	2/2/2015			15.85	n/a	n/a	158.00
	1/3/2017			15.88	n/a	n/a	157.97
	3/6/2018			19.43	n/a	n/a	154.42
	12/27/2018			12.20	n/a	n/a	161.65
	7/1/2020			14.30	n/a	n/a	159.55
02314-MW16	11/19/2014	176.97	16.0 to 26.0	21.50	n/a	n/a	155.47
	2/2/2015			18.69	n/a	n/a	158.28
	1/3/2017			Not Gauged			
	3/5/2018			22.29	n/a	n/a	154.68
	12/26/2018			15.24	n/a	n/a	161.73
	6/30/2020			17.03	n/a	n/a	159.94
02314-MW17	11/6/2014	176.13	10.4 to 20.4	20.10	n/a	n/a	156.03
	2/2/2015			17.79	n/a	n/a	158.34
	1/3/2017			Not Gauged			
	3/5/2018			Dry			
	12/26/2018			14.24	n/a	n/a	161.89
	6/30/2020			16.15	n/a	n/a	159.98
02314-MW18	11/6/2014	175.59	14.6 to 24.6	19.74	n/a	n/a	155.85
	2/2/2015			17.40	n/a	n/a	158.19
	1/3/2017			Not Gauged			
	3/5/2018			20.97	n/a	n/a	154.62
	12/26/2018			13.91	n/a	n/a	161.68
	6/30/2020			15.80	n/a	n/a	159.79
02314-MW19	11/6/2014	171.50	12.3 to 22.3	16.32	n/a	n/a	155.18
	2/2/2015			14.15	n/a	n/a	157.35
	1/3/2017			13.95	n/a	n/a	157.55
	3/6/2018			17.22	17.02	0.20	154.28
	12/26/2018			--	9.28	>3.0	--
	7/1/2020			13.42	11.90	1.52	158.08
02314-MW20	11/6/2014	171.82	12.2 to 22.2	16.63	n/a	n/a	155.19
	2/2/2015			14.35	n/a	n/a	157.47
	1/3/2017			14.30	n/a	n/a	157.52
	3/6/2018			17.74	n/a	n/a	154.08
	12/27/2018			10.52	n/a	n/a	161.30
	7/1/2020			12.75	n/a	n/a	159.07

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW21	2/2/2015	173.97	13.7 to 23.7	16.55	n/a	n/a	157.42
	1/3/2017			Not Gauged			
	3/5/2018			19.88	n/a	n/a	154.09
	12/26/2018			12.59	n/a	n/a	161.38
	6/30/2020			14.80	n/a	n/a	159.17
02314-MW22	2/2/2015	171.95	12 to 22	14.65	n/a	n/a	157.30
	1/3/2017			Not Gauged			
	3/5/2018			17.98	n/a	n/a	153.97
	12/26/2018			10.68	n/a	n/a	161.27
	6/30/2020			12.81	n/a	n/a	159.14
02314-MW23	2/2/2015	171.03	11.2 to 21.2	13.72	n/a	n/a	157.31
	1/3/2017			13.65	n/a	n/a	157.38
	3/6/2018			17.04	n/a	n/a	153.99
	12/27/2018			10.45	n/a	n/a	160.58
	7/1/2020			12.07	n/a	n/a	158.96
02314-MW24	2/2/2015	169.78	11 to 21	12.54	n/a	n/a	157.24
	1/3/2017			Not Gauged			
	3/5/2018			15.90	n/a	n/a	153.88
	12/26/2018			8.70	n/a	n/a	161.08
	7/1/2020			10.94	n/a	n/a	158.84
02314-MW25	2/2/2015	170.08	11 to 21	13.00	n/a	n/a	157.08
	1/3/2017			Not Gauged			
	3/5/2018			16.26	n/a	n/a	153.82
	12/27/2018			9.75	n/a	n/a	160.33
	7/1/2020			11.40	n/a	n/a	158.68
02314-MW26	2/2/2015	169.21	10.4 to 20.4	12.24	n/a	n/a	156.97
	1/3/2017			Not Gauged			
	3/5/2018			15.42	n/a	n/a	153.79
	12/26/2018			8.18	n/a	n/a	161.03
	6/30/2020			10.38	n/a	n/a	158.83
02314-MW27	2/2/2015	168.95	10 to 20	11.81	n/a	n/a	157.14
	1/3/2017			Not Gauged			
	3/5/2018			14.97	n/a	n/a	153.98
	12/27/2018			7.80	n/a	n/a	161.15
	7/1/2020			9.98	n/a	n/a	158.97
02314-MW28	11/5/2020 <sup>(2)</sup>	167.68	7.5 to 22.5	11.00	n/a	n/a	156.68
02314-MW29	11/5/2020 <sup>(2)</sup>	171.58	7.5 to 22.5	15.00	n/a	n/a	156.58
02314-MW30	11/5/2020 <sup>(2)</sup>	169.78	7 to 22	13.00	n/a	n/a	156.78
02314-DW1	9/29/2014	173.59	49.6 to 54.6	16.97	n/a	n/a	156.62
	2/2/2015			15.37	n/a	n/a	158.22
	1/3/2017			Not Gauged			
	3/5/2018			17.33	n/a	n/a	156.26
	12/26/2018			15.79	n/a	n/a	157.80
	6/30/2020			13.73	n/a	n/a	159.86



**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9L**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-DW2	2/2/2015	174.37	44.6 to 49.6	16.59	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			19.82	n/a	n/a	154.55
	12/26/2018			13.06	n/a	n/a	161.31
	6/30/2020			14.61	n/a	n/a	159.76
02314-DW3	2/2/2015	169.93	44.6 to 49.6	13.72	n/a	n/a	156.21
	1/3/2017			Not Gauged			
	3/5/2018			16.50	n/a	n/a	153.43
	12/26/2018			11.02	n/a	n/a	158.91
	7/1/2020			11.71	n/a	n/a	158.22
02314-RW1	1/3/2017	Unknown	10 to 30	16.11	n/a	n/a	n/a
	3/6/2018	174.15		19.80	19.51	0.29	n/a
	12/28/2018			12.24	n/a	n/a	161.91
	7/1/2020			14.48	n/a	n/a	159.67
02314-RW2	1/3/2017	Unknown	10 to 30	15.47	n/a	n/a	n/a
	3/6/2018	173.28		19.93	18.63	1.30	n/a
	12/28/2018			11.75	n/a	n/a	161.53
	7/1/2020			13.86	n/a	n/a	159.42
02314-RW3	1/3/2017	Unknown	10 to 30	Not Gauged			
	3/6/2018	173.17		18.94	n/a	n/a	n/a
	12/27/2018			11.78	n/a	n/a	161.39
	7/1/2020			13.77	n/a	n/a	159.40
02314-RW4	12/27/2018	172.02	10 to 30	10.50	n/a	n/a	161.52
	7/1/2020			12.59	n/a	n/a	159.43
02314-RW5	12/27/2018	172.04	10 to 30	10.70	n/a	n/a	161.34
	7/1/2020			12.82	n/a	n/a	159.22

Notes:

All Data Prior to December 2013 collected by others

<sup>(1)</sup> TOC = Top of casing relative to an assumed data

<sup>(2)</sup> Wells installed in November 2020 but not sampled.

\* = Measured relative to TOC

\*\*Corrected Elevation calculated using following equation:

$$\text{Corrected elevation} = \text{Water table elevation} + [(0.77)(\text{free product thickness})]$$

## **J. FIGURES**

### **1. Topographic Map**

Figure 1 Topographic Map - Attached

### **2. Site Base Map**

Figure 2 Site Base Map - Attached

### **3. CoC Site Maps**

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Not Applicable

Figure 4B Groundwater CoC Map (Oxygenates) - Not Applicable

### **4. Site Potentiometric Maps**

Figure 5A Site Potentiometric Map (Shallow) - Not Applicable

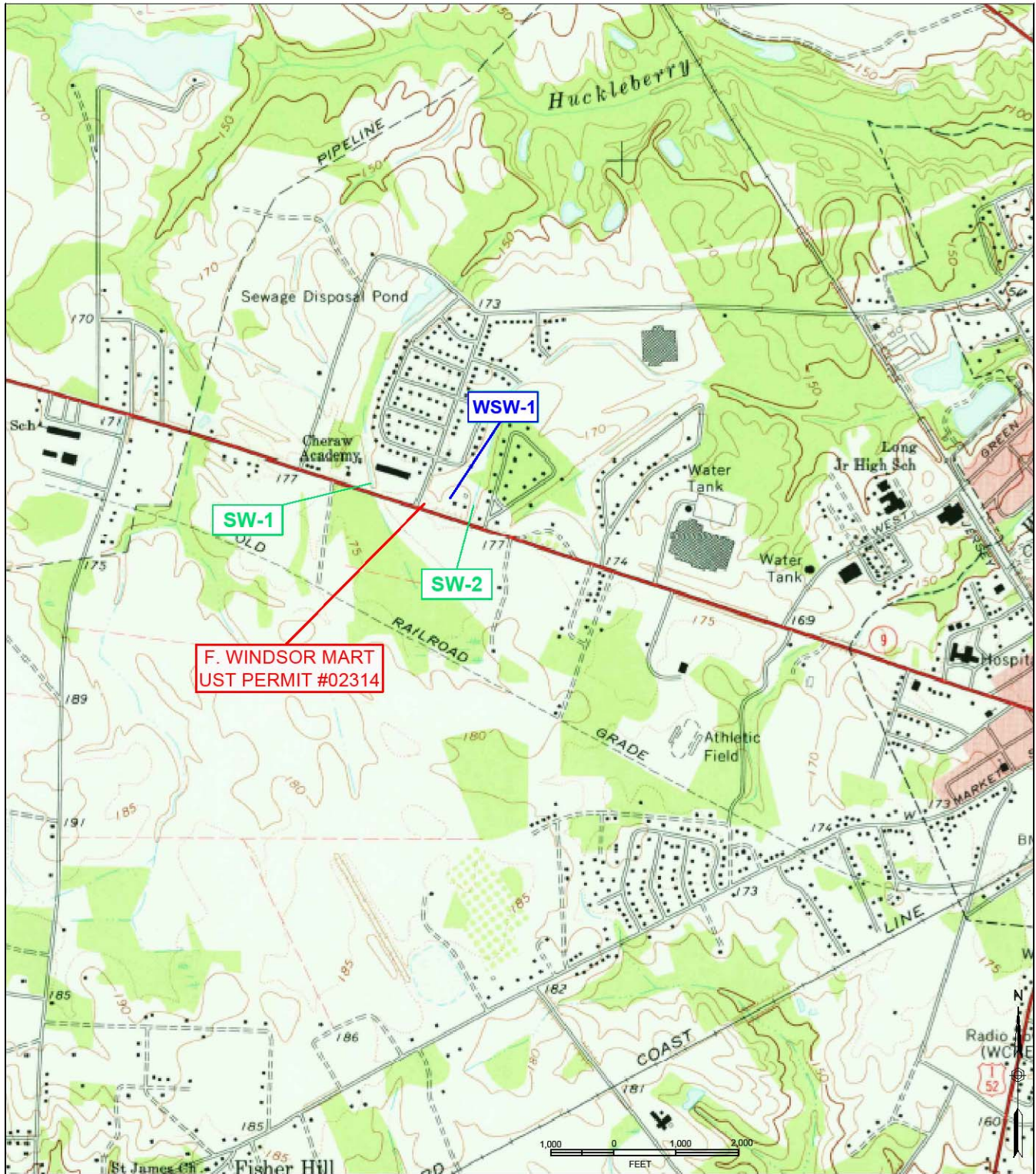
Figure 5B Site Potentiometric Map (Deep) - Not Applicable

### **5. Geologic Cross Sections**

Figure 6 Geologic Cross Sections - Not Applicable

### **6. Predicted Migration and Attenuation of CoCs**

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

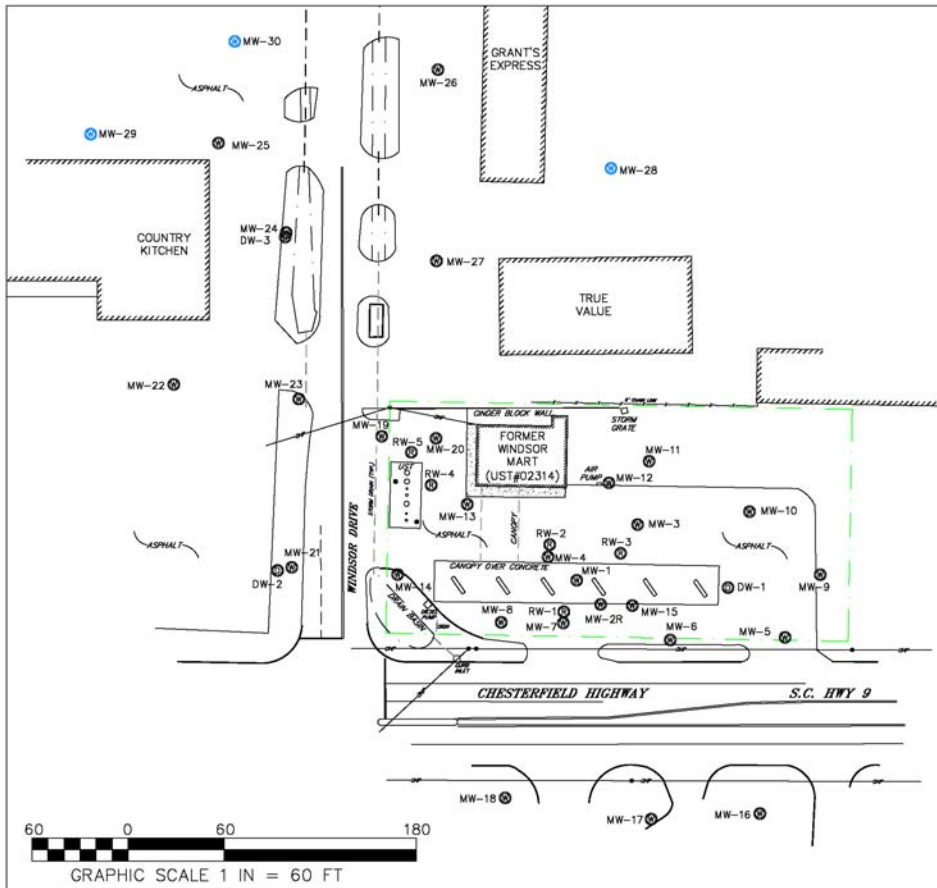
PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE B	TERRY Project No. 2171.9M	DWG NO. Figure 1 Topo Map	REV
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SCALE: As Shown

DATE: November 2020





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)

MW-# NEWLY INSTALLED MONITORING WELL



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9M	02314
SCALE 1" = 60'	DATE November 2020

**K. APPENDICES**

**1. Appendix A: Site Survey**

Not Applicable

**2. Appendix B: Sampling Logs and Laboratory Data**

Not Applicable

**3. Appendix C: Tax Map**

Not Applicable

**4. Appendix D: Soil Boring/Field Screening Logs**

Not Applicable

**5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms**

**6. Appendix F: Aquifer Evaluation Forms**

Not Applicable

**7. Appendix G: Disposal Manifest**

**8. Appendix H: Local Zoning Regulations**

Not Applicable

**9. Appendix I: Fate and Transport Modeling Data**

Not Applicable

**10. Appendix J: Access Agreements**

**11. Appendix K: Data Verification Checklist**

**APPENDIX A**

**Site Survey  
(Not Applicable)**

## **APPENDIX B**

### **Sampling Logs and Laboratory Data (Not Applicable)**

**APPENDIX C**

**Tax Map  
(Not Applicable)**



**APPENDIX D**

**Soil Boring/Field Screening Logs  
(Not Applicable)**

**APPENDIX E**

**Well Completion Logs/SCDHEC 1903 Forms**



# Water Well Record

## Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

**1. WELL OWNER INFORMATION:**  
 Name: **JACKSON OIL COMPANY**  
 (last) (first)  
 Address: **755 S. 4TH STREET**  
 City: **HARTSVILLE** State: **SC** Zip: **29550-0000**  
 Telephone: Work: \_\_\_\_\_ Home: \_\_\_\_\_

**7. PERMIT NUMBER:** **UMW# 28174**

**8. USE:**  
 Residential                     Public Supply                     Process  
 Irrigation                         Air Conditioning                Emergency  
 Test Well                          Monitor Well                     Replacement

**2. LOCATION OF WELL: SC COUNTY: CHESTERFIELD**  
 Name: **MARUTI KUNDAL**  
 Street Address: **820 CHESTERFIELD HWY**  
 City: **CHERAW** Zip: **29520-0000**  
 Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

**9. WELL DEPTH (completed)** \_\_\_\_\_ ft. Date Started: **11/04/2020**  
 \_\_\_\_\_ ft. Date Completed: **11/05/2020**

**10. CASING:**  Threaded  Welded  
 Diam.: **2.0"**  
 Type:  PVC  Galvanized  
 Steel  Other  
**0.0** in. to **7.5** ft. depth  
 \_\_\_\_\_ in. to \_\_\_\_\_ ft. depth

Height: Above  Below  \_\_\_\_\_ ft.  
 Surface \_\_\_\_\_ lb./ft.  
 Drive Shoe?  Yes  No

**3. PUBLIC SYSTEM NAME:** \_\_\_\_\_ **PUBLIC SYSTEM NUMBER:** **02314 MW-28**

**11. SCREEN:**  
 Type: **SCH 40 PVC** Diam.: **2.0"**  
 Slot/Gauge: **0.010"** Length: **15.0'**  
 Set Between: **7.5** ft. and **22.5** ft.  
 \_\_\_\_\_ ft. and \_\_\_\_\_ ft.  
**NOTE: MULTIPLE SCREENS USE SECOND SHEET**  
 Sieve Analysis  Yes (please enclose)  No

**4. ABANDONMENT:**  Yes  No  
 Grouted Depth: from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**12. STATIC WATER LEVEL** **11.0** ft. below land surface after 24 hours

**13. PUMPING LEVEL Below Land Surface.**  
 \_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
 Pumping Test:  Yes (please enclose)  No  
 Yield: \_\_\_\_\_

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		

**14. WATER QUALITY**  
 Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
 Please enclose lab results.

**15. ARTIFICIAL FILTER (filter pack)**  Yes  No  
 Installed from **6.0** ft. to **22.5** ft.  
 Effective size **2** Uniformity Coefficient \_\_\_\_\_

**16. WELL GROUTED?**  Yes  No  
 Neat Cement  Bentonite  Bentonite/Cement  Other \_\_\_\_\_  
 Depth: From **SURFACE** ft. to **5.0** ft.

**17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
 Type \_\_\_\_\_  
 Well Disinfected  Yes  No Type: \_\_\_\_\_ Amount: \_\_\_\_\_

**18. PUMP:** Date installed: \_\_\_\_\_ Not installed   
 Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
 H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
 TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

**19. WELL DRILLER: RANDY BRAND** **CERT. NO.:** 1485  
 Address: (Print) **1511 Hidden Bridge Dr. Mt. Pleasant, SC 29464**  
 Level: A  B  C  D  (circle one)  
 Telephone No.: 843-873-8200 Fax No.: 843-225-3472

**20. WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

**5. REMARKS:**  
**BENTONITE SEAL 5.0' - 6.0'**

Signed: *Randy Brand* Date: **11-16-20**  
 Well Driller

If D Level Driller, provide supervising driller's name: \_\_\_\_\_

**6. TYPE:**  Mud Rotary  Jetted  Bored  
 Dug  Air Rotary  Driven  
 Cable tool  Other



**Water Well Record**  
**Bureau of Water**  
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. **WELL OWNER INFORMATION:**  
Name: JACKSON OIL COMPANY  
(last) (first)  
Address: 755 S. 4TH STREET  
City: HARTSVILLE State: SC Zip: 29550-0000  
Telephone: Work: Home:

2. **LOCATION OF WELL:** SC COUNTY: CHESTERFIELD  
Name: MARUTI KUNDAL  
Street Address: 820 CHESTERFIELD HWY  
City: CHERAW Zip: 29520-0000  
Latitude: Longitude:

3. **PUBLIC SYSTEM NAME:** PUBLIC SYSTEM NUMBER:  
02314 MW-29

4. **ABANDONMENT:**  Yes  No  
Grouted Depth: from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
SEE GEOLOGIST LOG		

\*Indicate Water Bearing Zones  
(Use a 2nd sheet if needed)

5. **REMARKS:**  
BENTONITE SEAL 5.0' - 6.0'

6. **TYPE:**  Mud Rotary  Jettied  Bored  
 Dug  Air Rotary  Driven  
 Cable tool  Other

7. **PERMIT NUMBER:** UMW# 28174

8. **USE:**  
 Residential  Public Supply  Process  
 Irrigation  Air Conditioning  Emergency  
 Test Well  Monitor Well  Replacement

9. **WELL DEPTH (completed)** Date Started: 11/04/2020  
22.5 ft. Date Completed: 11/05/2020

10. **CASING:**  Threaded  Welded  
Diam.: 2.0"  
Type:  PVC  Galvanized  
 Steel  Other  
0.0 in. to 7.5 ft. depth  
\_\_\_\_\_ in. to \_\_\_\_\_ ft. depth  
Height: Above  Below   
Surface \_\_\_\_\_ ft.  
Weight \_\_\_\_\_ lb./ft.  
Drive Shoe?  Yes  No

11. **SCREEN:**  
Type: SCH 40 PVC Diam.: 2.0"  
Slot/Gauge: 0.010" Length: 15.0'  
Set Between: 7.5 ft. and 22.5 ft. **NOTE: MULTIPLE SCREENS USE SECOND SHEET**  
\_\_\_\_\_ ft. and \_\_\_\_\_ ft.  
Sieve Analysis  Yes (please enclose)  No

12. **STATIC WATER LEVEL** 15.0 ft. below land surface after 24 hours

13. **PUMPING LEVEL** Below Land Surface.  
\_\_\_\_\_ ft. after \_\_\_\_\_ hrs. Pumping \_\_\_\_\_ G.P.M.  
Pumping Test:  Yes (please enclose)  No  
Yield: \_\_\_\_\_

14. **WATER QUALITY**  
Chemical Analysis  Yes  No Bacterial Analysis  Yes  No  
Please enclose lab results.

15. **ARTIFICIAL FILTER (filter pack)**  Yes  No  
Installed from 6.0 ft. to 22.5 ft.  
Effective size 2 Uniformity Coefficient \_\_\_\_\_

16. **WELL GROUTED?**  Yes  No  
 Neat Cement  Bentonite  Bentonite/Cement  Other \_\_\_\_\_  
Depth: From SURFACE ft. to 5.0 ft.

17. **NEAREST SOURCE OF POSSIBLE CONTAMINATION:** \_\_\_\_\_ ft. \_\_\_\_\_ direction  
Type \_\_\_\_\_  
Well Disinfected  Yes  No Type: \_\_\_\_\_ Amount: \_\_\_\_\_

18. **PUMP:** Date installed: \_\_\_\_\_ Not installed   
Mfr. Name: \_\_\_\_\_ Model No.: \_\_\_\_\_  
H.P. \_\_\_\_\_ Volts \_\_\_\_\_ Length of drop pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ gpm  
TYPE:  Submersible  Jet (shallow)  Turbine  
 Jet (deep)  Reciprocating  Centrifugal

19. **WELL DRILLER: RANDY BRAND** CERT. NO.: 1485  
Address: (Print) Level: A B C D (circle one)  
1511 Hidden Bridge Dr.      
Mt. Pleasant, SC 29464  
Telephone No.: 843-873-8200 Fax No.: 843-225-3472

20. **WATER WELL DRILLER'S CERTIFICATION:** This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Randy Brand Date: 11-16-20  
Well Driller

If D Level Driller, provide supervising driller's name:







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**WELL LOG**

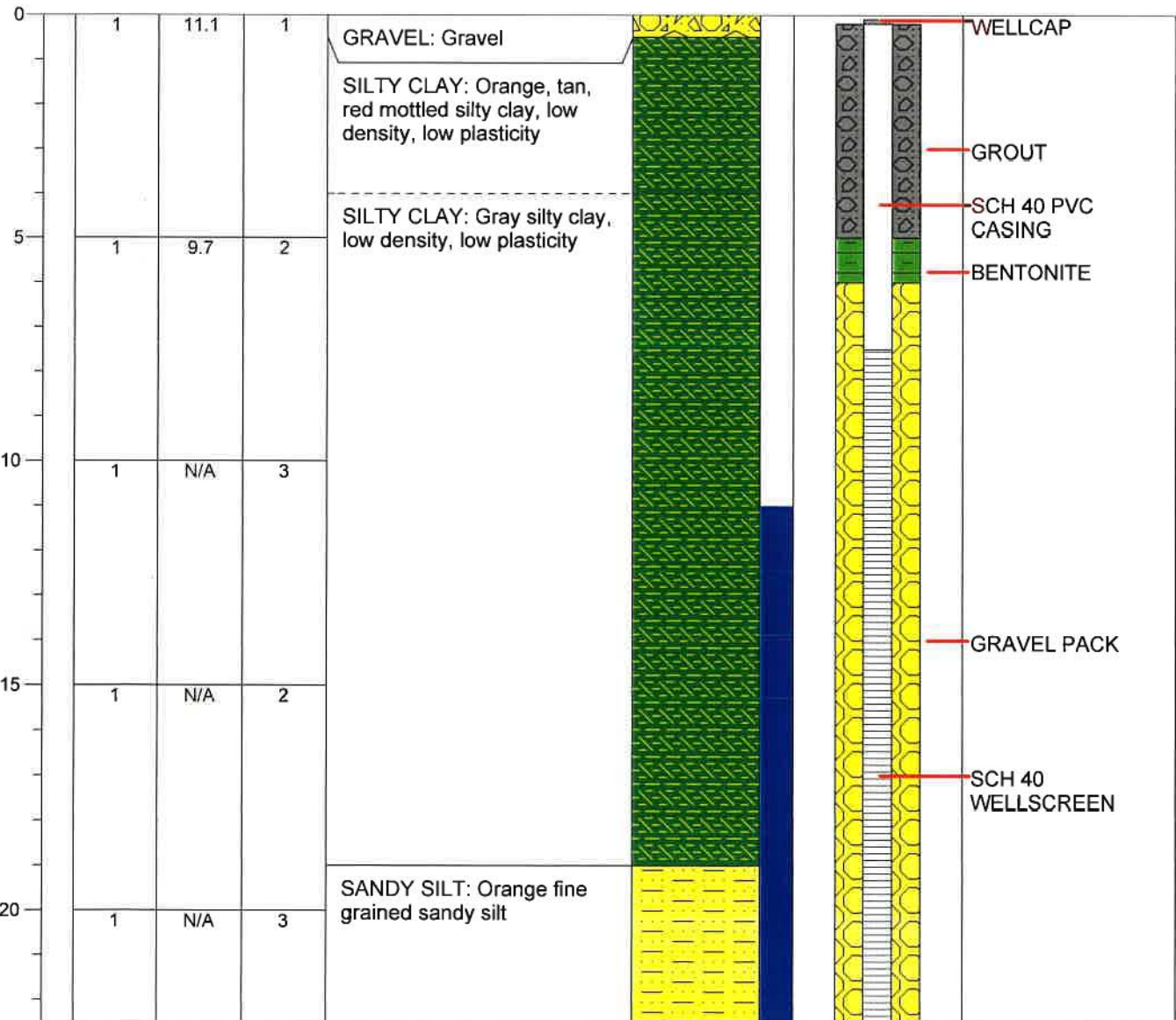
MONITORING WELL #: 02314-MW-28  
TERRY PROJECT: MARUTI KUNDAL  
PROJECT LOCATION: CHERAW, SC

TERRY PROJECT #: 2171.9M  
SCDHEC SITE ID #: 02314  
CLIENT: JACKSON OIL COMPANY, INC.  
FIELD PERSONNEL: L. JONES  
START DATE: 11/04/2020 FINISH DATE: 11/05/2020  
DRILLING COMPANY: TERRY EXPLORATION  
DRILLER: RANDY BRAND (CERT#1485B)  
DRILLING METHOD: HOLLOW STEM AUGER

HOLE DIAMETER: 8"  
CASING DIAMETER: 2"  
SCREEN DIAMETER: 2"  
TOP OF CASING ELEVATION: 167.58  
WATER LEVEL: 11.0 FT TOC  
EASTING: 405.72  
NORTHING: 464.9483  
DEVELOPMENT: PUMP/SURGE

Casing Interval 0-7.5 FT TOC Bentonite Interval 5-6 FT BGS Filter Interval 6-22.5 FT BGS  
Screen Interval 7.5-22.5 FT TOC Grout Interval 0-5 FT BGS Filter Material SAND

Depth Scale	Sample Zone	Odor 1=none 2=slight 3=strong	OVA Reading	Moisture 1=dry 2=moist 3=wet	Lithology	Water Level	Well Construction
-------------	-------------	--	----------------	---------------------------------------	-----------	-------------	-------------------







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## WELL LOG

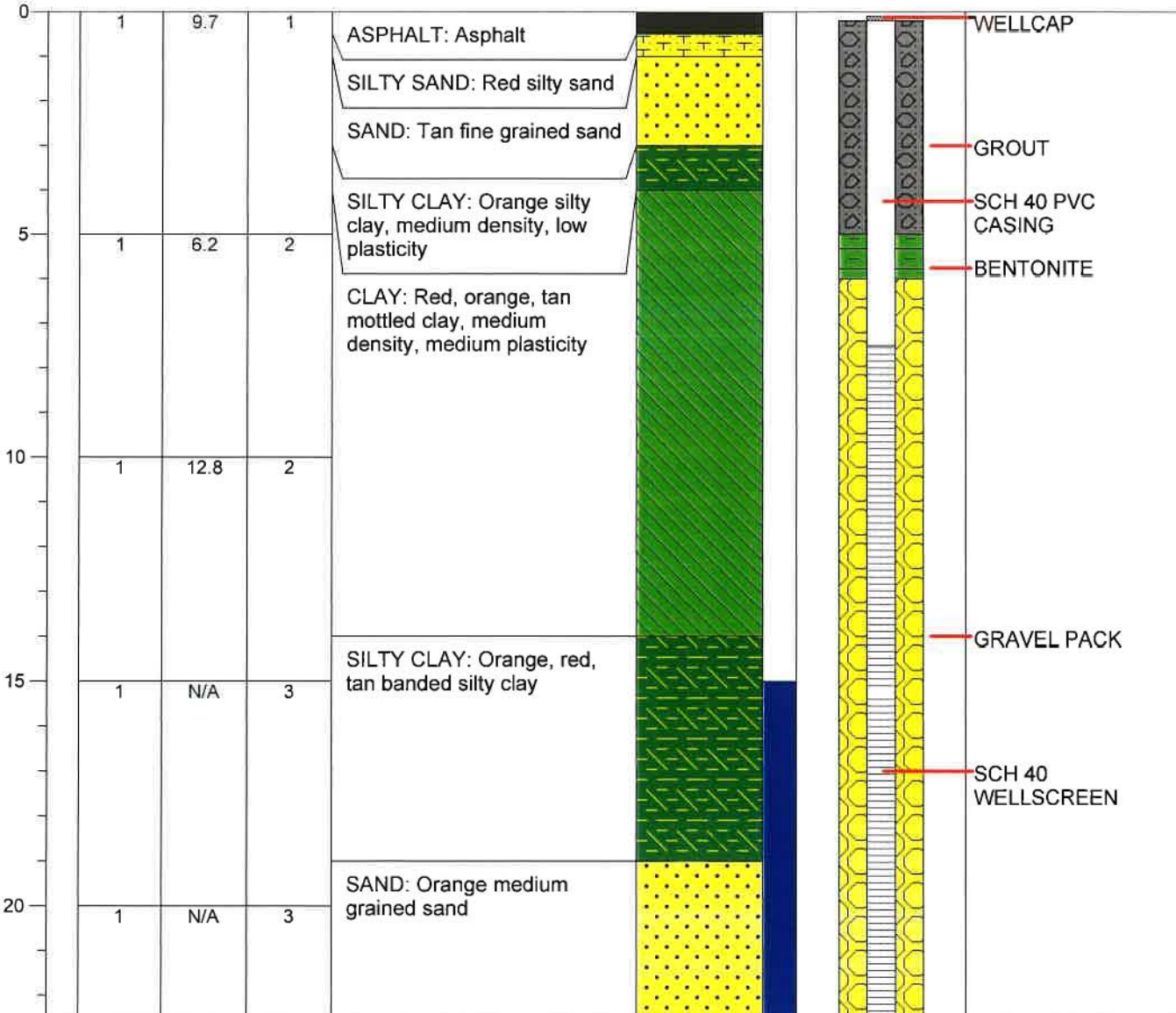
MONITORING WELL #: 02314-MW-29  
TERRY PROJECT: MARUTI KUNDAL  
PROJECT LOCATION: CHERAW, SC

TERRY PROJECT #: 2171.9M  
SCDHEC SITE ID #: 02314  
CLIENT: JACKSON OIL COMPANY, INC.  
FIELD PERSONNEL: L. JONES  
START DATE: 11/04/2020 FINISH DATE: 11/05/2020  
DRILLING COMPANY: TERRY EXPLORATION  
DRILLER: RANDY BRAND (CERT#1485B)  
DRILLING METHOD: HOLLOW STEM AUGER

HOLE DIAMETER: 8"  
CASING DIAMETER: 2"  
SCREEN DIAMETER: 2"  
TOP OF CASING ELEVATION: 171.58  
WATER LEVEL: 15.0 FT TOC  
EASTING: 730.6673  
NORTHING: 486.3119  
DEVELOPMENT: PUMP/SURGE

Casing Interval 0-7.5 FT TOC Bentonite Interval 5-6 FT BGS Filter Interval 6-22.5 FT BGS  
Screen Interval 7.5-22.5 FT TOC Grout Interval 0-5 FT BGS Filter Material SAND

Depth Scale	Sample Zone	Odor 1=none 2=slight 3=strong	OVA Reading	Moisture 1=dry 2=moist 3=wet	Lithology	Water Level	Well Construction
-------------	-------------	--	----------------	---------------------------------------	-----------	-------------	-------------------





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WWW.TERRYENVIRONMENTAL.COM

## WELL LOG

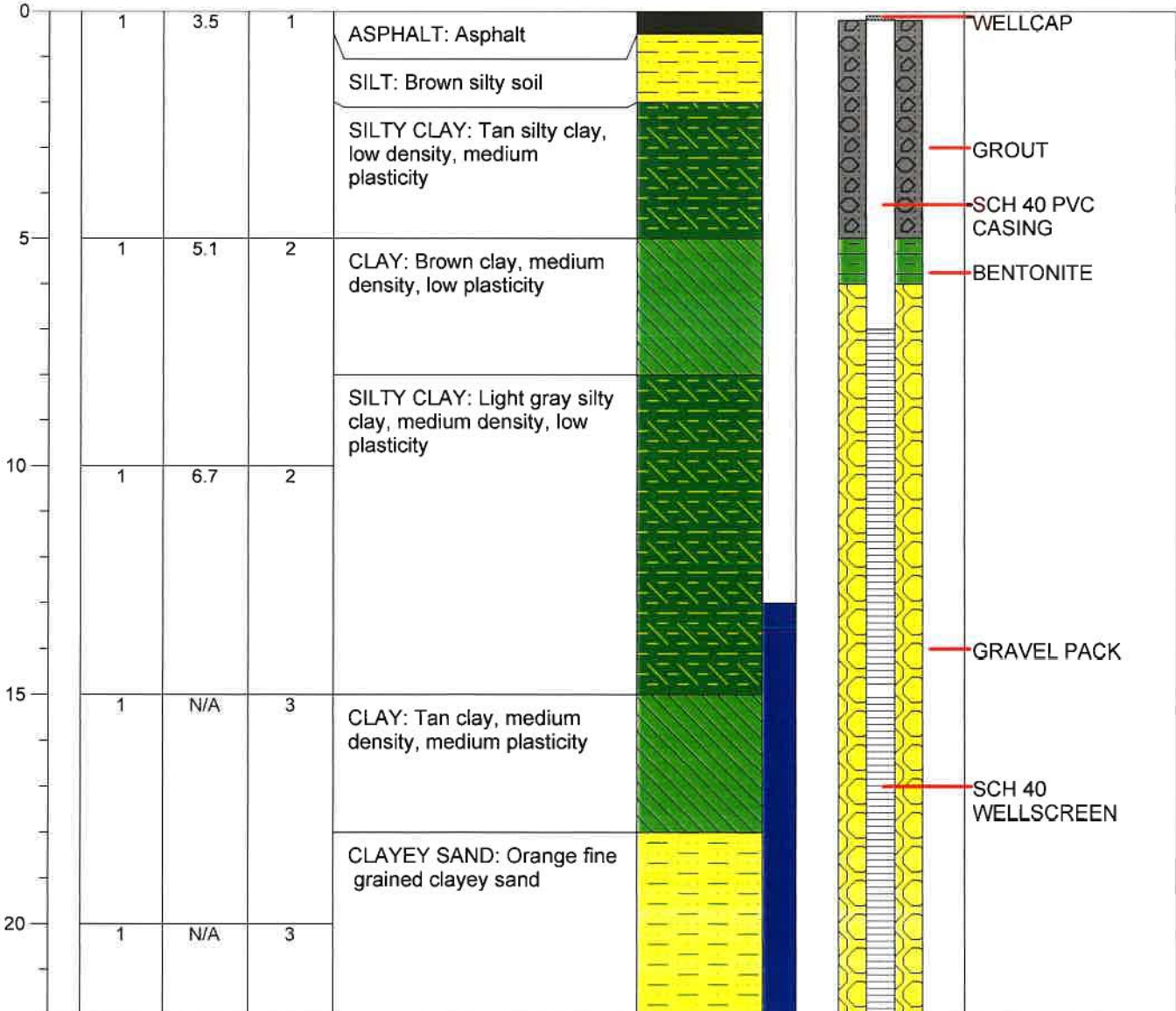
MONITORING WELL #: 02314-MW-30  
TERRY PROJECT: MARUTI KUNDAL  
PROJECT LOCATION: CHERAW, SC

TERRY PROJECT #: 2171.9M  
SCDHEC SITE ID #: 02314  
CLIENT: JACKSON OIL COMPANY, INC.  
FIELD PERSONNEL: L. JONES  
START DATE: 11/04/2020 FINISH DATE: 11/05/2020  
DRILLING COMPANY: TERRY EXPLORATION  
DRILLER: RANDY BRAND (CERT#1485B)  
DRILLING METHOD: HOLLOW STEM AUGER

HOLE DIAMETER: 8"  
CASING DIAMETER: 2"  
SCREEN DIAMETER: 2"  
TOP OF CASING ELEVATION: 169.78  
WATER LEVEL: 13.0 FT TOC  
EASTING: 640.707  
NORTHING: 544.3951  
DEVELOPMENT: PUMP/SURGE

Casing Interval 0-7.0 FT TOC Bentonite Interval 5-6 FT BGS Filter Interval 6-22.0 FT BGS  
Screen Interval 7.0-22.0 FT TOC Grout Interval 0-5 FT BGS Filter Material SAND

Depth Scale	Sample Zone	Odor 1=none 2=slight 3=strong	OVA Reading	Moisture 1=dry 2=moist 3=wet	Lithology	Water Level	Well Construction
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**Well Development Data Verification Form  
Underground Storage Tank Management Division**

Facility Name: Maruti Kundel Site ID#: 02314  
 Date: 11-5-2020 Field Personnel: L. Jones  
 Drilling Company: Terry Environmental Services Driller's Name: Randy Brand  
 Driller's Certification Number: 1485B Weather Conditions: clear, 45°

Well Development Method

Surge Block  Submersible Pump  Air Lifting   
 \* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter	Conductivity meter	Temperature meter	Turbidity meter
serial no. _____	serial no. _____	serial no. _____	serial no. _____
pH=4.0 <u>4.00</u>	standard <u>4.49</u>		NTU=0.0 <u>0.0</u>
pH=7.0 _____			NTU=1.0 _____
pH=10.0 _____			NTU=10.0 _____

Drilling Method

Hollow Stem Augers  Solid Flight Augers  Direct Push   
 Air Rotary  Mud Rotary  Sonic

Monitoring Well ID# MW-28 Well Casing Diameter 2 inches Borehole Diameter 8 inches  
 Depth to Ground Water (DGW) 10.81 ft. Screen Length/Slot Size 15 ft./ 0.010 in.  
 Total Well Depth (TWD) 22.5 ft. Screen Interval 7.5 ft. to 22.5 ft.  
 Length of water column (LWC=TWD-DGW) 11.69 ft. Type of Drilling Fluids used: N/A  
 Total Gallons of Water Removed: 40 gals. Drilling Fluids recovered N/A gals.

Time (military)	<u>0806</u>	<u>0820</u>	<u>0830</u>	<u>0835</u>	<u>0840</u>	<u>0842</u>	
pH (s.u.)*	<u>5.12</u>	<u>4.82</u>	<u>4.76</u>	<u>4.69</u>	<u>4.76</u>	<u>4.71</u>	
Specific Conductivity (mmhos/cm)*	<u>0.080</u>	<u>0.070</u>	<u>0.069</u>	<u>0.070</u>	<u>0.073</u>	<u>0.072</u>	
Water Temperature ( C)*	<u>18.8</u>	<u>19.9</u>	<u>20.5</u>	<u>20.8</u>	<u>19.9</u>	<u>20.2</u>	
Turbidity (NTU) *	<u>993</u>	<u>901</u>	<u>334</u>	<u>96.0</u>	<u>21.3</u>	<u>9.1</u>	
Physical Characteristics (color/odor)	<u>orange</u>	<u>orange</u>	<u>cloudy</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	
Water Level Measurement (ft) from TOC	<u>10.81</u>	<u>15</u>	<u>18</u>	<u>20</u>	<u>20</u>	<u>20</u>	
Total Well Depth (ft) from TOC	<u>22.1</u>	<u>22.2</u>	<u>22.3</u>	<u>22.5</u>	<u>22.5</u>	<u>22.5</u>	
Cumulative Gallons Removed	<u>0</u> gals	<u>20</u> gals	<u>30</u> gals	<u>35</u> gals	<u>38</u> gals	<u>40</u> gals	<u>gals</u>

\* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.  
 Detailed description of Well Development process: Surge block pressed through well to lift sediment into water column for removal with a submersible pump. Purging was conducted until the water began to run clear. The process was then repeated as necessary until no further sediment could be removed from the well and parameters stabilized with turbidity at a representative level for the formation.

Driller Signature: Randy Brand Date: 11-5-20



**Well Development Data Verification Form**  
**Underground Storage Tank Management Division**

Facility Name: Maruti Kundal Site ID#: 02314  
 Date: 11-5-2020 Field Personnel: L. Jones  
 Drilling Company: Terry Environmental Services Driller's Name: Randy Brand  
 Driller's Certification Number: 1485B Weather Conditions: clear, 50°

Well Development Method

Surge Block  Submersible Pump  Air Lifting   
 \* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter	Conductivity meter	Temperature meter	Turbidity meter
serial no. _____	serial no. _____	serial no. _____	serial no. _____
pH=4.0 <u>4.00</u>	standard <u>4.49</u>		NTU=0.0 <u>0.0</u>
pH=7.0 _____			NTU=1.0 _____
pH=10.0 _____			NTU=10.0 _____

Drilling Method

Hollow Stem Augers  Solid Flight Augers  Direct Push   
 Air Rotary  Mud Rotary  Sonic

Monitoring Well ID# MW-29 Well Casing Diameter 2 inches Borehole Diameter 8 inches  
 Depth to Ground Water (DGW) 14.90 ft. Screen Length/Slot Size 15 ft./ 0.010 in.  
 Total Well Depth (TWD) 22.5 ft. Screen Interval 7.5 ft. to 22.5 ft.  
 Length of water column (LWC=TWD-DGW) 7.60 ft. Type of Drilling Fluids used: N/A  
 Total Gallons of Water Removed: 30 gals. Drilling Fluids recovered N/A gals.

Time (military)	<u>1100</u>	<u>1106</u>	<u>1111</u>	<u>1118</u>	<u>1122</u>	<u>1126</u>	
pH (s.u.)*	<u>4.70</u>	<u>4.56</u>	<u>4.61</u>	<u>4.51</u>	<u>4.55</u>	<u>4.58</u>	
Specific Conductivity (mmhos/cm)*	<u>0.074</u>	<u>0.076</u>	<u>0.077</u>	<u>0.077</u>	<u>0.077</u>	<u>0.077</u>	
Water Temperature (C)*	<u>22.6</u>	<u>22.7</u>	<u>22.7</u>	<u>22.6</u>	<u>22.6</u>	<u>22.3</u>	
Turbidity (NTU) *	<u>949</u>	<u>812</u>	<u>492</u>	<u>87.0</u>	<u>8.2</u>	<u>7.7</u>	
Physical Characteristics (color/odor)	<u>orange</u>	<u>orange</u>	<u>1 orange</u>	<u>cloudy</u>	<u>clear</u>	<u>clear</u>	
Water Level Measurement (ft) from TOC	<u>14.90</u>	<u>17.0</u>	<u>17.0</u>	<u>17.0</u>	<u>17</u>	<u>17</u>	
Total Well Depth (ft) from TOC	<u>22.4</u>	<u>22.5</u>	<u>22.5</u>	<u>22.5</u>	<u>22.5</u>	<u>22.5</u>	
Cumulative Gallons Removed	<u>0</u> gals	<u>15</u> gals	<u>20</u> gals	<u>25</u> gals	<u>27</u> gals	<u>30</u> gals	<u>gals</u>

\* Development is completed once groundwater turbidity is  $\leq 10$  NTU and all parameters are  $\pm 10\%$ .  
 Detailed description of Well Development process: Surge block pressed through well to lift sediment into water column for removal with a submersible pump. Purging was conducted until the water began to run clear. The process was then repeated as necessary until no further sediment could be removed from the well and parameters stabilized with turbidity at a representative level for the formation.

Driller Signature: Randy Brand Date: 11-5-20





**Well Development Data Verification Form  
Underground Storage Tank Management Division**

Facility Name: Maruti Kundal Site ID#: 02314  
 Date: 11-5-2020 Field Personnel: L. Jones  
 Drilling Company: Terry Environmental Services Driller's Name: Randy Brand  
 Driller's Certification Number: 1485B Weather Conditions: clear, 50

Well Development Method

Surge Block  Submersible Pump  Air Lifting   
 \* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter	Conductivity meter	Temperature meter	Turbidity meter
serial no. _____	serial no. _____	serial no. _____	serial no. _____
pH=4.0 <u>4.00</u>	standard <u>4.49</u>		NTU=0.0 <u>0.0</u>
pH=7.0 _____			NTU=1.0 _____
pH=10.0 _____			NTU=10.0 _____

Drilling Method

Hollow Stem Augers  Solid Flight Augers  Direct Push   
 Air Rotary  Mud Rotary  Sonic

Monitoring Well ID# MW-30 Well Casing Diameter 2 inches Borehole Diameter 8 inches  
 Depth to Ground Water (DGW) 13.16 ft. Screen Length/Slot Size 15 ft./ 0.010 in.  
 Total Well Depth (TWD) 22.0 ft. Screen Interval 7 ft. to 22 ft.  
 Length of water column (LWC=TWD-DGW) 8.84 ft. Type of Drilling Fluids used: N/A  
 Total Gallons of Water Removed: 42 gals. Drilling Fluids recovered N/A gals.

Time (military)	<u>0932</u>	<u>0942</u>	<u>0950</u>	<u>0954</u>	<u>0959</u>	<u>1003</u>	
pH (s.u.)*	<u>4.63</u>	<u>4.56</u>	<u>4.50</u>	<u>4.45</u>	<u>4.44</u>	<u>4.48</u>	
Specific Conductivity (mmhos/cm)*	<u>0.070</u>	<u>0.059</u>	<u>0.058</u>	<u>0.059</u>	<u>0.059</u>	<u>0.059</u>	
Water Temperature ( C)*	<u>23.0</u>	<u>23.6</u>	<u>24.3</u>	<u>24.4</u>	<u>24.5</u>	<u>24.4</u>	
Turbidity (NTU) *	<u>981</u>	<u>442</u>	<u>300</u>	<u>108</u>	<u>14.4</u>	<u>6.6</u>	
Physical Characteristics (color/odor)	<u>900 orange</u>	<u>lt. orange</u>	<u>cloudy</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	
Water Level Measurement (ft) from TOC	<u>13.16</u>	<u>17</u>	<u>18</u>	<u>18</u>	<u>18</u>	<u>18</u>	
Total Well Depth (ft) from TOC	<u>22.0</u>	<u>22.0</u>	<u>22.0</u>	<u>22.0</u>	<u>22.0</u>	<u>22.0</u>	
Cumulative Gallons Removed	<u>0</u> gals	<u>20</u> gals	<u>30</u> gals	<u>34</u> gals	<u>38</u> gals	<u>42</u> gals	

\* Development is completed once groundwater turbidity is  $\leq 10$  NTU and all parameters are  $\pm 10\%$ .  
 Detailed description of Well Development process: Surge block pressed through well to lift sediment into water column for removal with a submersible pump. Purging was conducted until the water began to run clear. The process was then repeated as necessary until no further sediment could be removed from the well and parameters stabilized with turbidity at a representative level for the formation.

Driller Signature: Randy Brand Date: 11-5-20



**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>11 / 15 / 2020</u>  <b>Time:</b> <u>0800</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u> <b>Lot Number:</b> <u>14078</u>		<b>Expiration Date:</b> <u>07/23/2021</u>
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>3.97</u>	± <u>0.03</u>
Conductivity: 4.49 mS/cm	<u>4.52</u> mS/cm	± <u>0.03</u> mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± <u>0.0</u> NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>9.2</u> °C	<u>8.8</u> °C	± <u>0.4</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Well Development Maruti Kundal

2171.9M

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> J6RAKC0E/VPTPGA3X T13E334F/V3KNWUE9	<b>Date:</b> <u>11 / 5 / 2020</u>  <b>Time:</b> <u>1135</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u> <b>Lot Number:</b> <u>14078</u>	<b>Expiration Date:</b> <u>07/23/2021</u>	
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>4.00</u>	± <u>0.00</u>
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± <u>0.00</u> mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± <u>0.0</u> NTU

<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer: <u>18.6 °C</u>	<u>19.0 °C</u>	± <u>0.4 °C</u>

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Well Development 2171.9M  
Maruti Kundal

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**APPENDIX F**

**Aquifer Evaluation Forms  
(Not Applicable)**

**APPENDIX G**  
**Disposal Manifest**



**NON-HAZARDOUS WASTE MANIFEST**

1. Generator ID Number

2. Page 1 of 1

3. Job Number  
D-11125113

4. Waste Tracking Number  
5113-1

5. Generator's Name and Mailing Address  
**Jackson Oil**  
755 South 4th Street  
Hartsville, SC 29550

Generator's Site Address (if different than mailing address)  
Maruti Kundel ( P. Windsor Mart)  
820 Chesterfield Hwy  
Charaw, SC 29520

Generator's Phone:

6. Transporter 1 Company Name

**JBR Environmental Services (864) 583-2717**

U S EPA ID Number

**SCR000004358**

7. Transporter 2 Company Name

U S EPA ID Number

8. Designated Facility Name and Site Address

**JBR Environmental Services**  
210 Alice St.  
Spartanburg, SC 29303 (864) 583-2717

U S EPA ID Number

**SCR000004358**

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

No

Type

11. Total

12. Unit

1 Non-DOT /Non-RCRA Regulated Material  
(Contaminated Soil)

5

DM

3,500

P

2 (Purge Water)

2

DM

900

P

3

4400

P

4

2.2 Ton

13. Special Handling Instructions and Additional Information

- 1.) Profile # TE-817905
- 2.) Profile # TE-415590
- 3.) Profile #
- 4.) Profile #

(Truck Number)

(Type if Applicable)

14. GENERATOR/SOFFEROR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations

Generator's Office: Printed/Typed Name

Signature

Month Day Year

*K.K. Corcoran and Jackson Oil* | *[Signature]* | 11 | 09 | 20

15. International Shipments

Imported U.S.

Export from U.S.

Port of entry/exit  
Date leaving U.S.

Transporter Signature (for exports only)

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

*Tim Chumley*

*Tim Chumley*

11 | 9 | 20

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number

17b. Alternate Facility (or Generator)

U S EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator Certification of Receipt of Materials covered by the manifest except as noted in item 17a

Printed/Typed Name

Signature

Month Day Year

*Scott Edler*

*[Signature]*

11 | 09 | 20



**APPENDIX H**

**Local Zoning Regulations  
(Not Applicable)**

**APPENDIX I**

**Fate and Transport Modeling Data  
(Not Applicable)**

## **APPENDIX J**

### **Access Agreements**

**RIGHT OF ENTRY**

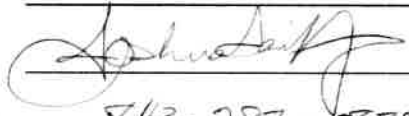
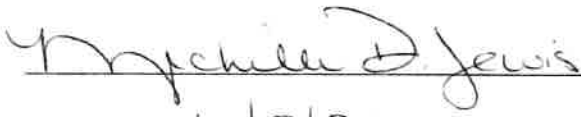
I, Joshua C. Sandifer certify that I am the legal owner or the authorized representative for Joshua C. Sandifer (owner) of the property described below. Permission is hereby granted to TERRY Environmental Services, Inc. (TERRY) and its agents to enter the referenced property for the following purposes:

Name of Facility: Commercial Property  
Property as defined by Tax Parcel #258-013-001-004  
Location: 113 Windsor Drive, Cheraw SC  
Deed Book: 527  
Deed Page: 676  
Plat Book: -  
Plat Page: -  
Acres: -

Performance of environmental assessment activities including groundwater boring, well installation, sampling, and/or testing as directed by the South Carolina Department of Health and Environmental Control (SCDHEC) Bureau of Underground Storage Tank Management.

TERRY will perform its work on the Property in a good and workmanlike manner, and will keep the Wells in good maintenance and repair while they are installed on the Property

Once SCDHEC determines "No Further Action" is required at the Windsor Mart site, the monitoring wells on your property will be removed. TERRY will complete the work within 60 days of written notice from SCDHEC and will restore the Property to the same condition as exists in the area immediately surrounding the well (i.e. asphalt, concrete, or turf).

Name: Joshua C. Sandifer  
Signature:   
Telephone #: 843-287-0835  
Witness:   
Date: 10/8/2020

Terry Project: Jackson Oil Co. Windsor Mart - 2171.9M

**RIGHT OF ENTRY**

I, Robert James Wolfe certify that I am the legal owner or the authorized representative for Public Domain (Town of Cheraw) (owner) of the property described below. Permission is hereby granted to TERRY Environmental Services, Inc. (TERRY) and its agents to enter the referenced property for the following purposes:

Name of Facility: Alley Behind Strip Mall at Windsor Drive and Chesterfield Highway  
Property as defined by Tax Plat; Book 23 Page 123  
Location: Alley Between Parcel #258-013-001-004 and #258-013-001-003

Performance of environmental assessment activities including groundwater boring, well installation, sampling, and/or testing as directed by the South Carolina Department of Health and Environmental Control (SCDHEC) Bureau of Underground Storage Tank Management.

TERRY will perform its work on the Property in a good and workmanlike manner, and will keep the Wells in good maintenance and repair while they are installed on the Property.

Once SCDHEC determines "No Further Action" is required at the Maruti Kundal (Former Windsor Mart) site, the monitoring wells on your property will be removed. TERRY will complete the work within 60 days of written notice from SCDHEC and will restore the Property to the same condition as exists in the area immediately surrounding the well (i.e. asphalt, concrete, or turf).

Name: Robert James Wolfe

Signature: [Handwritten Signature]

Telephone #: 843-537-8400

Witness: [Handwritten Signature]

Date: 8/4/20

Terry Project: Maruti Kundal (Former Windsor Mart)- 2171.9M

843-873-8765

RIGHT OF ENTRY

I, Jimmy M. Kirkley certify that I am the legal owner or the authorized representative for CMC Building Supply, Inc. (owner) of the property described below. Permission is hereby granted to TERRY Environmental Services, Inc. (TERRY) and its agents to enter the referenced property for the following purposes:

Name of Facility: Commercial Property  
Property as defined by Tax Parcel #258-013-002-005  
Location: Chesterfield Hwy, Cheraw SC  
Deed Book: -  
Deed Page: -  
Plat Book: -  
Plat Page: -  
Acres: 0.266

Performance of environmental assessment activities including groundwater boring, well installation, sampling, and/or testing as directed by the South Carolina Department of Health and Environmental Control (SCDHEC) Bureau of Underground Storage Tank Management.

TERRY will perform its work on the Property in a good and workmanlike manner, and will keep the Wells in good maintenance and repair while they are installed on the Property.

Once SCDHEC determines "No Further Action" is required at the Windsor Mart site, the monitoring wells on your property will be removed. TERRY will complete the work within 60 days of written notice from SCDHEC and will restore the Property to the same condition as exists in the area immediately surrounding the well (i.e. asphalt, concrete, or turf).

Name: Jimmy M. Kirkley

Signature: Jimmy M. Kirkley

Telephone #: 843-537-3632

Witness: Katelyn A. Smith

Date: 1/9/15

Terry Project: Jackson Oil Co. Windsor Mart - 2171.9A

## **APPENDIX K**

### **Data Verification Checklist**

## Contractor Checklist – Maruti Kundal (Former Windsor Mart)

**UST Permit #02314 - TERRY Project #2171.9M**

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	X		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?	X		
17	Has the method of well development been detailed?	X		
18	Has justification been provided for the locations of the monitoring wells?	X		
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?			X



Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)	X		
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

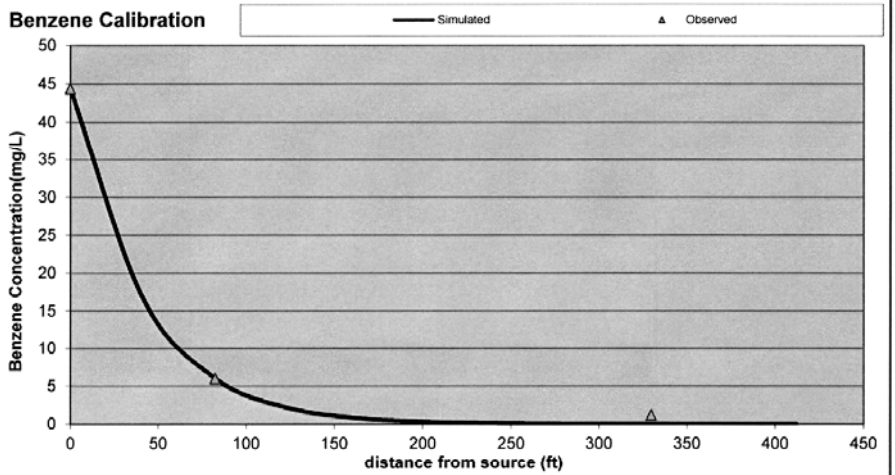
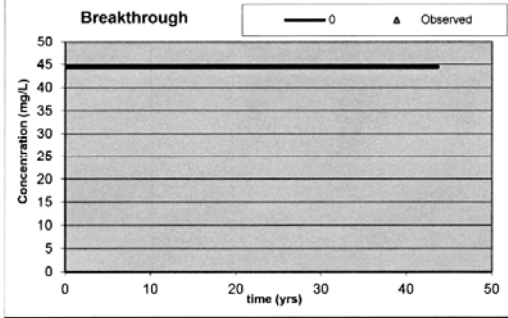
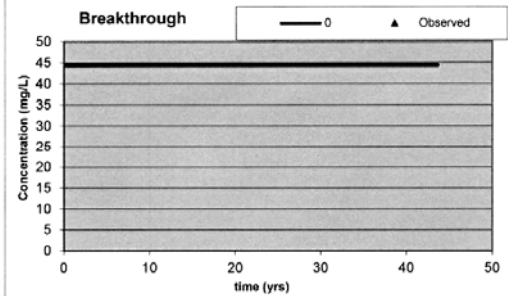


Domenico Model			Transport Parameters			Simulation Time																																																														
UST # 02314 Site Name: Maruti Kundal Modeler: Amanda Feltz Date: 11.30.2020			$x_{max}$ <input type="text" value="412"/> ft $y_{max}$ <input type="text" value="123.25"/> ft $z$ <input type="text" value="0"/> ft Source Width <input type="text" value="60"/> ft Source Thickness <input type="text" value="30"/> ft			$t_{sim}$ <input type="text" value="43.6"/> yrs																																																														
Groundwater Flow Parameters			Plume Length			Aquifer Characteristics																																																														
$K$ <input type="text" value="12000"/> ft/yr $dh/dx$ <input type="text" value="0.0017"/> $\theta$ <input type="text" value="0.25"/> dec. % $v_x$ <input type="text" value="81.6"/> ft/yr			$322.5$ ft $\alpha_x$ <input type="text" value="14.38075"/> ft $\alpha_y$ <input type="text" value="1.438075"/> ft $\alpha_z$ <input type="text" value="1.00E-99"/> ft			$\rho_d$ <input type="text" value="1.5"/> kg/L $f_{oc}$ <input type="text" value="0.0002"/>																																																														
Source Area CoC Data			Retarded Velocity (ft/yr)			Simulation Points for Breakthrough Curves																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CoC</th> <th><math>C_{source}</math> (mg/L)</th> <th><math>K_{oc}</math> (L/kg)</th> </tr> </thead> <tbody> <tr><td>Benzene</td><td>44.39</td><td>81</td></tr> <tr><td>Toluene</td><td>26.54</td><td>133</td></tr> <tr><td>Ethylbenzene</td><td>3.7</td><td>176</td></tr> <tr><td>Xylenes</td><td>21.68</td><td>639</td></tr> <tr><td>Naphthalene</td><td></td><td>1543</td></tr> <tr><td>  MtBE</td><td></td><td>11</td></tr> <tr><td>  EDB</td><td></td><td>28</td></tr> <tr><td>  1,2-DCA</td><td></td><td>17.5</td></tr> </tbody> </table>			CoC	$C_{source}$ (mg/L)	$K_{oc}$ (L/kg)	Benzene	44.39	81	Toluene	26.54	133	Ethylbenzene	3.7	176	Xylenes	21.68	639	Naphthalene		1543	MtBE		11	EDB		28	1,2-DCA		17.5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CoC</th> <th>R</th> <th><math>v_R</math></th> </tr> </thead> <tbody> <tr><td>Benzene</td><td>1.097</td><td>74.37</td></tr> <tr><td>Toluene</td><td>1.160</td><td>70.37</td></tr> <tr><td>Ethylbenzene</td><td>1.211</td><td>67.37</td></tr> <tr><td>Xylenes</td><td>1.767</td><td>46.19</td></tr> <tr><td>Naphthalene</td><td>2.852</td><td>28.62</td></tr> <tr><td>  MtBE</td><td>1.013</td><td>80.54</td></tr> <tr><td>  EDB</td><td>1.034</td><td>78.95</td></tr> <tr><td>  1,2-DCA</td><td>1.021</td><td>79.92</td></tr> </tbody> </table>			CoC	R	$v_R$	Benzene	1.097	74.37	Toluene	1.160	70.37	Ethylbenzene	1.211	67.37	Xylenes	1.767	46.19	Naphthalene	2.852	28.62	MtBE	1.013	80.54	EDB	1.034	78.95	1,2-DCA	1.021	79.92	<table style="width: 100%;"> <tr> <td style="width: 50%;"><math>x</math> <input type="text"/></td> <td style="width: 50%;"><math>x</math> <input type="text"/> ft</td> </tr> <tr> <td><math>y</math> <input type="text"/></td> <td><math>y</math> <input type="text"/> ft</td> </tr> <tr> <td><math>z</math> <input type="text"/></td> <td><math>z</math> <input type="text"/> ft</td> </tr> </table>			$x$ <input type="text"/>	$x$ <input type="text"/> ft	$y$ <input type="text"/>	$y$ <input type="text"/> ft	$z$ <input type="text"/>	$z$ <input type="text"/> ft
CoC	$C_{source}$ (mg/L)	$K_{oc}$ (L/kg)																																																																		
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$C(x, y, z, t) = \left(\frac{C_0}{8}\right) \exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1 - \sqrt{1 + \frac{4\lambda\alpha_x}{v}}\right)\right] \operatorname{erfc}\left[\frac{x - vt\sqrt{1 + \frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right] \left\{ \operatorname{erf}\left[\frac{y + \frac{Y}{2}}{2\sqrt{\alpha_y x}}\right] - \operatorname{erf}\left[\frac{y - \frac{Y}{2}}{2\sqrt{\alpha_y x}}\right] \right\} \left\{ \operatorname{erf}\left[\frac{z + Z}{2\sqrt{\alpha_z x}}\right] - \operatorname{erf}\left[\frac{z - Z}{2\sqrt{\alpha_z x}}\right] \right\}$																																																																				

Benzene Calibration								
Spatial Calibration Data			Temporal Calibration Data				Site ID	02314
(centerline)							Site Name	Maruti Kundal
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	
0	44.39	44.39	0		44.39		44.39	
41.2		16.700	4.36		44.390		44.390	
82.4	6	6.030	8.72		44.390		44.390	
123.6		2.137	13.08		44.390		44.390	
164.8		0.757	17.44		44.390		44.390	
206		0.269	21.8		44.390		44.390	
247.2		0.096	26.16		44.390		44.390	
288.4		0.035	30.52		44.390		44.390	
329.6	1.2	0.013	34.88		44.390		44.390	
370.8		0.005	39.24		44.390		44.390	
412		0.002	43.6		44.390		44.390	

Model Calibration Parameters			
t <sub>1/2</sub>	0.295 yrs	λ	2.34915 yr <sup>-1</sup>
v <sub>x</sub>	81.6 ft/yr		
R	1.097		
v <sub>R</sub>	74.371 ft/yr	C <sub>source</sub>	44.39 mg/L
L <sub>p</sub>	322.5 ft	t <sub>sim</sub>	43.6 yrs
α <sub>x</sub>	14.38075 ft		
α <sub>y</sub>	1.438075 ft		
α <sub>z</sub>	1E-99 ft		

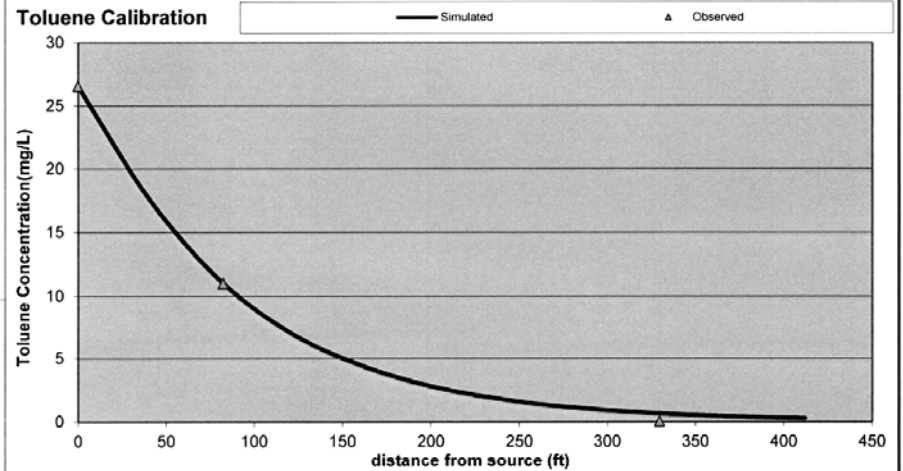
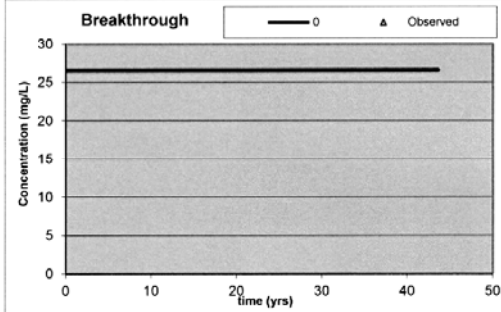
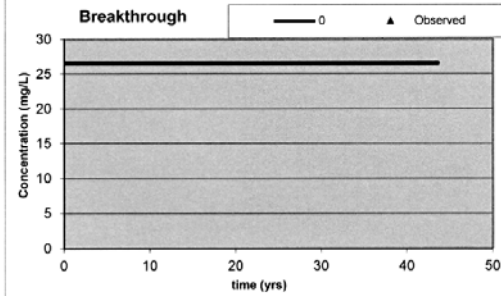


Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	4.3994E-09	9.1218E-07	8.3859E-06	2.1982E-05	3.064E-05	2.97E-05	2.29E-05	1.52E-05	9.01E-06
61.625	0.03082547	0.1269652	0.11242758	0.08658825	0.03335858	0.0153165	0.006676	0.002813	0.001158	0.000468
0	16.6995095	6.03027469	2.13701246	0.75712463	0.26943875	0.0963836	0.034646	0.012508	0.004533	0.001648
61.625	0.03082547	0.1269652	0.11242758	0.08658825	0.03335858	0.0153165	0.006676	0.002813	0.001158	0.000468
123.25	0	4.3994E-09	9.1218E-07	8.3859E-06	2.1982E-05	3.064E-05	2.97E-05	2.29E-05	1.52E-05	9.01E-06

Toluene Calibration								
Spatial Calibration Data			Temporal Calibration Data					Site ID
(centerline)			0					02314
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Site Name
0	26.54	26.54	0		26.54		26.54	Maruti Kundal
41.2		17.453	4.36		26.540		26.540	
82.4	11	11.017	8.72		26.540		26.540	
123.6		6.824	13.08		26.540		26.540	
164.8		4.226	17.44		26.540		26.540	
206		2.629	21.8		26.540		26.540	
247.2		1.644	26.16		26.540		26.540	
288.4		1.033	30.52		26.540		26.540	
329.6	0.041	0.652	34.88		26.540		26.540	
370.8		0.413	39.24		26.540		26.540	
412		0.262	43.6		26.540		26.540	

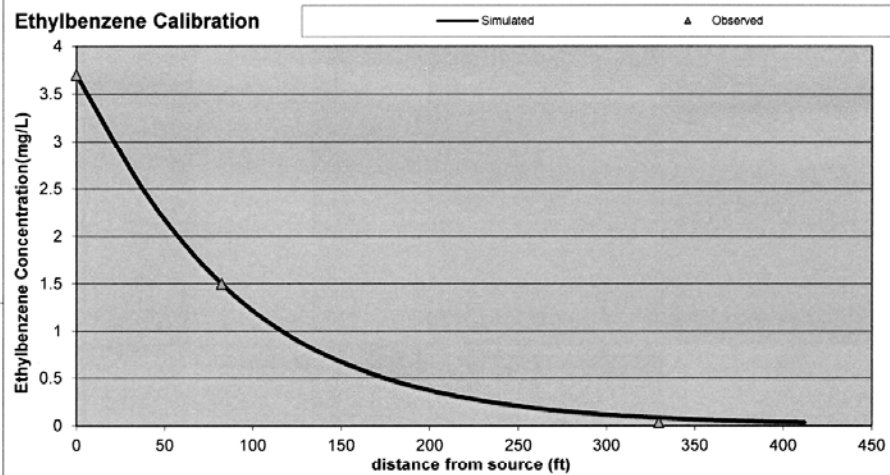
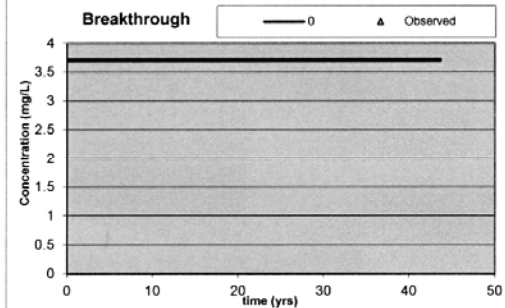
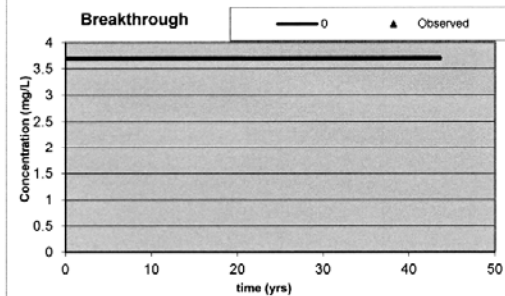
Model Calibration Parameters			
t <sub>1/2</sub>	0.858 yrs	λ	0.80769 yr <sup>-1</sup>
v <sub>x</sub>	81.6 ft/yr		
R	1.160		
v <sub>R</sub>	70.369 ft/yr	C <sub>source</sub>	26.54 mg/L
L <sub>p</sub>	322.5 ft	t <sub>sim</sub>	43.6 yrs
α <sub>x</sub>	14.38075 ft		
α <sub>y</sub>	1.438075 ft		
α <sub>z</sub>	1E-99 ft		



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	8.0372E-09	2.913E-06	4.6812E-05	0.0002145	0.0005227	0.000886	0.001195	0.001382	0.001435
61.625	0.03221621	0.23195224	0.35903417	0.37171452	0.32551312	0.2612573	0.199065	0.14662	0.105478	0.074593
0	17.4529375	11.0166856	6.82448617	4.22648488	2.62918437	1.6440425	1.03304	0.651916	0.412949	0.262431
61.625	0.03221621	0.23195224	0.35903417	0.37171452	0.32551312	0.2612573	0.199065	0.14662	0.105478	0.074593
123.25	0	8.0372E-09	2.913E-06	4.6812E-05	0.0002145	0.0005227	0.000886	0.001195	0.001382	0.001435

**Ethylbenzene Calibration**

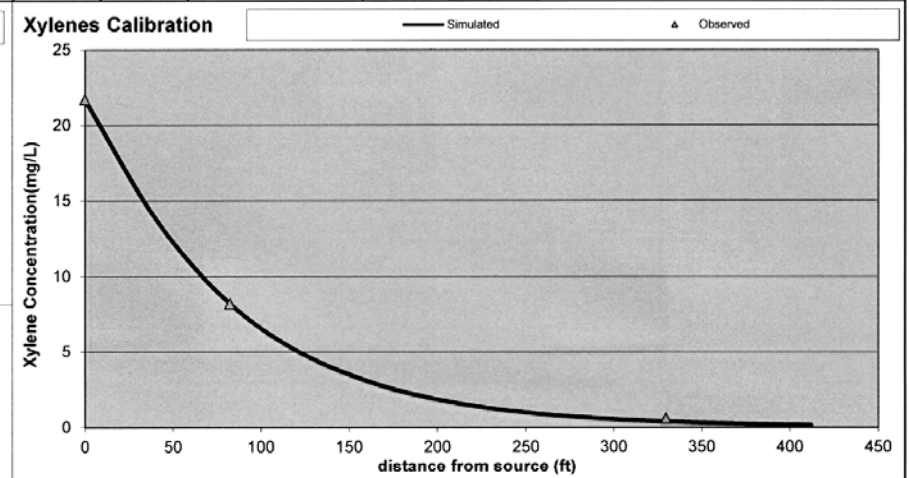
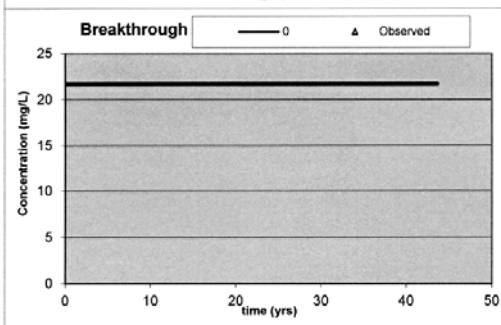
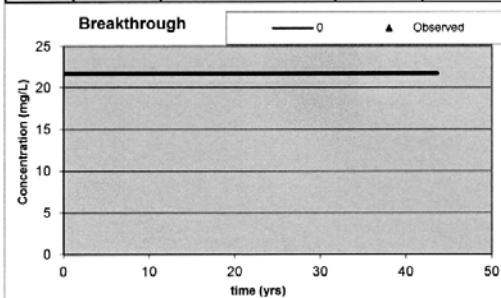
Spatial Calibration Data (centerline)			Temporal Calibration Data				Site ID	02314	
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Site Name	Maruti Kundal
0	3.7	3.7	0		3.7		3.7	<b>Model Calibration Parameters</b> $t_{1/2}$ 0.867 yrs $\lambda$ 0.79931 yr <sup>-1</sup> $v_s$ 81.6 ft/yr $R$ 1.211 $v_R$ 67.371 ft/yr $C_{source}$ 3.7 mg/L $L_p$ 322.5 ft $\alpha_x$ 14.38075 ft $t_{sim}$ 43.6 yrs $\alpha_y$ 1.438075 ft $\alpha_z$ 1E-99 ft	
41.2		2.403	4.36		3.700		3.700		
82.4	1.5	1.499	8.72		3.700		3.700		
123.6		0.917	13.08		3.700		3.700		
164.8		0.561	17.44		3.700		3.700		
206		0.345	21.8		3.700		3.700		
247.2		0.213	26.16		3.700		3.700		
288.4		0.132	30.52		3.700		3.700		
329.6	0.036	0.082	34.88		3.700		3.700		
370.8		0.052	39.24		3.700		3.700		
412		0.032	43.6		3.700		3.700		



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	1.0932E-09	3.9138E-07	6.2126E-06	2.8119E-05	6.768E-05	0.000113	0.000151	0.000172	0.000177
61.625	0.00443638	0.03155051	0.04823886	0.0493315	0.04267139	0.0338291	0.025461	0.018523	0.013163	0.009195
0	2.40338214	1.49850689	0.91691956	0.56091117	0.34465875	0.21288	0.132127	0.082361	0.051532	0.032348
61.625	0.00443638	0.03155051	0.04823886	0.0493315	0.04267139	0.0338291	0.025461	0.018523	0.013163	0.009195
123.25	0	1.0932E-09	3.9138E-07	6.2126E-06	2.8119E-05	6.768E-05	0.000113	0.000151	0.000172	0.000177

**Xylenes Calibration**

Spatial Calibration Data (centerline)			Temporal Calibration Data				Site ID 02314	
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Site Name Maruti Kundal
0	21.68	21.68	0		21.68		21.68	<b>Model Calibration Parameters</b>  $t_{1/2}$ 1.16 yrs $\lambda$ 0.59741 yr <sup>-1</sup> $v_x$ 81.6 ft/yr $R$ 1.767 $v_R$ 46.185 ft/yr      C <sub>source</sub> 21.68 mg/L $L_p$ 322.5 ft $\alpha_x$ 14.38075 ft      t <sub>sim</sub> 43.6 yrs $\alpha_y$ 1.438075 ft $\alpha_z$ 1E-99 ft
41.2		13.616	4.36		21.680		21.680	
82.4	8.2	8.208	8.72		21.680		21.680	
123.6		4.856	13.08		21.680		21.680	
164.8		2.872	17.44		21.680		21.680	
206		1.706	21.8		21.680		21.680	
247.2		1.019	26.16		21.680		21.680	
288.4		0.611	30.52		21.680		21.680	
329.6	0.6	0.369	34.88		21.680		21.680	
370.8		0.223	39.24		21.680		21.680	
412		0.135	43.6		21.680		21.680	



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	5.9881E-09	2.0727E-06	3.1811E-05	0.0001392	0.0003239	0.000524	0.000675	0.000746	0.00074
61.625	0.0251331	0.17281568	0.25546621	0.25259242	0.2112479	0.1619218	0.117827	0.082881	0.056943	0.038458
0	13.6157008	8.20796568	4.85587661	2.87203754	1.70625895	1.0189434	0.611459	0.368515	0.222932	0.135302
61.625	0.0251331	0.17281568	0.25546621	0.25259242	0.2112479	0.1619218	0.117827	0.082881	0.056943	0.038458
123.25	0	5.9881E-09	2.0727E-06	3.1811E-05	0.0001392	0.0003239	0.000524	0.000675	0.000746	0.00074

SSTLs

t 1000 yrs

UST Permit # 02314  
Site Name: Maruti Kundal

SSTLs in mg/L		RBSLs (mg/L):			0.005	1.000	0.700	10.000				
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL	Xylenes SSTL					
MW-1	485		0	803.557	224.283	181.482	3855.490					
MW-2R	479	0	0	694.046	210.132	169.726	3588.091					
MW-3	441	0	0	274.097	138.905	110.929	2273.288					
MW-4	487	0	0	843.765	229.207	185.577	3948.938					
MW-7	498	0	0	1103.588	258.259	209.787	4504.474					
MW-8	524	0	0	2080.229	342.211	280.150	6144.638					
MW-12	451	0	0	350.084	154.922	124.090	2563.909					
MW-13	542	0	0	3224.792	415.639	342.097	7614.669					
MW-14	600	0	0	13211.404	775.731	649.638	15162.911					
MW-15	459	0	0	425.736	169.038	135.721	2822.636					
MW-19	596	0	0	11988.328	743.138	621.599	14461.063					
MW-20	561	0	0	5120.340	510.104	422.238	9545.753					
MW-21	600	0	0	13211.404	775.731	649.638	15162.911					
MW-23	646	0	0	40334.654	1269.502	1077.861	26122.830					
MW-24	638	0	0	33222.796	1165.436	987.141	23768.076					
MW-25	667	0	0	67097.004	1588.653	1357.323	33465.949					
MW-27	553	0	0	4214.766	467.983	386.448	8679.622					
RW-1	498	0	0	1103.588	258.259	209.787	4504.474					
RW-2	487	0	0	843.765	229.207	185.577	3948.938					
RW-3	460	0	0	436.273	170.890	137.249	2856.743					
				$\lambda$ (yr <sup>-1</sup> ):	2.349	0.808	0.799	0.597				
				R:	1.097	1.160	1.211	1.767				
				Pure Substance Solubility:	1750	526	169	175				
				Effective Solubility:	44.39	26.54	3.7	21.68				

SSTLs

t 1000 yrs

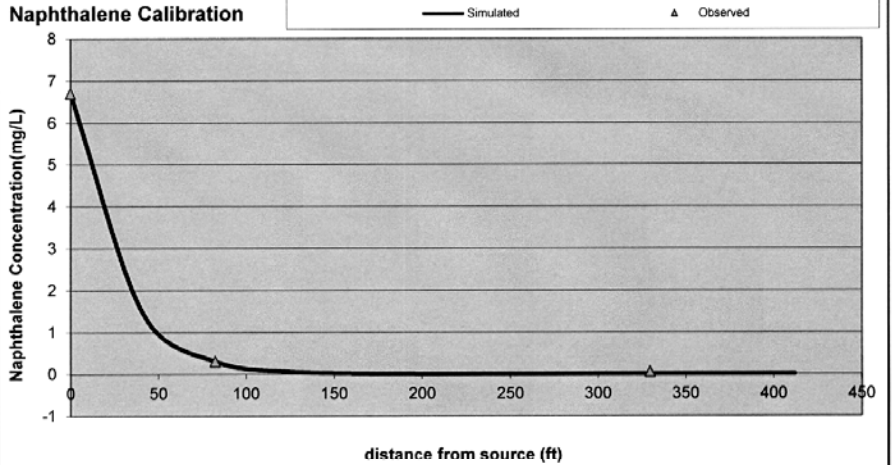
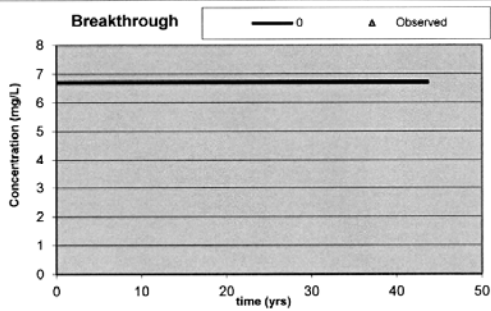
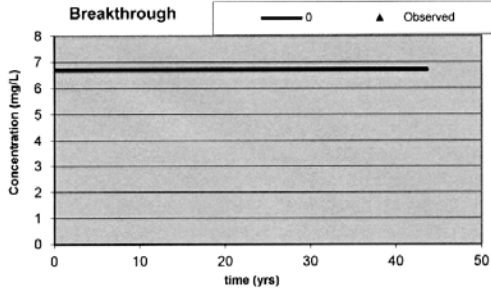
UST Permit # 02314  
Site Name: Maruti Kundal

SSTLs in mg/L		RBSLs (mg/L):			0.005	1.000	0.700	10.000				
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL	Xylenes SSTL					
RW-4	564			5507.927	526.850	436.490	9892.215					
RW-5	570			6373.156	561.992	466.441	10623.020					
				$\lambda$ (yr <sup>-1</sup> ):	2.349	0.808	0.799	0.597				
				R:	1.097	1.160	1.211	1.767				
				Pure Substance Solubility:	1750	526	169	175				
				Effective Solubility:	44.39	26.54	3.7	21.68				



Domenico Model			Transport Parameters			Simulation Time			
UST # 02314 Naph Site Name: Maruti Kundal Modeler: Amanda Feltz Date: 11.30.2020			$x_{max}$ 412 ft $y_{max}$ 123.25 ft $z$ 0 ft Source Width 60 ft Source Thickness 30 ft			$t_{sim}$ 43.6 yrs			
Groundwater Flow Parameters			Plume Length			Aquifer Characteristics			
$K$ 1100 ft/yr $dh/dx$ 0.0017 $\theta$ 0.25 dec. % $v_x$ 7.48 ft/yr			322.5 ft $\alpha_x$ 14.38075 ft $\alpha_y$ 1.438075 ft $\alpha_z$ 1.00E-99 ft			$\rho_d$ 1.5 kg/L $f_{oc}$ 0.0002			
Source Area CoC Data			Retarded Velocity (ft/yr)			Simulation Points for Breakthrough Curves			
CoC	$C_{source}$ (mg/L)	$K_{oc}$ (L/kg)	CoC	R	$v_R$	x	ft	x	ft
Benzene	6.7	81	Benzene	1.097	6.82	y	ft	y	ft
Toluene		133	Toluene	1.160	6.45	z	ft	z	ft
Ethylbenzene		176	Ethylbenzene	1.211	6.18				
Xylenes		639	Xylenes	1.767	4.23				
Naphthalene		1543	Naphthalene	2.852	2.62				
MtBE		11	MtBE	1.013	7.38				
EDB		28	EDB	1.034	7.24				
1,2-DCA		17.5	1,2-DCA	1.021	7.33				
$C(x, y, z, t) = \left(\frac{C_0}{8}\right) \exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1 - \sqrt{1 + \frac{4\lambda\alpha_x}{v}}\right)\right] \operatorname{erfc}\left[\frac{x - vt\sqrt{1 + \frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right] \left\{ \operatorname{erf}\left[\frac{y + \frac{Y}{2}}{2\sqrt{\alpha_y x}}\right] - \operatorname{erf}\left[\frac{y - \frac{Y}{2}}{2\sqrt{\alpha_y x}}\right] \right\} \left\{ \operatorname{erf}\left[\frac{z + Z}{2\sqrt{\alpha_z x}}\right] - \operatorname{erf}\left[\frac{z - Z}{2\sqrt{\alpha_z x}}\right] \right\}$									

Spatial Calibration Data (centerline)			Temporal Calibration Data				Site ID 02314 Naph	
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Site Name Maruti Kundal
0	6.7	6.7	0		6.7		6.7	<b>Model Calibration Parameters</b> $t_{1/2}$ 4.656 yrs $\lambda$ 0.14884 yr <sup>-1</sup> $v_x$ 7.48 ft/yr $R$ 2.852 $v_R$ 2.623 ft/yr      C <sub>source</sub> 6.7 mg/L $L_p$ 322.5 ft $t_{sim}$ 43.6 yrs $\alpha_x$ 14.38075 ft $\alpha_y$ 1.438075 ft $\alpha_z$ 1E-99 ft
41.2		1.448	4.36		6.700		6.700	
82.4	0.3	0.300	8.72		6.700		6.700	
123.6		0.060	13.08		6.700		6.700	
164.8		0.011	17.44		6.700		6.700	
206		0.002	21.8		6.700		6.700	
247.2		0.000	26.16		6.700		6.700	
288.4		0.000	30.52		6.700		6.700	
329.6	0.052	0.000	34.88		6.700		6.700	
370.8		0.000	39.24		6.700		6.700	
412		0.000	43.6		6.700		6.700	



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	2.1858E-10	2.5497E-08	1.2342E-07	1.4583E-07	7.067E-08	1.68E-08	2.13E-09	1.48E-10	5.81E-12
61.625	0.00267343	0.00630826	0.00314256	0.00098005	0.00022131	3.533E-05	3.79E-06	2.61E-07	1.13E-08	3.02E-10
0	1.44831423	0.29961391	0.05973352	0.01114336	0.0017875	0.0002223	1.96E-05	1.16E-06	4.43E-08	1.08E-09
61.625	0.00267343	0.00630826	0.00314256	0.00098005	0.00022131	3.533E-05	3.79E-06	2.61E-07	1.13E-08	3.02E-10
123.25	0	2.1858E-10	2.5497E-08	1.2342E-07	1.4583E-07	7.067E-08	1.68E-08	2.13E-09	1.48E-10	5.81E-12

SSTLs

t 1000 yrs

UST Permit # 02314 Naph  
Site Name: Maruti Kundal

SSTLs in mg/L		RBSLs (mg/L):				0.025	
MW #	x (ft)	y (ft)	z (ft)				Naphthalene SSTL
MW-1	485						>99999
MW-2R	479						>99999
MW-3	441						>99999
MW-4	487						>99999
MW-7	498						>99999
MW-8	524						>99999
MW-12	451						>99999
MW-13	542						>99999
MW-14	600						>99999
MW-15	459						>99999
MW-19	596						>99999
MW-20	561						>99999
MW-21	600						>99999
MW-23	646						>99999
MW-24	638						>99999
M2-25	667						>99999
MW-27	553						>99999
RW-1	498						>99999
RW-2	487						>99999
RW-3	460						>99999
			$\lambda$ (yr <sup>-1</sup> ):				0.149
			R:				2.852
			Pure Substance Solubility:				31
			Effective Solubility:				6.7

SSTLs

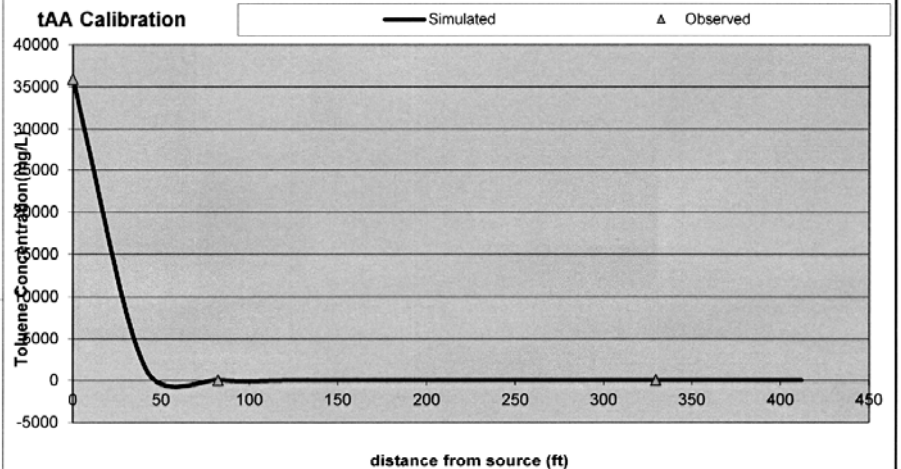
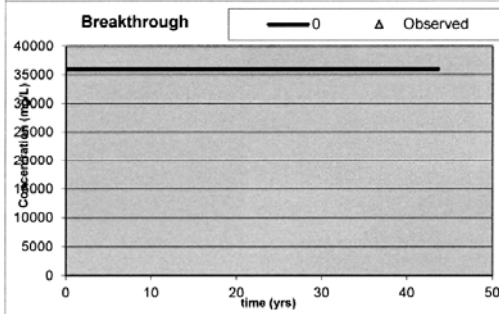
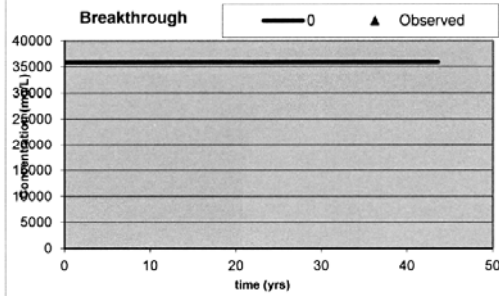
t 1000 yrs

UST Permit # 02314 Naph  
Site Name: Maruti Kundal

SSTLs in mg/L		RBSLs (mg/L):				0.025	
MW #	x (ft)	y (ft)	z (ft)				Naphthalene SSTL
RW-4	564						>99999
RW-5	570						>99999
				$\lambda$ (yr <sup>-1</sup> ):			0.149
				R:			2.852
				Pure Substance Solubility:			31
				Effective Solubility:			6.7

Domenico Model (Oxygenates)			Transport Parameters			Simulation Time			
UST # 02314 Site Name: Maruti Kundal Modeler: Amanda Feltz Date: 11.30.2020			$x_{max}$ <input type="text" value="412"/> ft $y_{max}$ <input type="text" value="123.25"/> ft $z$ <input type="text" value="0"/> ft Source Width <input type="text" value="60"/> ft Source Thickness <input type="text" value="30"/> ft			$t_{sim}$ <input type="text" value="43.6"/> yrs			
Groundwater Flow Parameters			Plume Length			Aquifer Characteristics			
$K$ <input type="text" value="70"/> ft/yr $dh/dx$ <input type="text" value="0.0017"/> $\theta$ <input type="text" value="0.25"/> dec. % $v_x$ <input type="text" value="0.476"/> ft/yr			<input type="text" value="322.5"/> ft $\alpha_x$ <input type="text" value="14.38075"/> ft $\alpha_y$ <input type="text" value="1.438075"/> ft $\alpha_z$ <input type="text" value="1.00E-99"/> ft			$\rho_d$ <input type="text" value="1.5"/> kg/L $f_{oc}$ <input type="text" value="0.0002"/>			
Source Area CoC Data			Retarded Velocity (ft/yr)			Simulation Points for Breakthrough Curves			
CoC	$C_{source}$ (mg/L)	$K_{oc}$ (L/kg)	CoC	R	$v_R$	$x$ <input type="text"/>	ft	$x$ <input type="text"/>	ft
tBA		1	tBA	1.001	0.48	$y$ <input type="text"/>	ft	$y$ <input type="text"/>	ft
tAA	35900	1	tAA	1.001	0.48	$z$ <input type="text"/>	ft	$z$ <input type="text"/>	ft
DIPE	2670	1.5	DIPE	1.002	0.48				
tAME		1.5	tAME	1.002	0.48				
EtBE		1.5	EtBE	1.002	0.48				
Ethanol	296000	0.5	Ethanol	1.001	0.48				
$C(x, y, z, t) = \left(\frac{C_0}{8}\right) \exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1 - \sqrt{1 + \frac{4\lambda\alpha_x}{v}}\right)\right] \operatorname{erfc}\left[\frac{x - vt\sqrt{1 + \frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right] \left\{ \operatorname{erf}\left[\frac{y + \frac{Y}{2}}{2\sqrt{\alpha_y x}}\right] - \operatorname{erf}\left[\frac{y - \frac{Y}{2}}{2\sqrt{\alpha_y x}}\right] \right\} \left\{ \operatorname{erf}\left[\frac{z + Z}{2\sqrt{\alpha_z x}}\right] - \operatorname{erf}\left[\frac{z - Z}{2\sqrt{\alpha_z x}}\right] \right\}$									

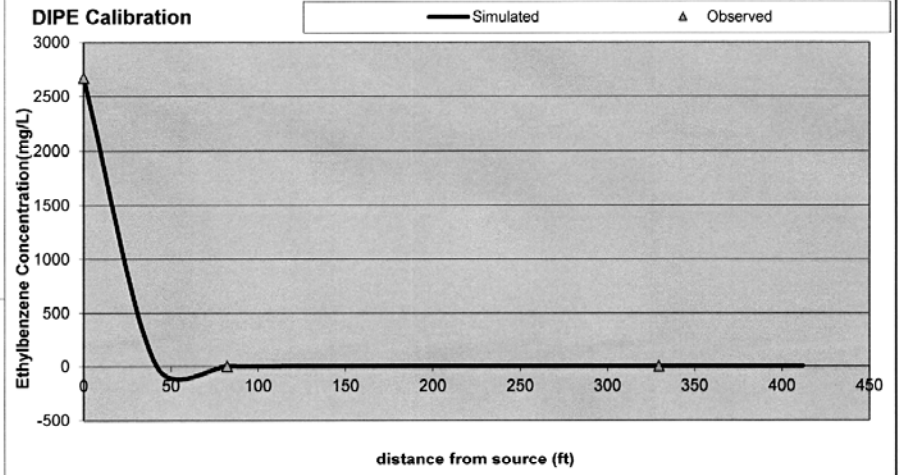
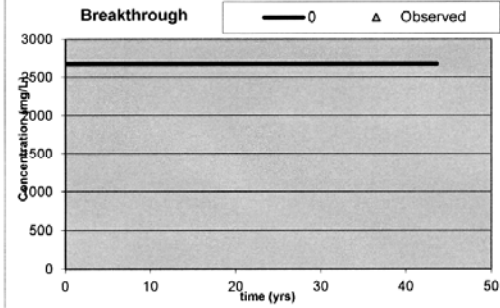
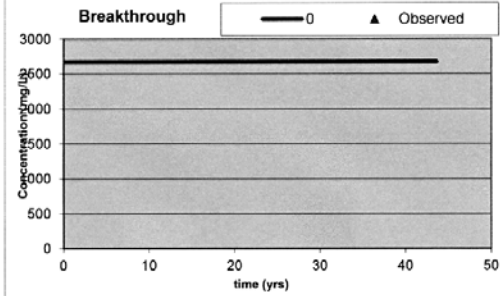
TAA Calibration											
Spatial Calibration Data			Temporal Calibration Data					Site ID 02314			
(centerline)			0					Site Name Maruti Kundal			
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Model Calibration Parameters			
0	35900	35900	0		35900		35900	t <sub>1/2</sub>	9.529 yrs	λ	0.07273 yr <sup>-1</sup>
41.2		1407.318	4.36		35900.000		35900.000	v <sub>x</sub>	0.476 ft/yr		
82.4	18	18.015	8.72		35900.000		35900.000	R	1.001		
123.6		0.027	13.08		35900.000		35900.000	v <sub>R</sub>	0.475 ft/yr	C <sub>source</sub>	35900 mg/L
164.8		0.000	17.44		35900.000		35900.000	L <sub>p</sub>	322.5 ft	t <sub>sim</sub>	43.6 yrs
206		0.000	21.8		35900.000		35900.000	α <sub>x</sub>	14.38075 ft		
247.2		0.000	26.16		35900.000		35900.000	α <sub>y</sub>	1.438075 ft		
288.4		0.000	30.52		35900.000		35900.000	α <sub>z</sub>	1E-99 ft		
329.6	4.5	0.000	34.88		35900.000		35900.000				
370.8		0.000	39.24		35900.000		35900.000				
412		0.000	43.6		35900.000		35900.000				



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	1.3142E-08	1.1649E-08	3.5356E-11	2.0307E-15	3.878E-21	0	0	0	0
61.625	2.5977554	0.37928905	0.00143578	2.8074E-07	3.0818E-12	1.938E-18	0	0	0	0
0	1407.31812	18.0145194	0.02729126	3.1921E-06	2.4891E-11	1.22E-17	0	0	0	0
61.625	2.5977554	0.37928905	0.00143578	2.8074E-07	3.0818E-12	1.938E-18	0	0	0	0
123.25	0	1.3142E-08	1.1649E-08	3.5356E-11	2.0307E-15	3.878E-21	0	0	0	0

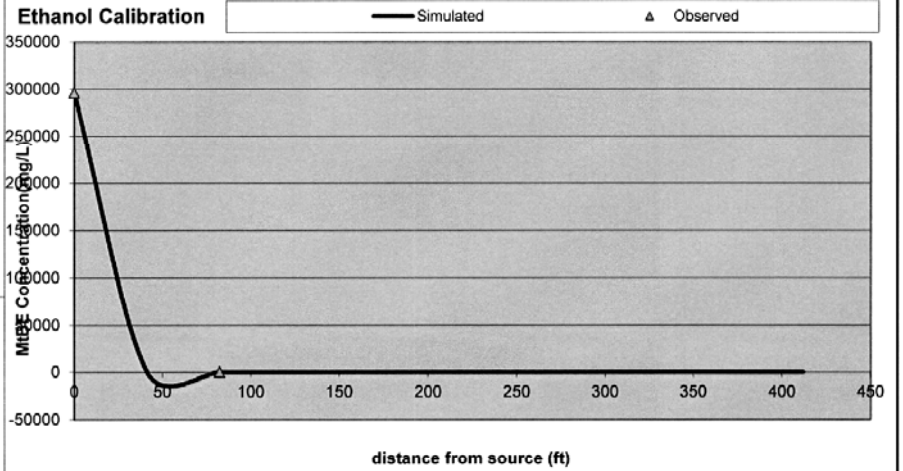
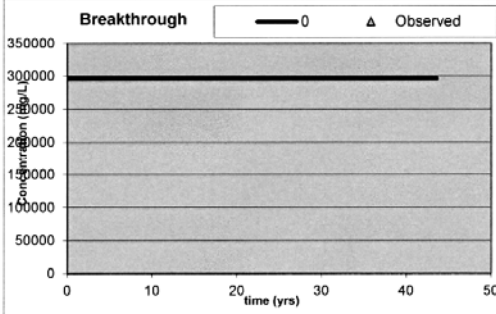
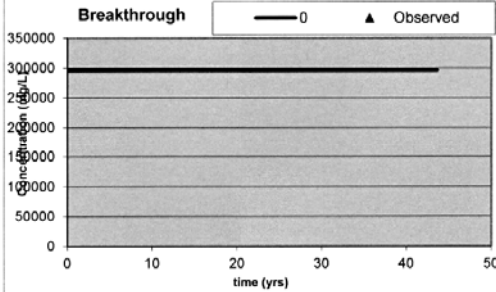
**DIPE Calibration**

Spatial Calibration Data			Temporal Calibration Data				Site ID 02314				
(centerline)			0				Site Name Maruti Kundal				
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Model Calibration Parameters			
0	2670	2670	0		2670		2670	$t_{1/2}$	4.26 yrs	$\lambda$	0.16268 yr <sup>-1</sup>
41.2		16.200	4.36		2670.000		2670.000	$v_x$	0.476 ft/yr	$C_{source}$	2670 mg/L
82.4	0.068	0.067	8.72		2670.000		2670.000	R	1.002	$t_{sim}$	43.6 yrs
123.6		0.000	13.08		2670.000		2670.000	$v_R$	0.475 ft/yr		
164.8		0.000	17.44		2670.000		2670.000	$L_p$	322.5 ft		
206		0.000	21.8		2670.000		2670.000	$\alpha_x$	14.38075 ft		
247.2		0.000	26.16		2670.000		2670.000	$\alpha_y$	1.438075 ft		
288.4		0.000	30.52		2670.000		2670.000	$\alpha_z$	1E-99 ft		
329.6	0.016	0.000	34.88		2670.000		2670.000				
370.8		0.000	39.24		2670.000		2670.000				
412		0.000	43.6		2670.000		2670.000				



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	4.8668E-11	2.7574E-11	6.9656E-14	3.6415E-18	6.559E-24	5E-31	0	0	0
61.625	0.02990276	0.00140455	3.3985E-06	5.5311E-10	5.5261E-15	3.278E-21	1.12E-28	0	0	0
0	16.1996373	0.0667098	6.4599E-05	6.289E-09	4.4634E-14	2.063E-20	5.83E-28	0	0	0
61.625	0.02990276	0.00140455	3.3985E-06	5.5311E-10	5.5261E-15	3.278E-21	1.12E-28	0	0	0
123.25	0	4.8668E-11	2.7574E-11	6.9656E-14	3.6415E-18	6.559E-24	5E-31	0	0	0

Ethanol Calibration								
Spatial Calibration Data			Temporal Calibration Data					Site ID
(centerline)			0					02314
x	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	t (yrs)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	C <sub>obs</sub> (mg/L)	C <sub>sim</sub> (mg/L)	Site Name
0	296000	296000	0		296000		296000	Maruti Kundal
41.2		253.901	4.36		#####		#####	<b>Model Calibration Parameters</b> t <sub>1/2</sub> 2.457 yrs      λ 0.28205 yr <sup>-1</sup> v <sub>x</sub> 0.476 ft/yr R 1.001 v <sub>R</sub> 0.476 ft/yr      C <sub>source</sub> 296000 mg/L L <sub>p</sub> 322.5 ft α <sub>x</sub> 14.38075 ft      t <sub>sim</sub> 43.6 yrs α <sub>y</sub> 1.438075 ft α <sub>z</sub> 1E-99 ft
82.4	0.2	0.199	8.72		#####		#####	
123.6		0.000	13.08		#####		#####	
164.8		0.000	17.44		#####		#####	
206		0.000	21.8		#####		#####	
247.2		0.000	26.16		#####		#####	
288.4		0.000	30.52		#####		#####	
329.6		0.000	34.88		#####		#####	
370.8		0.000	39.24		#####		#####	
412		0.000	43.6		#####		#####	



Source	41.2	82.4	123.6	164.8	206	247.2	288.4	329.6	370.8	412
123.25	0	1.4521E-10	3.5259E-11	6.5236E-14	3.0196E-18	5.165E-24	3.92E-31	0	0	0
61.625	0.46867268	0.00419067	4.3458E-06	5.1801E-10	4.5824E-15	2.582E-21	8.81E-29	0	0	0
0	253.900563	0.19903802	8.2605E-05	5.8899E-09	3.7012E-14	1.625E-20	4.57E-28	0	0	0
61.625	0.46867268	0.00419067	4.3458E-06	5.1801E-10	4.5824E-15	2.582E-21	8.81E-29	0	0	0
123.25	0	1.4521E-10	3.5259E-11	6.5236E-14	3.0196E-18	5.165E-24	3.92E-31	0	0	0



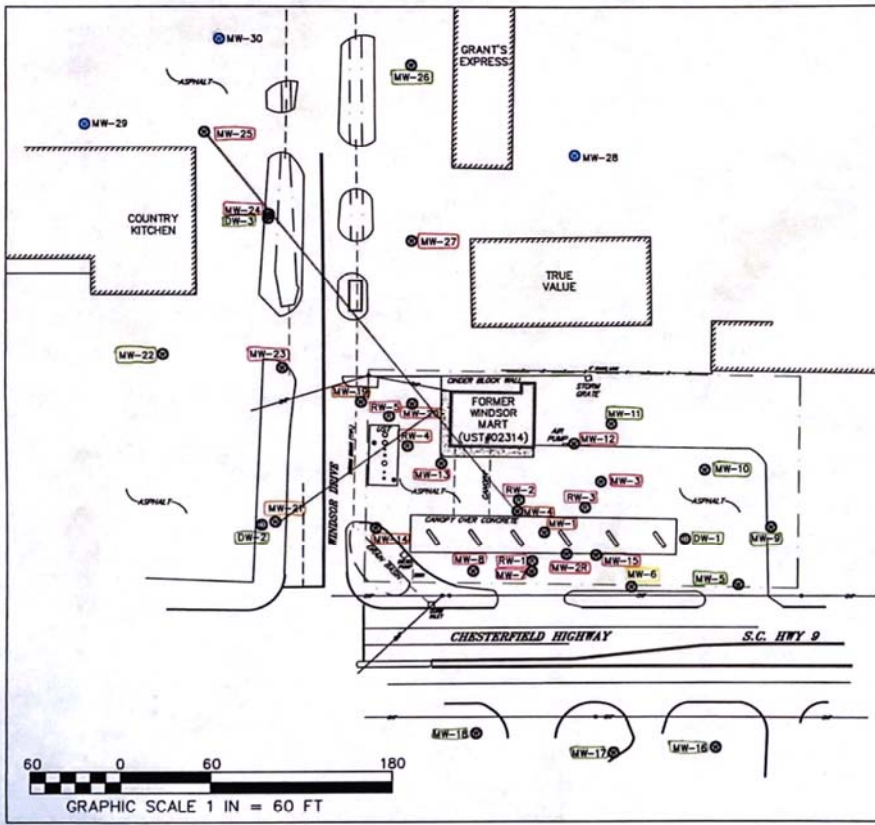
SSTLs

t 1000 yrs

UST Permit # 02314  
Site Name: Maruti Kundal

SSTLs in mg/L		RBSLs (mg/L):			0.240	0.150	10.000		
MW #	x (ft)	y (ft)	z (ft)		tAA SSTL	DIPE SSTL		Ethanol SSTL	
MW-1	485				>99999	>99999		>99999	
MW-2R	479				>99999	>99999		>99999	
MW-3	441				>99999	>99999		>99999	
MW-4	487				>99999	>99999		>99999	
MW-7	498				>99999	>99999		>99999	
MW-8	524				>99999	>99999		>99999	
MW-12	451				>99999	>99999		>99999	
MW-13	542				>99999	>99999		>99999	
MW-14	600				>99999	>99999		>99999	
MW-15	459				>99999	>99999		>99999	
MW-19	596				>99999	>99999		>99999	
MW-20	561				>99999	>99999		>99999	
MW-21	600				>99999	>99999		>99999	
MW-23	656				>99999	>99999		>99999	
MW-24	638				>99999	>99999		>99999	
MW-25	667				>99999	>99999		>99999	
MW-27	553				>99999	>99999		>99999	
RW-1	498				>99999	>99999		>99999	
RW-2	487				>99999	>99999		>99999	
RW-3	460				>99999	>99999		>99999	
RW-4	564				>99999	>99999		>99999	
RW-5	570				>99999	>99999		>99999	

			$\lambda$ (yr <sup>-1</sup> ):		0.073	0.163		0.282	
			R:		1.001	1.002		1.001	



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- ||||| BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)

MW-# NEWLY INSTALLED MONITORING WELL

FP  
 above RBSL  
 below RBSL  
 Clean

Source well MW-4  
 MW-20: 82.5ft  
 MW-25: 122.5ft

receptor: 2 creeks  
 - used google maps



**FIGURE 2  
 SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
 820 Chesterfield Highway  
 Cheraw, South Carolina

TERRY PROJECT #	2171.9M	SCDHEC SITE ID #	02314
SCALE	1" = 60'	DATE	November 2020



JUN 23 2022



JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> STREET  
HARTSVILLE SC 29550

Re: **Aggressive Fluid and Vapor Recovery Notice to Proceed**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy., Cheraw, SC  
UST Permit #02314; CA #65613  
Release reported December 6, 1991  
Assessment Report received November 23, 2020  
Chesterfield County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the above referenced report which documents free-phase product (FPP) or Chemicals of Concern (CoC) in the subsurface as a result of the above referenced release.

In accordance with Section 280.64 of the South Carolina Underground Storage Tank Control Regulations R.61-92, an Aggressive Fluid and Vapor Recovery (AFVR) event may proceed immediately upon receipt of this letter. One 96-hour event utilizing monitoring wells MW-1, MW-4 and RW-2 should be performed. The target stinger depth is 18 feet in MW-1 and MW-4, and 21 feet in RW-2. Off-gas treatment will be necessary. All work should be conducted as outlined in this directive and in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP). For the most updated AFVR procedures, refer to Section B1.IV.g of the QAPP. **Any variance from the QAPP procedures will be approved on a site specific basis and should be submitted to the UST Division in writing.**

**The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.**

**The AFVR Report should be submitted within 90 days from the date of this correspondence.** Please note that all applicable South Carolina certification requirements apply to the services and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

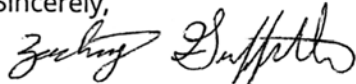
Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately \$452,438.97 has been expended from the SUPERB Account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$27,189.55.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval is obtained from the UST Division. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by DHEC for the cost to be paid. DHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, DHEC reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

DHEC grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. The transport and disposal must be conducted in accordance with the QAPP. If CoC concentrations, based on laboratory analysis, are below Risk Based Screening Levels, please contact the Project Manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence concerning this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0606, by fax at (803) 898-0673, or by email at [griffiza@dhec.sc.gov](mailto:griffiza@dhec.sc.gov).

Sincerely,



Zachary Griffith, Hydrogeologist  
Corrective Action & Field Support Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services, Inc., PO Box 25, Summerville, SC 29484 (w/ enc)  
Technical file (w/ enc)

**Approved Cost Agreement****65613**

Facility: 02314 MARUTI KUNDAL DBA COUNTRY CUPBOARD 7

USTVAC1

PO Number: 93000

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
S REPORT PROJECT MANAGEMENT		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$24,276.380	2,913.17
W AFVR		14 AFVR SITE RECONNAISSANCE	1.0000	\$216.870	216.87
		16 AFVR EFFLUENT DISPOSAL	20,000.0000	\$0.470	9,400.00
		17 AFVR MOB - DEMOB	1.0000	\$417.730	417.73
		4 96 HOUR EVENT	1.0000	\$13,409.520	13,409.52
		8 OFF GAS TREATMENT 96 HOUR	1.0000	\$832.260	832.26
		<b>Total Amount</b>			<b>27,189.55</b>



JUN 24 2022



JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Site-Specific Work Plan Request for Groundwater Sampling**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy., Cheraw, SC  
UST Permit #02314  
Release reported December 6, 1991  
Groundwater Monitoring Report received July 31, 2020  
Chesterfield County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels.

To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at [scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance](http://scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance).

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. All wells should be purged prior to sampling.

**Your contractor must complete the SSWP and submit it within 30 days from the date of this letter.** Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2889, by fax at (803) 898-0673, or by email at thomasma@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink that reads "Morgan Thomas". The signature is written in a cursive, flowing style.

Morgan Thomas, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

cc: Terry Environmental Services Inc., PO Box 25, Summerville, SC 29484  
Technical file



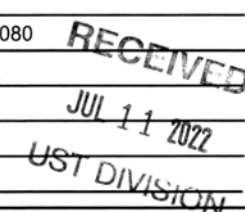


Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division



To: Morgan Thomas (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number: UCC-0223

Facility Name: Maruti Kundal (Former Windsor Mart) UST Permit #: 02314
Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520
Responsible Party: Jackson Oil Company, Inc. Phone: 843-537-7080
RP Address: 755 South 4th Street, Hartsville, SC 29550
Property Owner (if different): n/a
Property Owner Address: n/a
Current Use of Property: Gas Station and Convenience Store (Corner Cupboard)



Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, GAC, Other

Analyses (Please check all that apply)

- Groundwater/Surface Water: BTEXNMDCA, Oxygenates, EDB, PAH, Lead, 8 RCRA Metals, TPH, pH, BOD, Nitrate, Sulfate, Other, Methane, Ethanol, Dissolved Iron
Drinking Water Supply Wells: BTEXNMDCA, Oxygenates & Ethanol, Mercury, RCRA Metals, EDB
Soil: BTEXNM, PAH, Lead, RCRA Metals, Oil & Grease, TPH-DRO, TPH-GRO, Grain Size, TOC
Air: BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

Soil: 1, Water Supply Wells: 3, Air: 3, Field Blank: 3
Monitoring Wells: 38, Surface Water: 2, Duplicate: 3, Trip Blank: 3

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage: -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: -- Estimated Footage: -- feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: --

UST Permit #: 02314 Facility Name: Maruti Kundal (Former Windsor Mart)

**Implementation Schedule** (Number of calendar days from approval)  
Field Work Start-Up: 14-30 days Field Work Completion: 30-45 days  
Report Submittal: 60 days # of Copies Provided to Property Owners: n/a

**Aquifer Characterization**  
Pump Test:  Slug Test:  (Check one and provide explanation below for choice)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Investigation Derived Waste Disposal**  
Soil: -- \_\_\_\_\_ Tons Purge Water: 330 \_\_\_\_\_ Gallons  
Drilling Fluids: -- \_\_\_\_\_ Gallons Free-Phase Product: -- \_\_\_\_\_ Gallons

**Additional Details For This Scope of Work**  
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.  
Conduct a comprehensive groundwater sampling event; shallow monitoring wells MW-1, MW-2R, MW-3 through MW-30, recovery wells RW-1 through RW-5, deep wells DW-1 through DW-3, and water supply well (WSW-1) will be sampled. The two drainage features (SW-1 and SW-2) approximately 800 to 1,000 feet to the east and west of the subject site will also be sampled. The monitoring wells were last sampled in June-July 2020 and will be purged prior to sampling per SCDHEC request.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Compliance With Annual Contractor Quality Assurance Plan (ACQAP)**  
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.  
Name of Laboratory: \_\_\_\_\_  
SCDHEC Certification Number: \_\_\_\_\_  
Name of Laboratory Director: \_\_\_\_\_  
  
\_\_\_\_ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.  
Name of Well Driller: \_\_\_\_\_  
SCLLR Certification Number: \_\_\_\_\_  
  
\_\_\_\_ Other variations from ACQAP. Please describe below.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attachments**

1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:  
North Arrow Proposed monitoring well locations  
Location of property lines Legend with facility name and address, UST permit number, and bar scale  
Location of buildings Streets or highways (indicate names and numbers)  
Previous soil sampling locations Location of all present and former ASTs and USTs  
Previous monitoring well locations Location of all potential receptors  
Proposed soil boring locations
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



**ASSESSMENT COMPONENT INVOICE**

South Carolina  
 Department of Health and Environmental Control  
 Underground Storage Tank Management Division  
 State Underground Petroleum Environmental Response Bank Account  
 July 1, 2022

**Facility Name:** Maruti Kundal (Former Windsor Mart)

**UST Permit #:** 02314

**Cost Agreement #:**

**Proposal**

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>A. Plan Preparation</b>				
1.1 Site-specific Work Plan	1	each	\$169.65	\$169.65
2.1 Tax Map		each	\$79.17	\$0.00
3.1 QAPP Contractor Addendum (App B)		each	\$250.00	\$0.00
<b>B. Survey *</b>				
1. Receptor Survey		each	\$623.20	\$0.00
<b>C. Survey</b>				
1.1 Comprehensive Survey		each	\$1,176.26	\$0.00
5. Ground Penetrating Radar Survey (100 x 100)		each	\$1,029.23	\$0.00
<b>D. Mob/Demob</b>				
1.1 Equipment		each	\$1,153.64	\$0.00
2.1 Personnel (Jx2, Q)	3	each	\$478.42	\$1,435.26
3.1 Adverse Terrain Vehicle		each	\$565.51	\$0.00
<b>E. Soil Borings*</b>				
1. Soil Borings (hand auger)		foot	\$5.66	\$0.00
<b>F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*</b>				
1.1 Standard		per foot	\$16.97	\$0.00
2.1 Fractured Rock		per foot	\$21.84	\$0.00
<b>G.</b>				
<b>H. Well Abandonment (does not include Field Screening)*</b>				
1.1 2" diameter or less		per foot	\$3.51	\$0.00
2.1 Greater than 2" to 6" diameter		per foot	\$5.09	\$0.00
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	\$16.96	\$0.00
<b>I. Well Installation (In accordance with R.61-71)*</b>				
1.1 Water Table (hand augered)		per foot	\$11.99	\$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	\$42.98	\$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	\$43.46	\$0.00
3.1 Telescoping		per foot	\$56.55	\$0.00
4.1 Rock Drilling		per foot	\$65.60	\$0.00
5.1 2" Rock Coring		per foot	\$34.95	\$0.00
6.1 Multi-sampling ports/screens		per foot	\$37.78	\$0.00
7.1 Recovery Well (4" diameter)		per foot	\$50.90	\$0.00
9.1 Rotasonic (2" diameter)		per foot	\$49.77	\$0.00
10.1 Re-develop Existing Well		per foot	\$12.44	\$0.00
<b>J. Groundwater Sample Collection / Gauging Depth to Water/Product *</b>				
1.1 Groundwater Purge	38	per well	\$67.86	\$2,578.68
2.1 Air or Vapors		sample	\$13.57	\$0.00
3.1 Water Supply Sample	1	sample	\$24.88	\$24.88

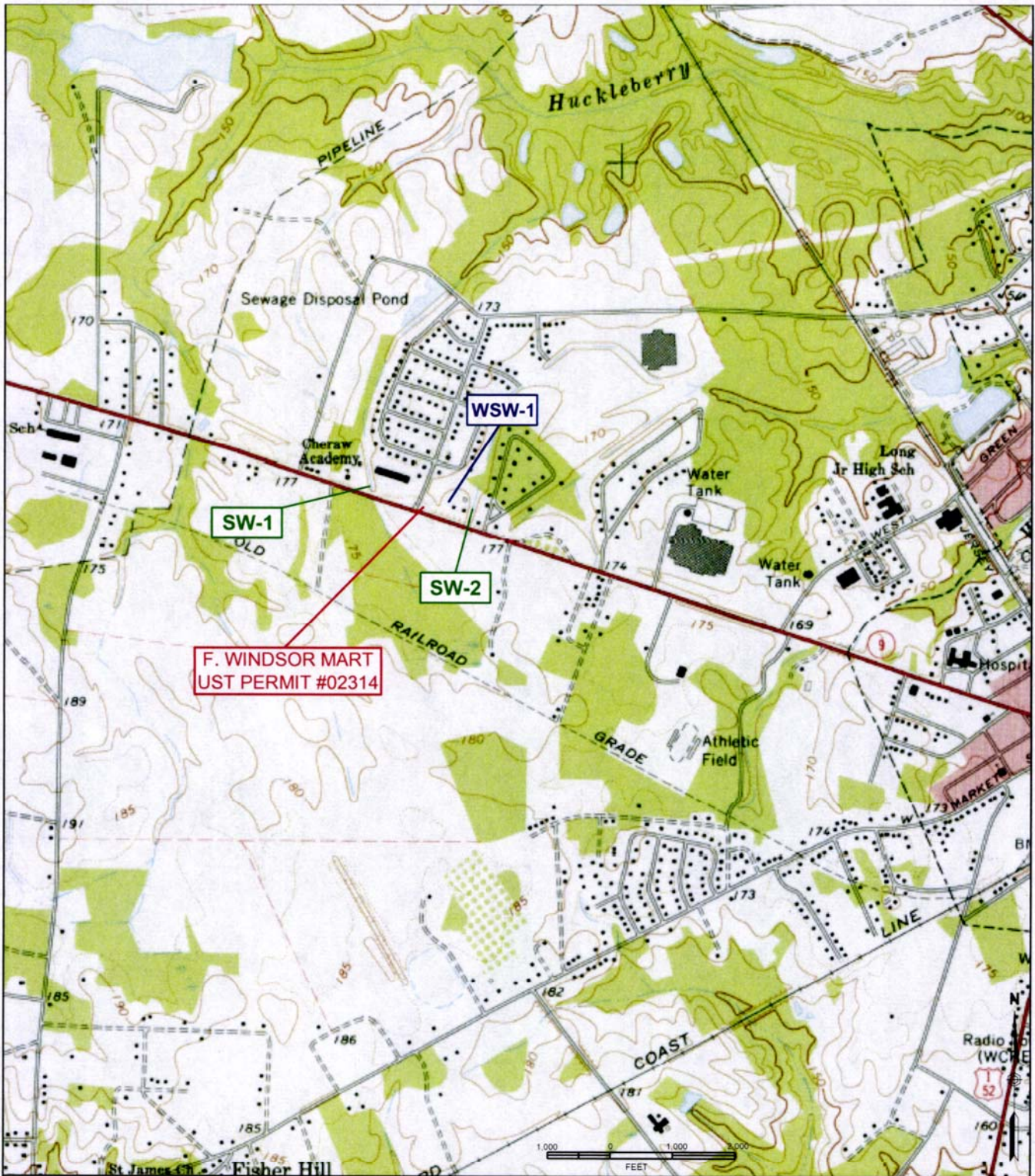
4.1 HydraSleeve		sample	\$53.00	\$0.00
4.2A No-purge GW Sample/Surface water (2)		sample	\$31.67	\$0.00
5.1 Gauge Well only		sample	\$7.92	\$0.00
6.1 Sample Below Product		sample	\$13.57	\$0.00
7.1 Passive Diffusion Bag		sample	\$29.40	\$0.00
8.1 Field Dups (MWs & WSWs) and Field Blanks	6	sample	\$27.83	\$166.98
9.1 Groundwater (low flow purge)		sample	\$102.93	\$0.00
10.1 Equipment Blank		sample	\$27.83	\$0.00
11. Sample Product		per well	\$48.76	\$0.00
<b>K. Laboratory Analyses-Groundwater</b>				
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	46	per sample	\$137.98	\$6,347.08
2.1 Lead, Filtered		per sample	\$15.60	\$0.00
3.1 Rush EPA Method 8260B		per sample	\$173.72	\$0.00
4.1 Trimethyl, Butyl, and Isopropyl Benzenes		per sample	\$31.67	\$0.00
5.1 PAH's		per sample	\$68.54	\$0.00
6.1 Lead		per sample	\$18.09	\$0.00
7.1 EDB by EPA 8011	42	per sample	\$51.12	\$2,147.04
8.1 EDB by EPA Method 8011 Rush		per sample	\$77.14	\$0.00
9.1 8 RCRA Metals		per sample	\$71.71	\$0.00
10.1 TPH (9070)		per sample	\$46.38	\$0.00
11.1 PH		per sample	\$5.88	\$0.00
12.1 BOD		per sample	\$22.62	\$0.00
13.1 Ethanol		per sample	\$16.74	\$0.00
<b>K. Analyses-Drinking Water</b>				
14.1 BTEXNM+1,2 DCA (524.2)	4	per sample	\$140.30	\$561.20
15.1 7-OXYGENATES & ETHANOL (8260D)	4	per sample	\$103.77	\$415.08
16.1 EDB (504.1)	3	per sample	\$89.92	\$269.76
17.1 RCRA METALS (200.8)		per sample	\$113.10	\$0.00
<b>K. Analyses-Soil</b>				
18.1 BTEX + Naphth.		per sample	\$72.39	\$0.00
19.1 PAH's		per sample	\$72.43	\$0.00
20.1 8 RCRA Metals		per sample	\$63.79	\$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	\$45.24	\$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	\$40.67	\$0.00
23.1 Grain size/hydrometer		per sample	\$117.63	\$0.00
24.1 Total Organic Carbon		per sample	\$34.61	\$0.00
<b>K. Analyses-Air</b>				
25.1 BTEX + Naphthalene		per sample	\$244.30	\$0.00
<b>K. Hydrocarbon Fuel Identification</b>				
27. C3-C44 Whole Oil (ASTM D3328)		per sample	\$431.42	\$0.00
28. Fuel Oxygenates (1624 Mod)		per sample	\$368.88	\$0.00
29. ALKYL Leads, EDB MMT (8080)		per sample	\$368.88	\$0.00
30. C8-C40 Full Scan (ASTM 5739)		per sample	\$583.00	\$0.00
31. Simulated Distillation (ASTM 2887)		per sample	\$368.88	\$0.00
32. Parent & Alk. PAH Com. (8270 SIM)		per sample	\$670.03	\$0.00
33. C3-C10 Piano (8260 MOD)		per sample	\$555.44	\$0.00
34. C10+Alkane Fingerprints		per sample	\$555.44	\$0.00
35. Expert Data Interpretation & Report		each	\$551.20	\$0.00

<b>L. Aquifer Characterization*</b>					
1.1 Pumping Test		per hour	\$26.01		\$0.00
2.1 Slug Test		per test	\$216.03		\$0.00
3.1 Fractured Rock		per test	\$113.10		\$0.00
<b>M. Free Product *</b>					
1. Free Product Recovery Rate Test		each	\$42.98		\$0.00
<b>N.</b>					
<b>O. Risk Evaluation</b>					
1.1 Tier I Risk Evaluation		each	\$339.31		\$0.00
2.1 Tier II Risk Evaluation		each	\$113.10		\$0.00
<b>P. Survey*</b>					
1. Subsequent Survey		each	\$275.60		\$0.00
<b>Q. Disposal (gallons or tons)*</b>					
1.1 Wastewater	330	gallon	\$0.64		\$211.20
2.1 Free Product		gallon	\$0.56		\$0.00
3.1 Soil Treatment/Disposal		ton	\$67.86		\$0.00
4.1 Drilling fluids		gallon	\$0.48		\$0.00
<b>R. Miscellaneous (attach receipts)</b>					
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
<b>T. Tier I Assessment (Use DHEC 3665 form)</b>					
1.1 Southeast Region		standard	\$11,687.56		\$0.00
2.1 All Other Counties		standard	\$12,818.58		\$0.00
<b>U. IGWA (Use DHEC 3666 form)</b>					
1.1 Southeast Region		standard	\$4,031.18		\$0.00
2.1 All Other Counties		standard	\$4,370.38		\$0.00
<b>22. Active Correction Action</b>					
		PPF	Bid Cost		\$0.00
<b>W. Aggressive Fluid &amp; Vapor Recovery (AFVR)</b>					
1.1 8-hour Event*		per event	\$1,655.00		\$0.00
2. 24-hour Event*		per event	\$4,081.28		\$0.00
3. 48-hour Event*		per event	\$6,706.10		\$0.00
4. 96-hour Event*		per event	\$13,409.52		\$0.00
5. Off-gas Treatment 8 hour		per event	\$130.71		\$0.00
6.1 Off-gas Treatment 24 hour		per event	\$272.50		\$0.00
7.1 Off-gas Treatment 48 hour		per event	\$357.50		\$0.00
8. Off-gas Treatment 96 hour		per event	\$832.26		\$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	\$430.00		\$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	\$500.00		\$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	\$1,000.00		\$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	\$2,000.00		\$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	\$0.59		\$0.00
14.1 AFVR Site Reconnaissance		each	\$280.00		\$0.00
15. Additional Hook-ups		each	\$27.48		\$0.00
16.1 AFVR Effluent Disposal		gallon	\$0.49		\$0.00
17.1 AFVR Mobilization/Demobilization		each	\$720.00		\$0.00
18. Mobilization for absorbents/skimmers		each	\$531.25		\$0.00
19. Well sock 2" ID well		each	\$34.20		\$0.00

20. Well sock 4" ID well		each	\$45.40	\$0.00
21. pad (per pad)		each	\$46.25	\$0.00
22. 3" diameter x 10' length boom		each	\$100.00	\$0.00
23. 5" diameter x 10' length boom		each	\$123.00	\$0.00
24. New FPP recovery skimmer (2" wells)		each	\$732.50	\$0.00
25. New FPP recovery skimmer (4" wells)		each	\$1,155.00	\$0.00
26. Refurbished FPP recovery skimmer (2" or 4" wells)		each	\$704.00	\$0.00
27. Disposal of Absorbents		pound	\$3.80	\$0.00
28. Disposal of product from skimmers		gallon	\$0.46	\$0.00
<b>X. Granulated Activated Carbon (GAC) filter system installation &amp; service:</b>				
1.1 New GAC System Installation*		each	\$2,148.94	\$0.00
2.1 Refurbished GAC Sys. Install*		each	\$1,017.92	\$0.00
3.1 Filter replacement/removal*		each	\$395.86	\$0.00
4.1 GAC System removal, cleaning, & refurbishment*		each	\$311.04	\$0.00
5.1 GAC System housing*		each	\$282.76	\$0.00
6.1 In-line particulate filter		each	\$169.65	\$0.00
7.1 Additional piping & fittings		foot	\$1.70	\$0.00
<b>Y. Well Repair</b>				
1.1 Additional Copies of the Report Delivered		each	\$56.55	\$0.00
2.1 Repair 2x2 MW pad*		each	\$56.55	\$0.00
3.1 Repair 4x4 MW pad*		each	\$99.53	\$0.00
4.1 Replace well vault*		each	\$133.46	\$0.00
5.1 Replace well cover bolts		each	\$2.94	\$0.00
6.1 Replace locking well cap & lock		each	\$16.96	\$0.00
7.1 Replace/Repair stick-up*		each	\$151.56	\$0.00
8.1 Convert Flush-mount to Stick-up*		each	\$169.65	\$0.00
9.1 Convert Stick-up to Flush-mount*		each	\$147.03	\$0.00
10.1 Replace missing/illegible well ID plate		each	\$13.57	\$0.00
11. Down-hole Camera		per foot	\$27.08	\$0.00
<b>Z. High Resolution Site Characterization</b>				
1. HRSC Screening Equipment Mobilization		each	\$1,360.00	\$0.00
2. HRSC Drilling Category 1		per foot	\$29.00	\$0.00
3. HRSC Drilling Category 2		per foot	\$33.50	\$0.00
4. HRSC Drilling Category 3		per foot	\$27.00	\$0.00
5. HRSC 3-D Model		each	\$4,040.00	\$0.00
<b>S. Report Prep &amp; Project Management</b>	12%	percent	\$14,326.81	\$1,719.22
<b>TOTAL</b>				\$16,046.03

DHEC D-4293 (06/2022) \*The appropriate mobilization cost can be added to complete these tasks, as necessary





**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own.

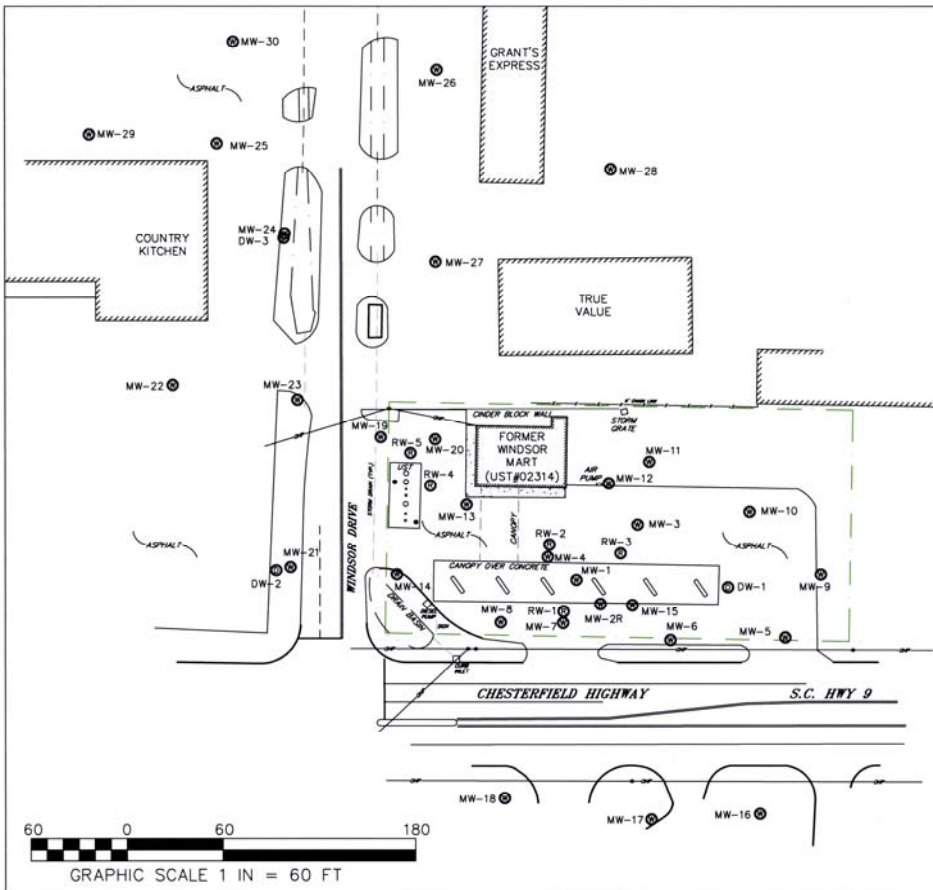
PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax (843)-873-8765

SIZE B	TERRY Project No. 2171.9N	DWG NO. Figure 1 Topo Map	REV
-----------	------------------------------	------------------------------	-----

SCALE: As Shown

DATE: June 2022





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- ▭ BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9N	02314
SCALE 1" = 60'	DATE June 2022





AUG 24 2022



JACKSON OIL CO INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy., Cheraw, SC  
UST Permit #02314; CA #65961  
Release #1 reported December 6, 1991  
Site Specific Work Plan received July 11, 2022  
Chesterfield County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at [scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance](http://scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance).

Please note the following changes to the cost agreement and SSWP:

- Line items have been updated to reflect the January 2020 cost agreement as the work plan was requested prior to July 1, 2022.

**The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.**

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately \$452,438.97 has been expended from the SUPERB Account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$15,256.82.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2889, by fax at (803) 898-0673, or by email at thomasma@dhec.sc.gov.

Sincerely,



Morgan Thomas, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services Inc., PO Box 25, Summerville, SC 29484 (w/ enc)  
Technical file (w/ enc)

# Approved Cost Agreement 65961

Facility: 02314 MARUTI KUNDAL DBA COUNTRY CUPBOARD 7

USTVAC1

PO Number: 93775

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1 SITE SPECIFIC WORK PLAN	1.0000	\$160.050	160.05
D MOB/DEMOB					
		2 PERSONNEL	3.0000	\$451.340	1,354.02
J SAMPLE COLLECTION					
		1 GROUND WATER PURGE	38.0000	\$64.020	2,432.76
		3 WATER SUPPLY SAMPLE/ DUPLICATE	1.0000	\$23.470	23.47
		4 GROUNDWATER NO-PURGE/DUPL/GRAB	3.0000	\$29.880	89.64
		8 FIELD BLANK	3.0000	\$26.250	78.75
K ANALYSES					
DW DRINKING WATER		14 BTEXNM+1,2 DCA (524.2) WSW	4.0000	\$132.360	529.44
		15 OXYGENATES & ETHANOL 8260B WSW	4.0000	\$97.900	391.60
		16 EDB (504.1) WSW	3.0000	\$84.830	254.49
GW GROUNDWATER		1 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	46.0000	\$130.170	5,987.82
		7 EDB BY EPA 8011	44.0000	\$48.230	2,122.12
Q DISPOSAL					
		1 WASTEWATER	330.0000	\$0.600	198.00
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$13,622.160	1,634.66
<b>Total Amount</b>					<b>15,256.82</b>

## CD's Information

Date Received: 11/14/22

Permit Number: 02314

Project Manager: Jake Niles

Contractor: TES

Description: GWM rpt

Docket Number: 67T Initials: \_\_\_\_\_

Scanned by: \_\_\_\_\_

Verified by: \_\_\_\_\_

**GROUNDWATER MONITORING REPORT  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
CA #65961**

Prepared For:

**SCDHEC UNDERGROUND STORAGE TANK PROGRAM  
2600 BULL ST.  
COLUMBIA, SC 29201**

Submitted By:



P.O. BOX 25  
SUMMERVILLE, SOUTH CAROLINA 29484  
(843) 873-8200  
Fax (843) 225-3472  
[www.terryenvironmental.com](http://www.terryenvironmental.com)

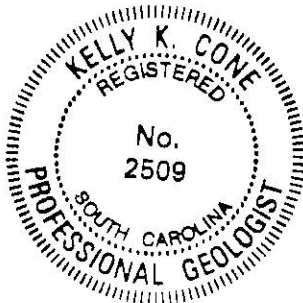
UST CONTRACTOR #UCC-0223  
TERRY PROJECT #2171.9N

Handwritten signature of Kelly K. Cone in blue ink.

Kelly K. Cone, PG  
Vice President

Handwritten signature of Jason A. Terry in blue ink.

Jason A. Terry, PG  
President



NOVEMBER 2022



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**A. INTRODUCTION**
**1. UST Facility and Owner/Operator Information**

Facility Name (Permit #): Maruti Kundal (Former Windsor Mart) (02314)  
 Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520  
 Facility Telephone: 843-537-9096  
  
 Owner/ Operator Name: Jackson Oil Company (Contact: Charles Jackson)  
 Owner/ Operator Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Owner/ Operator Telephone: 843-537-7080

**2. Property Owner Information**

Name: Jackson Oil Company (Contact: Charles Jackson)  
 Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Telephone: 843-537-7080

**3. Contractor Information**

Name: Terry Environmental Services, Inc.  
 Address: P.O. Box 25, Summerville, South Carolina 29484  
 Telephone: 843-873-8200  
 Certification: UCC-0223

**4. Well Driller Information**

Not Applicable

**5. Laboratory Information**

Name: Pace Analytical Services, LLC  
 Address: 106 Vantage Point Drive, Columbia, SC 29172  
 Telephone: 803-791-9700  
 Certification: 32010001

**6. Site History**

Date Release Reported to SCDHEC: December 6, 1991  
 Estimated Quantity of Product Released: Unknown  
 Cause of Release: Unknown  
 Current use of Facility: Gas Station and Convenience Store (Windsor Mart)

UST #	Product	Date Installed	Currently in Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
2 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
3 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
4 (20,000 gal)	Multiple Petroleum	Unknown	Yes	--



Other Releases at this site?	Yes _____	No <b>XXXX</b>
If yes, Date Release Reported to SCDHEC	n/a	
<b>Status of Release:</b>	n/a	
No Further Action Date:	n/a	

### 7. Regional Geology and Hydrogeology

The Maruti Kundal (former Windsor Mart) site is located in Cheraw, South Carolina which lies in the northeastern portion of the Coastal Plain Province of South Carolina. This province was deposited during a series of transgressive and regressive eustatic sea level changes. The Coastal Plain is comprised of an area of erosional topography near the Fall Line which is considered the Inner Coastal plain and an area of constructional topography that extends seaward which is considered the Outer Coastal Plain. Cheraw is located in the Inner Coastal Plain where the sediments can be highly weathered and therefore causing stratigraphy and aerial distribution to be poorly understood. The Middendorf Formation outcrops in the Inner Coastal Plain and consists of intercalated, lensing, thick bedded, light-colored sands, and clays (mudstones). (The Geology of the Carolinas, Horton & Zullo, 1991)

The site is located below the Fall Line in the Coastal Plain Province. This area consists of sand and clay beds of the Middendorf Formation. Near the southern border of Chesterfield County, the sand aquifers of the Middendorf occur to depths as great as 450 feet. Wells located in these aquifers yield as much as 900 gallons per minute (gpm) with the potential for yields up to 2,000-3,000 gpm. The chemical quality of the water is similar to rainwater with extremely low dissolved solids and low pH. (SCDNR Water Resources Report 36: Groundwater Resources of Chesterfield County, South Carolina, 2004)

## **B. RECEPTOR SURVEY & SITE DATA**

### **1. Receptor Survey Results**

A receptor survey was not conducted during this scope of work. A water supply well (WSW-1) was previously observed on the adjacent residential property to the east (802 Chesterfield Highway). The owner stated it was installed in the last few years for irrigation. Based on the USGS topographic map there are two drainage features located approximately 800 to 1,000 feet to the east and west of the subject site (SW-1 and SW-2).

### **2. Current Site and Adjacent Land Use**

Description of current site use (commercial, residential, rural, etc.):

Commercial; Convenience Store

Description of adjacent land use (commercial, residential, rural, etc):

Residential and Commercial

UST sites within a 1,000-foot radius:

Unknown; none observed

The site is located at 820 Chesterfield Highway in Cheraw, South Carolina. The site is bordered to the west by Windsor Drive and commercial property, to the south by Chesterfield Highway and commercial property, to the east by residential properties, and to the north by commercial property. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A Site Base Map originating from a comprehensive survey completed by Christopher R. Elmer (SC Registered Land Surveyor #30759) of Tim Elmer RLS, LLC on February 27, 2014, is provided in Section J as Figure 2.

### **3. Site-Specific Geology and Hydrogeology**

Based on the Tier II Assessment reported in March 2015, the general soil profile onsite consists of sandy clay and clay underlain by sand and clayey silt in the deep wells. The Site Potentiometric Maps (Figures 5A and 5B) are included in Section J. Based on the data, shallow and deep groundwater flow are generally to the north.

**C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY**

Not Applicable. No soil or groundwater borings were installed during this scope of work.

**D. MONITORING WELL INFORMATION**

Not Applicable. No monitoring wells were installed during this scope of work.

## **E. GROUNDWATER DATA**

### **1. Groundwater Sampling Methodology**

TERRY conducted a comprehensive groundwater sampling event on October 12 and October 13, 2022. Just prior to the sampling event, all monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Monitoring wells MW-5 and MW-17 were dry or had an insufficient volume to sample. Surface water location SW-1 was sampled. SW-2 was dry. TERRY also collected a sample from water supply well (WSW-1). Photographs of the surface water sampling locations are included in Appendix B with the sampling logs.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the deep wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The water supply well sample was collected after the well had run for approximately five minutes.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 4.0. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs and 1,2-Dibromoethane (EDB). One field duplicate was collected for each batch of twenty samples and analyzed for VOCs and EDB. An additional field blank and field duplicate were collected for the water supply well sample and analyzed for VOCs and EDB.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 4.0 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, Ethanol, and EDB. The water supply well sample, associated blank, and duplicate were analyzed per the drinking water methods. As noted in the laboratory report case narrative (page 2 of 70), one of the VOC samples was reanalyzed out of hold time due to over range compounds.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix H: Standard Field Cleaning Procedures" of the SCDHEC UST QAPP, Revision 4.0. By-products were initially stored onsite in 55-gallon drums. The water generated was transported to US Water Recovery for disposal and the



disposal manifest is provided in Appendix G. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event are provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B.

## **2. Purging Methodology**

Per SCDHEC request, all wells were purged prior to sampling. Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous sampling data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. For monitoring wells with smaller casing volumes, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. In accordance with the SCDHEC UST QAPP, Revision 4.0, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge water generated was initially stored onsite in 55-gallon drums. The water generated was transported to US Water Recovery for disposal and the disposal manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 4.0. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2							
GROUNDWATER MEASUREMENTS (PURGE SAMPLING)							
MARUTI KUNDAL (FORMER WINDSOR MART)							
CHERAW, SOUTH CAROLINA							
SCDHEC UST PERMIT #02314							
<b>02314-MW1</b>	<b>10/13/2022</b>						
	Free Product (0.54 ft.)						
<b>02314-MW2R</b>	<b>10/13/2022</b>						
Volume (gal)	Initial	0.25	0.5	0.75/Sample			
Time (military)	1018	1021	1024	1029			
pH (su)	5.00	5.23	5.27	5.26			
Spec Conductivity (mS/cm)	0.111	0.114	0.117	0.116			
Water Temperature (°C)	24.0	23.9	24.2	24.3			
Turbidity (NTU)	659	802	821	829			
Dissolved Oxygen (mg/L)	5.34	4.16	4.20	4.24			
<b>02314-MW3</b>	<b>10/12/2022</b>						
Volume (gal)	Initial	0.75	1	1.25/Dry/Sample			
Time (military)	1840	1843	1845	1854			
pH (su)	5.29	5.68	5.72	6.14			
Spec Conductivity (mS/cm)	0.708	0.969	0.960	0.953			
Water Temperature (°C)	23.5	23.4	23.5	23.4			
Turbidity (NTU)	16.7	924	768	318			
Dissolved Oxygen (mg/L)	3.26	2.91	2.50	1.21			
<b>02314-MW4</b>	<b>10/13/2022</b>						
	Free Product (0.55 ft.)						
<b>02314-MW5</b>	<b>10/12/2022</b>						
	Dry						
<b>02314-MW6</b>	<b>10/12/2022</b>						
Volume (gal)	Initial/Sample						
Time (military)	1339						
pH (su)	Insufficient						
Spec Conductivity (mS/cm)	Sample						
Water Temperature (°C)	Volume						
Turbidity (NTU)	for						
Dissolved Oxygen (mg/L)	Parameters						
<b>02314-MW7</b>	<b>10/13/2022</b>						
Volume (gal)	Initial	0.25	0.5	0.75/Sample			
Time (military)	0950	0952	0954	1000			
pH (su)	4.80	4.64	4.66	4.67			
Spec Conductivity (mS/cm)	0.105	0.094	0.094	0.096			
Water Temperature (°C)	23.9	23.9	24.0	24.1			
Turbidity (NTU)	502	650	628	631			
Dissolved Oxygen (mg/L)	2.28	4.02	3.90	3.88			
<b>02314-MW8</b>	<b>10/13/2022</b>						
Volume (gal)	Initial	0.5	1	1.5/Sample			
Time (military)	0932	0934	0937	0943			
pH (su)	5.27	5.27	5.32	5.35			
Spec Conductivity (mS/cm)	0.134	0.133	0.136	0.138			
Water Temperature (°C)	23.0	23.3	23.5	23.5			
Turbidity (NTU)	0.0	852	819	821			
Dissolved Oxygen (mg/L)	6.29	3.83	3.75	3.70			

<b>02314-MW9</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	0.5	0.75	1/Dry/Sample			
Time (military)		1244	1247	1248	1256		
pH (su)		4.10	3.88	4.10	4.11		
Spec Conductivity (mS/cm)		0.088	0.088	0.088	0.090		
Water Temperature (°C)		22.5	22.6	22.8	22.4		
Turbidity (NTU)		30.8	894	738	230		
Dissolved Oxygen (mg/L)		6.03	6.49	6.00	5.17		
<b>02314-MW10</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	0.75	1.5	2.25	3	3.75/Sample	
Time (military)		1230	1232	1234	1236	1237	1240
pH (su)		5.43	4.60	4.33	4.26	4.24	4.18
Spec Conductivity (mS/cm)		0.096	0.098	0.098	0.100	0.102	0.102
Water Temperature (°C)		24.1	24.1	24.1	24.0	23.6	23.7
Turbidity (NTU)		4.4	916	950	939	950	790
Dissolved Oxygen (mg/L)		7.58	6.20	6.55	6.38	6.13	4.44
<b>02314-MW11</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	0.5	1	1.5/Sample			
Time (military)		1303	1305	1307	1310		
pH (su)		4.18	4.12	4.12	4.13		
Spec Conductivity (mS/cm)		0.083	0.086	0.087	0.086		
Water Temperature (°C)		23.3	23.3	23.4	23.2		
Turbidity (NTU)		27.1	681	700	704		
Dissolved Oxygen (mg/L)		6.37	6.72	6.54	6.58		
<b>02314-MW12</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	0.5	0.75	1/Dry/Sample			
Time (military)		1827	1830	1831	1837		
pH (su)		5.01	5.15	5.28	5.30		
Spec Conductivity (mS/cm)		0.102	0.121	0.129	0.128		
Water Temperature (°C)		23.3	23.3	23.0	23.1		
Turbidity (NTU)		0.0	701	835	458		
Dissolved Oxygen (mg/L)		8.37	5.02	5.22	2.32		
<b>02314-MW13</b>		<b>10/13/2022</b>					
Volume (gal)	Initial	0.5	1.0	1.5	2/Sample		
Time (military)		1140	1142	1144	1147	1152	
pH (su)		4.73	4.60	4.65	4.64	4.72	
Spec Conductivity (mS/cm)		0.079	0.079	0.081	0.084	0.085	
Water Temperature (°C)		24.2	24.1	23.9	23.9	23.9	
Turbidity (NTU)		0.0	200	465	456	472	
Dissolved Oxygen (mg/L)		5.18	5.18	3.90	3.81	3.74	
<b>02314-MW14</b>		<b>10/13/2022</b>					
Free Product (0.43 ft.)							
<b>02314-MW15</b>		<b>10/13/2022</b>					
Volume (gal)	Initial	0.5	1.0	1.5/Sample	Duplicate (DUP)		
Time (military)		1119	1121	1124	1127	1129	
pH (su)		5.54	5.62	5.64	5.64		
Spec Conductivity (mS/cm)		0.251	0.272	0.263	0.266		
Water Temperature (°C)		24.1	23.8	23.8	23.7		
Turbidity (NTU)		0.0	340	341	352		
Dissolved Oxygen (mg/L)		5.02	2.27	2.20	2.19		
<b>02314-MW16</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	0.75	1.5	2.25/Sample			
Time (military)		1431	1435	1437	1440		
pH (su)		4.15	4.02	4.01	4.03		
Spec Conductivity (mS/cm)		0.117	0.139	0.140	0.142		
Water Temperature (°C)		23.2	22.4	22.2	22.1		
Turbidity (NTU)		60.0	900	883	876		
Dissolved Oxygen (mg/L)		6.87	5.83	5.81	5.71		



02314-MW17		10/12/2022						
Insufficient Volume to Collect Parameters or Sample								
02314-MW18		10/12/2022						
Volume (gal)	Initial	0.75	1.5	2.25/Sample				
Time (military)	1451	1453	1455	1500				
pH (su)	4.31	4.22	4.22	4.19				
Spec Conductivity (mS/cm)	0.071	0.084	0.087	0.087				
Water Temperature (°C)	23.8	23.6	23.5	23.4				
Turbidity (NTU)	415	846	861	873				
Dissolved Oxygen (mg/L)	9.02	5.65	5.60	5.47				
02314-MW19		10/13/2022						
Free Product (0.95 ft)								
02314-MW20		10/13/2022						
Volume (gal)	Initial	1	2	3/Sample				
Time (military)	1202	1205	1208	1212				
pH (su)	4.84	4.94	5.00	4.99				
Spec Conductivity (mS/cm)	0.121	0.136	0.142	0.142				
Water Temperature (°C)	24.5	24.5	24.4	24.4				
Turbidity (NTU)	46.2	799	819	830				
Dissolved Oxygen (mg/L)	5.49	5.00	4.97	4.84				
02314-MW21		10/12/2022						
Volume (gal)	Initial	1	2	3/Sample				
Time (military)	1532	1536	1538	1540				
pH (su)	4.30	4.06	4.11	4.05				
Spec Conductivity (mS/cm)	0.101	0.098	0.095	0.093				
Water Temperature (°C)	23.4	23.3	23.2	23.2				
Turbidity (NTU)	404	924	940	931				
Dissolved Oxygen (mg/L)	5.23	3.93	3.83	3.75				
02314-MW22		10/12/2022						
Volume (gal)	Initial	0.75	1.5	2.25/Sample				
Time (military)	1550	1552	1553	1555				
pH (su)	4.02	3.99	3.97	3.98				
Spec Conductivity (mS/cm)	0.095	0.090	0.090	0.090				
Water Temperature (°C)	24.7	24.5	24.6	24.6				
Turbidity (NTU)	341	812	838	837				
Dissolved Oxygen (mg/L)	6.07	5.01	4.88	4.86				
02314-MW23		10/13/2022						
Volume (gal)	Initial	1	2	3	4/Sample			
Time (military)	0907	0911	0914	0918	0922			
pH (su)	4.91	4.97	5.13	5.14	5.17			
Spec Conductivity (mS/cm)	0.080	0.089	0.100	0.096	0.096			
Water Temperature (°C)	23.2	23.3	23.3	23.4	23.4			
Turbidity (NTU)	679	982	977	989	988			
Dissolved Oxygen (mg/L)	3.54	4.46	5.10	5.11	5.26			
02314-MW24		10/13/2022						
Volume (gal)	Initial	1	2	3	4	5/Sample		
Time (military)	0841	0844	0849	0852	0854	0857		
pH (su)	4.82	5.20	5.24	5.43	5.42	5.34		
Spec Conductivity (mS/cm)	0.075	0.115	0.111	0.155	0.130	0.118		
Water Temperature (°C)	22.6	22.7	22.8	22.8	22.9	22.8		
Turbidity (NTU)	29.8	990	899	963	900	794		
Dissolved Oxygen (mg/L)	5.39	4.92	3.40	4.09	3.00	2.60		



<b>02314-MW25</b>		<b>10/13/2022</b>					
Volume (gal)	Initial	1	2	3	4/Sample		
Time (military)	0816	0821	0824	0826	0830		
pH (su)	3.93	3.88	3.92	3.91	3.90		
Spec Conductivity (mS/cm)	0.211	0.096	0.083	0.082	0.080		
Water Temperature (°C)	22.2	22.8	23.0	23.2	23.2		
Turbidity (NTU)	278	914	928	940	942		
Dissolved Oxygen (mg/L)	5.04	4.85	4.72	4.60	4.58		
<b>02314-MW26</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	1	2	3	4/Sample		
Time (military)	1707	1708	1714	1716	1719		
pH (su)	4.33	4.07	4.00	3.99	3.95		
Spec Conductivity (mS/cm)	0.055	0.056	0.056	0.056	0.056		
Water Temperature (°C)	24.4	24.4	24.5	24.5	24.5		
Turbidity (NTU)	178	498	866	902	900		
Dissolved Oxygen (mg/L)	4.73	5.00	4.11	4.20	4.02		
<b>02314-MW27</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	1	2	3/Sample			
Time (military)	1800	1803	1807	1810			
pH (su)	4.01	4.21	4.25	4.21			
Spec Conductivity (mS/cm)	0.038	0.056	0.059	0.059			
Water Temperature (°C)	24.3	24.2	24.2	24.2			
Turbidity (NTU)	637	917	958	960			
Dissolved Oxygen (mg/L)	4.41	4.23	4.22	4.11			
<b>02314-MW28</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	1.75	3.5	5.25	7/Sample		
Time (military)	1407	1412	1414	1416	1418		
pH (su)	5.16	5.08	5.00	5.02	5.06		
Spec Conductivity (mS/cm)	0.071	0.066	0.064	0.066	0.066		
Water Temperature (°C)	26.1	24.3	23.5	23.1	23.0		
Turbidity (NTU)	12.7	825	893	884	874		
Dissolved Oxygen (mg/L)	7.15	6.02	3.63	3.55	3.47		
<b>02314-MW29</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	1	2	3/Sample			
Time (military)	1629	1631	1633	1634			
pH (su)	4.19	4.11	4.09	4.07			
Spec Conductivity (mS/cm)	0.086	0.093	0.093	0.090			
Water Temperature (°C)	24.1	23.6	23.3	23.2			
Turbidity (NTU)	75.0	912	931	937			
Dissolved Oxygen (mg/L)	7.30	5.32	5.20	5.18			
<b>02314-MW30</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	1.25	2.5	3.75	5	6.25/Sample	
Time (military)	1607	1610	1612	1614	1617	1620	
pH (su)	4.29	4.31	4.38	4.55	4.51	4.53	
Spec Conductivity (mS/cm)	0.076	0.071	0.072	0.074	0.075	0.076	
Water Temperature (°C)	25.0	25.0	24.9	24.7	24.7	24.5	
Turbidity (NTU)	105	911	920	952	938	903	
Dissolved Oxygen (mg/L)	7.47	5.11	4.77	4.64	4.92	4.99	
<b>02314-DW1</b>		<b>10/12/2022</b>					
Volume (gal)	Initial	6	9	9.25/Dry/Sample			
Time (military)	1150	1210	1214	1221			
pH (su)	6.60	7.40	7.47	6.50			
Spec Conductivity (mS/cm)	0.279	0.307	0.188	0.170			
Water Temperature (°C)	24.2	22.9	22.8	23.2			
Turbidity (NTU)	35.0	31.5	42.2	28.7			
Dissolved Oxygen (mg/L)	4.72	5.64	7.44	5.64			

<b>02314-DW2</b>		<b>10/12/2022</b>						
Volume (gal)	Initial	5	6	6.25/Dry/Sample				
Time (military)		1514	1518	1519	1526			
pH (su)		5.79	5.84	5.88	5.66			
Spec Conductivity (mS/cm)		0.067	0.062	0.060	0.060			
Water Temperature (°C)		23.9	24.1	23.4	23.0			
Turbidity (NTU)		0.0	0.0	288	608			
Dissolved Oxygen (mg/L)		6.74	6.00	5.86	5.43			
<b>02314-DW3</b>		<b>10/12/2022</b>						
Volume (gal)	Initial	6	6.5	6.75/Dry/Sample				
Time (military)		1651	1656	1658	1705			
pH (su)		5.76	5.86	5.87	5.91			
Spec Conductivity (mS/cm)		0.116	0.130	0.128	0.126			
Water Temperature (°C)		23.7	22.6	22.5	22.8			
Turbidity (NTU)		0.0	292	281	261			
Dissolved Oxygen (mg/L)		6.30	6.19	3.97	2.49			
<b>02314-RW1</b>		<b>10/13/2022</b>						
Volume (gal)	Initial	7	14	21	28/Sample			
Time (military)		1039	1045	1051	1057	1103		
pH (su)		4.44	4.88	5.02	5.01	5.08		
Spec Conductivity (mS/cm)		0.077	0.089	0.099	0.098	0.099		
Water Temperature (°C)		24.2	24.6	24.1	23.9	23.5		
Turbidity (NTU)		0.0	34.9	1.9	0.0	0.0		
Dissolved Oxygen (mg/L)		4.93	4.11	3.22	3.20	3.10		
<b>02314-RW2</b>		<b>10/13/2022</b>						
Volume (gal)	Initial	8	16	24	32	40/Sample		
Time (military)		1319	1330	1340	1348	1355	1405	
pH (su)		5.67	5.72	5.58	5.51	5.21	5.28	
Spec Conductivity (mS/cm)		0.425	0.252	0.172	0.260	0.136	0.125	
Water Temperature (°C)		24.2	23.4	23.0	23.2	22.9	22.8	
Turbidity (NTU)		0.0	12.6	13.7	14.1	10.1	5.1	
Dissolved Oxygen (mg/L)		6.01	2.48	4.31	4.17	4.57	5.57	
<b>02314-RW3</b>		<b>10/12/2022</b>						
Volume (gal)	Initial	8	16	24	32	40/Sample		
Time (military)		1902	1914	1920	1926	1930	1938	
pH (su)		5.94	5.40	5.26	5.14	5.04	4.99	
Spec Conductivity (mS/cm)		0.069	0.043	0.046	0.055	0.063	0.066	
Water Temperature (°C)		22.6	22.1	22.0	22.0	22.0	21.9	
Turbidity (NTU)		0.8	14.1	5.1	3.7	0.0	0.0	
Dissolved Oxygen (mg/L)		7.52	3.95	5.33	4.00	3.68	4.38	
<b>02314-RW4</b>		<b>10/13/2022</b>						
Free Product (0.60 ft.)								
<b>02314-RW5</b>		<b>10/13/2022</b>						
Volume (gal)	Initial	9	18	27	36	45/Sample	Duplicate (DUP)	
Time (military)		1225	1234	1240	1246	1254	1300	1302
pH (su)		4.06	4.43	5.04	5.32	5.41	5.46	
Spec Conductivity (mS/cm)		0.269	0.214	0.188	0.182	0.179	0.178	
Water Temperature (°C)		25.1	24.3	23.9	23.8	23.7	23.6	
Turbidity (NTU)		0.0	32.0	20.3	17.8	19.9	5.6	
Dissolved Oxygen (mg/L)		2.94	5.26	4.11	3.79	5.04	5.18	

**NOTES/KEY:**

gal = gallons  
su = standard unit  
mS/cm = milliSiemens per centimeter  
NTU = nephelometric turbidity units  
mg/L = milligrams per liter

### **3. Free Product Measurements**

Free-phase petroleum was measured in MW-1 (0.54 feet), MW-4 (0.55 feet), MW-14 (0.43 feet), MW-19 (0.95 feet), and RW-4 (0.60 feet) on October 13, 2022. Therefore, monitoring wells MW-1, MW-4, MW-14, MW-19, and RW-4 were not sampled.

**F. AFVR INFORMATION**

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

**G. GRANULATED ACTIVATED CARBON INSTALLATION**

Not Applicable. No granulated activated carbon units were installed during this scope of work.

## **H. RESULTS & DISCUSSION**

### **1. Assessment Results**

During this scope of work, TERRY conducted a comprehensive groundwater sampling event on October 12 and October 13, 2022, in accordance with the SCDHEC UST QAPP, Revision 4.0 and the associated site-specific work plan submitted in July 2022. Source area wells MW-1, MW-4, MW-14, MW-19, and RW-4 contain measurable free-phase petroleum.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present near the dispenser islands (MW-1, MW-2R, MW-3, MW-4, MW-7, MW-8, MW-14, MW-15, RW-1, RW-2, and RW-3), the UST basin (MW-13, MW-19, MW-20, RW-4, and RW-5), and migrating in the direction of groundwater flow to the north (MW-12, MW-23, MW-24, MW-25, MW-27, and MW-30). The plume remains horizontally undefined down gradient to the north of MW-30. The plume is vertically defined. The sample collected from the surface water location (SW-1) did not show evidence of petroleum contamination. The sample collected from the water supply well (WSW-1) did not show evidence of petroleum contamination.

Historically AFVR events have been successful at recovering contaminant mass and reducing free-phase product thicknesses in the monitoring/recovery wells. TERRY recommends conducting two (2) 96-hour AFVR Events on monitoring/recovery wells MW-1, MW-4, and RW-2 (Event 1) and on monitoring/recovery wells MW-19, MW-20, RW-4, and RW-5 (Event 2) to continue to reduce dissolved phase contaminants in the source area. Monitoring well MW-14 could potentially be added into Event 2 during overnight hours while the store was closed.

### **2. Aquifer Evaluation Results**

Not Applicable

### **3. Fate & Transport Results**

Not Applicable

### **4. Tier 1 Risk Evaluation**

Not Applicable

**5. Tier 2 Risk Evaluation**

Not Applicable



**I. TABLES**

**1. Soil Analytical Data**

Table 1 Soil Analytical Data - Not Applicable

**2. Potentiometric Data**

Table 2 Groundwater Potentiometric Data - Attached

**3. Laboratory Data**

Table 3 Groundwater Laboratory Data - Attached

**4. Aquifer Characteristics**

Table 4 Aquifer Characteristics - Not Applicable

**5. Site Conceptual Model**

Table 5 Site Conceptual Model - Not Applicable

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9N**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW1	3/19/1997	173.28	10 to 20	13.70	n/a	n/a	159.58
	6/17/1997			16.07	n/a	n/a	157.21
	12/9/2013			20.65	17.31	3.34	152.63
	9/26/2014			19.60	16.82	2.78	153.68
	2/2/2015			Free Product (1.20 ft)			
	1/3/2017			15.96	n/a	n/a	157.32
	3/6/2018			20.53	19.08	1.45	152.75
	12/27/2018			13.92	11.82	2.10	159.36
	7/1/2020			16.05	13.83	2.22	157.23
	10/13/2022			19.03	18.49	0.54	154.25
02314-MW2	6/17/1997	100.06	10 to 20	16.04	n/a	n/a	84.02
	12/9/2013			Could Not Find			
	9/29/2014			Could Not Find			
02314-MW2R	9/29/2014	173.92	10.3-20.3	17.60	n/a	n/a	156.32
	2/2/2015			15.72	n/a	n/a	158.20
	1/3/2017			15.96	n/a	n/a	157.96
	3/6/2018			Dry			
	12/28/2018			12.18	n/a	n/a	161.74
	7/1/2020			14.40	n/a	n/a	159.52
	10/13/2022			18.60	n/a	n/a	155.32
02314-MW3	6/17/1997	171.43	10 to 20	13.64	n/a	n/a	157.79
	12/9/2013			15.86	n/a	n/a	155.57
	9/26/2014			15.65	14.70	0.95	155.78
	2/2/2015			Free Product (1.0 ft)			
	1/3/2017			13.45	n/a	n/a	157.98
	3/6/2018			17.07	n/a	n/a	154.36
	12/27/2018			10.19	n/a	n/a	161.24
	6/30/2020			11.58	n/a	n/a	159.85
	10/12/2022			16.15	n/a	n/a	155.28
02314-MW4	6/17/1997	173.39	10 to 20	15.75	n/a	n/a	157.64
	12/9/2013			18.80	16.91	1.89	154.59
	9/26/2014			19.43	16.32	3.11	153.96
	2/2/2015			Free Product (0.80 ft)			
	1/3/2017			15.69	n/a	n/a	157.70
	3/6/2018			19.95	18.82	1.13	153.44
	12/27/2018			13.04	13.44	0.40	160.35
	7/1/2020			14.18	13.75	0.43	159.21
	10/13/2022			18.65	18.10	0.55	154.74
02314-MW5	9/29/2014	174.97	9.9 to 19.9	18.51	n/a	n/a	156.46
	2/2/2015			17.10	n/a	n/a	157.87
	1/3/2017			Not Gauged			
	3/5/2018			Dry			
	12/28/2018			14.30	n/a	n/a	160.67
	6/30/2020			16.38	n/a	n/a	158.59
02314-MW6	10/12/2022	174.57	10.1 to 20.1	Dry			
	9/29/2014			18.17	n/a	n/a	156.40
	2/2/2015			16.55	n/a	n/a	158.02
	1/3/2017			Not Gauged			
	3/6/2018			Dry			
	12/27/2018			12.94	n/a	n/a	161.63
02314-MW7	6/30/2020	174.20	10.3 to 20.3	14.85	n/a	n/a	159.72
	10/12/2022			19.23	n/a	n/a	155.34
	9/29/2014			18.09	17.86	0.23	156.11
	2/2/2015			Free Product (0.27 ft)			
	1/3/2017			16.37	n/a	n/a	157.83
	3/6/2018			19.86	19.83	0.03	154.34
12/27/2018	12.55	n/a	n/a	161.65			
7/1/2020	14.72	n/a	n/a	159.48			
10/13/2022	18.96	n/a	n/a	155.24			



**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9N**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW8	9/29/2014	173.79	10.3 to 20.3	17.55	n/a	n/a	156.24
	2/2/2015			16.11	n/a	n/a	157.68
	1/3/2017			15.93	n/a	n/a	157.86
	3/6/2018			19.45	n/a	n/a	154.34
	12/27/2018			12.25	n/a	n/a	161.54
	7/1/2020			14.33	n/a	n/a	159.46
	10/13/2022			18.58	n/a	n/a	155.21
02314-MW9	9/29/2014	172.72	9.9 to 19.9	16.84	n/a	n/a	155.88
	2/2/2015			14.73	n/a	n/a	157.99
	1/3/2017			Not Gauged			
	3/5/2018			18.30	n/a	n/a	154.42
	12/26/2018			11.20	n/a	n/a	161.52
	6/30/2020			13.04	n/a	n/a	159.68
	10/12/2022			17.43	n/a	n/a	155.29
02314-MW10	9/29/2014	172.09	10.3 to 20.3	15.85	n/a	n/a	156.24
	2/2/2015			14.19	n/a	n/a	157.90
	1/3/2017			Not Gauged			
	3/5/2018			17.79	n/a	n/a	154.30
	12/26/2018			11.61	n/a	n/a	160.48
	6/30/2020			12.83	n/a	n/a	159.26
	10/12/2022			16.93	n/a	n/a	155.16
02314-MW11	9/29/2014	172.07	10.1 to 20.1	15.95	n/a	n/a	156.12
	2/2/2015			14.30	n/a	n/a	157.77
	1/3/2017			Not Gauged			
	3/5/2018			17.83	n/a	n/a	154.24
	12/26/2018			10.68	n/a	n/a	161.39
	6/30/2020			12.65	n/a	n/a	159.42
	10/12/2022			17.43	n/a	n/a	154.64
02314-MW12	9/29/2014	172.54	10.3 to 20.3	16.40	n/a	n/a	156.14
	2/2/2015			14.76	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			18.31	n/a	n/a	154.23
	12/27/2018			11.09	n/a	n/a	161.45
	7/1/2020			13.19	n/a	n/a	159.35
	10/12/2022			17.41	n/a	n/a	155.13
02314-MW13	9/29/2014	172.64	10.3 to 20.3	17.20	n/a	n/a	155.44
	2/2/2015			15.55	n/a	n/a	157.09
	1/3/2017			14.95	n/a	n/a	157.69
	3/6/2018			18.48	n/a	n/a	154.16
	12/27/2018			11.13	n/a	n/a	161.51
	7/1/2020			13.28	n/a	n/a	159.36
	10/13/2022			17.58	n/a	n/a	155.06
02314-MW14	9/29/2014	172.88	10.3 to 20.3	16.75	n/a	n/a	156.13
	2/2/2015			15.15	n/a	n/a	157.73
	1/3/2017			Not Gauged			
	3/5/2018			20.39	19.41	<b>0.98</b>	152.49
	12/27/2018			13.40	13.90	<b>0.50</b>	159.48
	7/1/2020			13.70	13.52	<b>0.18</b>	159.18
	10/13/2022			18.10	17.67	<b>0.43</b>	154.78
02314-MW15	9/29/2014	173.85	10.3 to 20.3	17.90	n/a	n/a	155.95
	2/2/2015			15.85	n/a	n/a	158.00
	1/3/2017			15.88	n/a	n/a	157.97
	3/6/2018			19.43	n/a	n/a	154.42
	12/27/2018			12.20	n/a	n/a	161.65
	7/1/2020			14.30	n/a	n/a	159.55
	10/13/2022			18.51	n/a	n/a	155.34

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9N**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW16	11/19/2014	176.97	16.0 to 26.0	21.50	n/a	n/a	155.47
	2/2/2015			18.69	n/a	n/a	158.28
	1/3/2017			Not Gauged			
	3/5/2018			22.29	n/a	n/a	154.68
	12/26/2018			15.24	n/a	n/a	161.73
	6/30/2020			17.03	n/a	n/a	159.94
	10/12/2022			21.38	n/a	n/a	155.59
02314-MW17	11/6/2014	176.13	10.4 to 20.4	20.10	n/a	n/a	156.03
	2/2/2015			17.79	n/a	n/a	158.34
	1/3/2017			Not Gauged			
	3/5/2018			Dry			
	12/26/2018			14.24	n/a	n/a	161.89
	6/30/2020			16.15	n/a	n/a	159.98
	10/12/2022			20.16	n/a	n/a	155.97
02314-MW18	11/6/2014	175.59	14.6 to 24.6	19.74	n/a	n/a	155.85
	2/2/2015			17.40	n/a	n/a	158.19
	1/3/2017			Not Gauged			
	3/5/2018			20.97	n/a	n/a	154.62
	12/26/2018			13.91	n/a	n/a	161.68
	6/30/2020			15.80	n/a	n/a	159.79
	10/12/2022			20.06	n/a	n/a	155.53
02314-MW19	11/6/2014	171.50	12.3 to 22.3	16.32	n/a	n/a	155.18
	2/2/2015			14.15	n/a	n/a	157.35
	1/3/2017			13.95	n/a	n/a	157.55
	3/6/2018			17.22	17.02	0.20	154.28
	12/26/2018			--	9.28	>3.0	--
	7/1/2020			13.42	11.90	1.52	158.08
	10/13/2022			17.37	16.42	0.95	154.13
02314-MW20	11/6/2014	171.82	12.2 to 22.2	16.63	n/a	n/a	155.19
	2/2/2015			14.35	n/a	n/a	157.47
	1/3/2017			14.30	n/a	n/a	157.52
	3/6/2018			17.74	n/a	n/a	154.08
	12/27/2018			10.52	n/a	n/a	161.30
	7/1/2020			12.75	n/a	n/a	159.07
	10/13/2022			16.82	n/a	n/a	155.00
02314-MW21	2/2/2015	173.97	13.7 to 23.7	16.55	n/a	n/a	157.42
	1/3/2017			Not Gauged			
	3/5/2018			19.88	n/a	n/a	154.09
	12/26/2018			12.59	n/a	n/a	161.38
	6/30/2020			14.80	n/a	n/a	159.17
	10/12/2022			18.95	n/a	n/a	155.02
02314-MW22	2/2/2015	171.95	12 to 22	14.65	n/a	n/a	157.30
	1/3/2017			Not Gauged			
	3/5/2018			17.98	n/a	n/a	153.97
	12/26/2018			10.68	n/a	n/a	161.27
	6/30/2020			12.81	n/a	n/a	159.14
	10/12/2022			17.10	n/a	n/a	154.85
02314-MW23	2/2/2015	171.03	11.2 to 21.2	13.72	n/a	n/a	157.31
	1/3/2017			13.65	n/a	n/a	157.38
	3/6/2018			17.04	n/a	n/a	153.99
	12/27/2018			10.45	n/a	n/a	160.58
	7/1/2020			12.07	n/a	n/a	158.96
	10/13/2022			16.19	n/a	n/a	154.84
02314-MW24	2/2/2015	169.78	11 to 21	12.54	n/a	n/a	157.24
	1/3/2017			Not Gauged			
	3/5/2018			15.90	n/a	n/a	153.88
	12/26/2018			8.70	n/a	n/a	161.08
	7/1/2020			10.94	n/a	n/a	158.84
	10/13/2022			15.08	n/a	n/a	154.70

**TABLE 2  
GROUNDWATER POTENTIOMETRIC DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
TERRY PROJECT #2171.9N**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW25	2/2/2015	170.08	11 to 21	13.00	n/a	n/a	157.08
	1/3/2017			Not Gauged			
	3/5/2018			16.26	n/a	n/a	153.82
	12/27/2018			9.75	n/a	n/a	160.33
	7/1/2020			11.40	n/a	n/a	158.68
	10/13/2022			15.44	n/a	n/a	154.64
02314-MW26	2/2/2015	169.21	10.4 to 20.4	12.24	n/a	n/a	156.97
	1/3/2017			Not Gauged			
	3/5/2018			15.42	n/a	n/a	153.79
	12/26/2018			8.18	n/a	n/a	161.03
	6/30/2020			10.38	n/a	n/a	158.83
	10/12/2022			14.59	n/a	n/a	154.62
02314-MW27	2/2/2015	168.95	10 to 20	11.81	n/a	n/a	157.14
	1/3/2017			Not Gauged			
	3/5/2018			14.97	n/a	n/a	153.98
	12/27/2018			7.80	n/a	n/a	161.15
	7/1/2020			9.98	n/a	n/a	158.97
	10/12/2022			14.14	n/a	n/a	154.81
02314-MW28	11/5/2020 <sup>(2)</sup>	167.68	7.5 to 22.5	11.00	n/a	n/a	156.68
	10/12/2022			12.91	n/a	n/a	154.77
02314-MW29	11/5/2020 <sup>(2)</sup>	171.58	7.5 to 22.5	15.00	n/a	n/a	156.58
	10/12/2022			16.93	n/a	n/a	154.65
02314-MW30	11/5/2020 <sup>(2)</sup>	169.78	7 to 22	13.00	n/a	n/a	156.78
	10/12/2022			15.21	n/a	n/a	154.57
02314-DW1	9/29/2014	173.59	49.6 to 54.6	16.97	n/a	n/a	156.62
	2/2/2015			15.37	n/a	n/a	158.22
	1/3/2017			Not Gauged			
	3/5/2018			17.33	n/a	n/a	156.26
	12/26/2018			15.79	n/a	n/a	157.80
	6/30/2020			13.73	n/a	n/a	159.86
02314-DW2	10/12/2022	174.37	44.6 to 49.6	18.14	n/a	n/a	155.45
	2/2/2015			16.59	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			19.82	n/a	n/a	154.55
	12/26/2018			13.06	n/a	n/a	161.31
	6/30/2020			14.61	n/a	n/a	159.76
02314-DW3	10/12/2022	169.93	44.6 to 49.6	18.78	n/a	n/a	155.59
	2/2/2015			13.72	n/a	n/a	156.21
	1/3/2017			Not Gauged			
	3/5/2018			16.50	n/a	n/a	153.43
	12/26/2018			11.02	n/a	n/a	158.91
	7/1/2020			11.71	n/a	n/a	158.22
02314-RW1	10/12/2022	174.15	10 to 30	15.79	n/a	n/a	154.14
	1/3/2017			16.11	n/a	n/a	n/a
	3/6/2018			19.80	19.51	0.29	n/a
	12/28/2018			12.24	n/a	n/a	161.91
	7/1/2020			14.48	n/a	n/a	159.67
02314-RW2	10/13/2022	173.28	10 to 30	18.69	n/a	n/a	155.46
	1/3/2017			15.47	n/a	n/a	n/a
	3/6/2018			19.93	18.63	1.30	n/a
	12/28/2018			11.75	n/a	n/a	161.53
	7/1/2020			13.86	n/a	n/a	159.42
02314-RW3	10/13/2022	173.17	10 to 30	18.01	n/a	n/a	155.27
	1/3/2017			Not Gauged			
	3/6/2018			18.94	n/a	n/a	n/a
	12/27/2018			11.78	n/a	n/a	161.39
	7/1/2020			13.77	n/a	n/a	159.40
10/12/2022	18.08	n/a	n/a	155.09			

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.9N**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-RW4	12/27/2018	172.02	10 to 30	10.50	n/a	n/a	161.52
	7/1/2020			12.59	n/a	n/a	159.43
	10/13/2022			17.27	16.67	0.60	154.75
02314-RW5	12/27/2018	172.04	10 to 30	10.70	n/a	n/a	161.34
	7/1/2020			12.82	n/a	n/a	159.22
	10/13/2022			17.03	n/a	n/a	155.01

Notes:

All Data Prior to December 2013 collected by others

<sup>(1)</sup> TOC = Top of casing relative to an assumed data

<sup>(2)</sup> Wells installed in November 2020 but not sampled.

\* = Measured relative to TOC

\*\*Corrected Elevation calculated using following equation:

$$\text{Corrected elevation} = \text{Water table elevation} + [(0.77)(\text{free product thickness})]$$

TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERAW, SOUTH CAROLINA TERRY PROJECT #2171.9N SCDHEC UST PERMIT #02314																			
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBS1	--	5	1,000	700	10,000	25	40	5	0.05	15	120	1,400	150	47	N/A	10,000	240	N/A	
02314-MW1	3/19/1997	1,530	8,650	1,350	12,730	<100	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1997	1,270	6,510	515	6,470	367	<1,000	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	Free Product (3.34 ft.)																	
	9/26/2014	Free Product (2.78 ft.)																	
	1/3/2017	15,000	46,000	2,800	17,000	440J	<500	<500	--	--	--	<5,000	<10,000	280J	<500	<10,000	480,000	28,000	<2,500
	3/6/2018	Free Product (1.45 ft.)																	
	12/27/2018	Free Product (2.10 ft.)																	
02314-MW2	7/1/2020	Free Product (2.22 ft.)																	
	10/13/2022	Free Product (0.54 ft.)																	
	6/17/1997	29	1.25	1.13	136.1	5.5	13.7	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	Could Not Find																	
	9/29/2014	Could Not Find																	
02314-MW2R	9/29/2014	6,400	18,000	1,600	8,800	330	<200	<200	--	--	<2,000	<4,000	87J	<200	<4,000	<20,000	6,900	<1,000	
	1/3/2017	11,000	40,000	2,600	15,000	380	<200	<200	--	--	<2,000	<4,000	130J	<200	<4,000	<20,000	36,000	<1,000	
	3/6/2018	Dry																	
	12/28/2018	2,600	15,000	2,500	13,000	670	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	8,100	<500	
	7/1/2020	2,700	15,000	2,700	14,000	610	<100	<100	<0.019	--	<1,000	93J	<100	<100	<2,000	<10,000	11,000	<500	
	10/13/2022	2,800	15,000	5,800	28,000	2,500	<2,000	<2,000	<0.020	--	<20,000	<40,000	<2,000	<2,000	<40,000	<200,000	<40,000	<10,000	
02314-MW3	6/17/1997	<1.0	<1.0	<3.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	18.5	102	27.6	374	13.4	<1.00	<1.00	<0.010	<15.0	<5.00	<10.0	<5.00	<5.00	<100	<1,000	20.4	<50.0	
	9/26/2014	Free Product (0.95 ft.)																	
	1/3/2017	11	17	36	260	28	<5.0	<5.0	--	--	<50	<100	<5.0	<5.0	<100	<500	53J	<25	
	3/6/2018	230	310	270	1,300	86	<5.0	5.6	<0.019	--	<50	<100	<5.0	<5.0	<100	<500	380	<25	
	12/27/2018	95	61	110	500	52	<5.0	<5.0	<0.020	--	<50	<100	<5.0	<5.0	<100	<500	870	<25	
02314-MW4	6/30/2020	38	55	34	110	28	<1.0	<1.0	<0.020	--	<10	94J	<1.0	<1.0	<20	<100	350	<5.0	
	10/12/2022	12	3.7	7.5	18	6.5	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	100	<5.0	
	6/17/1997	5,430	14,300	1,960	19,360	1,090	<2,500	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	Free Product (1.89 ft.)																	
	9/26/2014	Free Product (3.11 ft.)																	
02314-MW5	1/3/2017	15,000	42,000	3,000	17,000	470J	380J	<500	--	--	<5,000	<10,000	660	<500	<10,000	2,500,000	61,000	<2,500	
	3/6/2018	Free Product (1.13 ft.)																	
	12/27/2018	Free Product (0.40 ft.)																	
	7/1/2020	Free Product (0.43 ft.)																	
	10/13/2022	Free Product (0.55 ft.)																	
02314-MW6	9/29/2014	13	110	16	100	4.8	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	Dry																	
	12/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW7	10/12/2022	1.5	8.8	2.6	21	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	60	<5.0	
	1/3/2017	Not Sampled																	
	3/6/2018	Dry																	
	12/27/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	1.6J	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW7	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	9/29/2014	Free Product (0.21 ft.)																	
	1/3/2017	6,100	35,000	3,200	20,000	700	<500	<500	--	--	<5,000	<10,000	300J	<500	<10,000	<50,000	32,000	<2,500	
	3/6/2018	Free Product (0.03 ft.)																	
	12/27/2018	3,600	17,000	2,000	12,000	840	<100	<100	0.53	--	<1,000	<2,000	170	<100	<2,000	<10,000	17,000	<500	

TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERAW, SOUTH CAROLINA TERRY PROJECT #2171.9N SCDHEC USE PERMIT #02314																			
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A		
02314-MW8	9/29/2014	3,700	12,000	1,300	7,200	180J	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	6,700	<1,000	
	1/3/2017	1,700	15,000	2,000	12,000	230	<100	<100	--	--	<1,000	<2,000	<100	<100	<2,000	<10,000	7,100	<500	
	3/6/2018	1,300	2,800	350	4,300	100	<20	<20	<0.020	--	<200	<400	18J	<20	<400	<2,000	11,000	<100	
	12/27/2018	900	1,900	390	5,000	4J	<20	<20	<0.019	--	<200	<400	17J	<20	<400	<2,000	6,000	<100	
	7/1/2020	910	2,000	330	6,800	49J	<50	<50	0.0089JP	--	<500	240J	<50	<50	<1,000	<5,000	11,000	<250	
10/13/2022	880	180	180	2,400	278	<10	<10	<0.020	--	<100	140J	14	<10	<200	<1,000	5,700	<50		
02314-MW9	9/29/2014	0.51J	3.0	0.54J	3.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017																		
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-MW10	9/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017																		
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-MW11	9/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017																		
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-MW12	9/29/2014	0.38J	<1.0	<1.0	5.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	51	<5.0	
	1/3/2017																		
	3/5/2018	110	200	47	240	21	<1.0	<1.0	<0.019	--	<10	44	0.79J	<1.0	<20	<100	3,200	<5.0	
	12/27/2018	190	330	99	460	21	<5.0	<5.0	<0.020	--	<50	77J	<5.0	<5.0	<100	<500	2,400	<25	
	7/1/2020	130	260	74	350	20	<5.0	<5.0	<0.019	--	<50	44J	<5.0	<5.0	<100	<500	1,900	<25	
10/12/2022	58	4.2	38	31	20	<1.0	<1.0	<0.020	--	<10	28	<1.0	<1.0	<20	<100	1,000	<5.0		
02314-MW13	9/29/2014	6,400	21,000	1,700	8,600	300	110J	<200	--	--	<2,000	<4,000	240	<200	<4,000	<20,000	5,400	<1,000	
	1/3/2017	3,400	12,000	1,300	9,100	320	<100	<100	--	--	<1,000	<2,000	<100	<100	<2,000	<10,000	10,000	<500	
	3/6/2018	3,400	14,000	1,300	11,000	440	<100	<100	<0.019	--	<1,000	<2,000	66J	<100	<2,000	<10,000	5,100	<500	
	12/27/2018	1,800	4,700	1,300	6,000	340	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	8,500	<250	
	7/1/2020	1,100	3,100	980	3,500	310	<50	<50	<0.020	--	<500	110J	<50	<50	<1,000	<5,000	4,100	<250	
10/13/2022	6,600	16,000	2,100	9,100	440	42J	<100	<0.020	--	<1,000	<2,000	130	<100	<2,000	<10,000	20,000	<500		
02314-MW14	9/29/2014	0.89J	5.9	0.99J	6.9	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	100	<5.0	
	1/3/2017																		
	3/5/2018																		
	12/27/2018																		
	7/1/2020																		
02314-MW15	9/29/2014	2,800	12,000	750	5,900	120J	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	5,100	<1,000	
	1/3/2017	8,300	37,000	2,800	19,000	570	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	37,000	<1,000	
	3/6/2018	5,300	17,000	2,000	8,600	340	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	10,000	<1,000	
	12/27/2018	5,100	26,000	1,900	13,000	480	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	31,000	<1,000	
	7/1/2020	4,500	28,000	2,100	16,000	490	<200	<200	<0.019	--	<2,000	160J	<200	<200	<4,000	<20,000	24,000	<1,000	
10/13/2022	1,400	4,500	980	3,300	230	<50	<50	<0.021	--	<500	<1,000	<50	<50	<1,000	<5,000	3,600	<250		
02314-MW15 (DUP)	10/13/2022	1,000H	4,100H	850H	3,200H	38	<1.0	<1.0	<0.020	--	<10	36	1.7	<1.0	<20	<100	3,000	<5.0	

TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERAW, SOUTH CAROLINA TERRY PROJECT #2171.9N SCDHEC UST PERMIT #02314																			
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSI	--	5	1,600	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-MW16	11/9/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW17	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	11/6/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	Dry																	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW18	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	Insufficient Volume to Collect Sample																	
	11/6/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW19	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	Insufficient Volume to Collect Sample																	
	11/6/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
02314-MW20	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	11/6/2014	4100	15,000	1,500	8,300	320	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	78,000	<4,000	<1,000	
02314-MW21	1/3/2017	5,800	19,000	1,600	8,900	230	<100	<100	--	--	<1,000	<2,000	190	<100	<2,000	1,500,000	5,400	<500	
	3/6/2018	Free Product (0.20 ft.)																	
	12/26/2018	Free Product (-3.0 ft.)																	
	7/1/2020	Free Product (1.52 ft.)																	
	10/12/2022	Free Product (0.95 ft.)																	
02314-MW22	11/6/2014	1,300	3,300	320	2,000	76	41	<20	--	--	<200	<400	68	<20	<400	<2,000	1,500	<100	
	1/3/2017	6,600	19,000	1,600	9,700	220	<100	<100	--	--	<1,000	<2,000	753	<100	<2,000	<10,000	18,000	<500	
	3/6/2018	2,300	3,600	350	4,200	180	<50	<50	<0.019	--	<500	<1,000	433	<50	<1,000	<5,000	4,600	<250	
	12/27/2018	3,300	6,600	840	4,300	220	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	9,900	<250	
	7/1/2020	3,800	11,000	1,500	8,200	300	<100	<100	<0.020	--	<1,000	3103	693	<100	<2,000	<10,000	12,000	<500	
02314-MW23	10/12/2022	2,900	5,200	1,200	7,300	370	<50	<50	<0.020	--	<500	<1,000	483	<50	<1,000	<5,000	7,000	<250	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	6.73	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW24	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	19	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW25	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	2/2/2015	1,600	5,000	540	4,000	<100	<100	<100	<0.019	16	<1,000	<2,000	<100	<100	<2,000	<10,000	2,700	<500	
	1/3/2017	900	2,200	300	2,300	62	<50	<50	--	--	<500	<1,000	<50	<50	<1,000	<5,000	2,300	<250	
02314-MW26	3/6/2018	1,800	5,500	520	3,200	110	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	6,800	<250	
	12/27/2018	1,800	5,900	660	3,900	120	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	6,700	<250	
	7/1/2020	2,000	8,200	750	4,300	130	<100	<100	<0.019	--	<1,000	967	<100	<100	<2,000	<10,000	7,000	<500	
	10/12/2022	1,300	4,300	440	2,400	140	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	4,500	<250	
	2/2/2015	2.1	<1.0	<1.0	0.813	<1.0	<1.0	<1.0	<0.019	4.37	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW27	1/3/2017	Not Sampled																	
	3/5/2018	4,600	11,000	740	4,000	913	<100	<100	<0.019	--	<1,000	<2,000	483	<100	<2,000	<10,000	3,400	<500	
	12/26/2018	2,200	9,400	780	3,900	873	<100	<100	<0.020	--	<1,000	<2,000	<100	<100	<2,000	<10,000	3,700	<500	
	7/1/2020	3,900	18,000	1,400	7,600	200	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	5,600	<1,000	
	10/12/2022	3,700	12,000	1,300	6,600	230	<100	<100	<0.020	--	<1,000	<2,000	<100	<100	<2,000	<10,000	3,300	<500	

TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERAW, SOUTH CAROLINA TERRY PROJECT #2171.9N SCDHEC USE PERMIT #02314																			
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL		5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-RW25	2/2/2015	0.34J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	34	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	220	<5.0	<5.0	90	9.1	<5.0	<5.0	<0.019	--	<50	<100	3.2J	<5.0	<100	<500	620	<25	
	12/27/2018	1,200	41	36	600	52	<10	<10	<0.020	--	<100	110J	16	<10	<200	<1,000	4,500	<50	
	7/1/2020	290	2.5J	<5.0	220	14	<5.0	8.5	<0.019	--	<50	30J	2.9J	<5.0	<100	<500	2,000	<25	
10/12/2022	210	<20	<1.0	92	8.3	<1.0	<1.0	<0.021	--	<10	18J	2.6	<1.0	<20	<100	1,200	<5.0		
02314-RW26	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<10	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-RW27	2/2/2015	3.1	<1.0	<1.0	3.4	<1.0	<1.0	<1.0	<0.019	9.8J	<10	<20	<1.0	<1.0	<20	<100	24	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	240	6.4	4.4J	33	4.8J	<5.0	<5.0	<0.019	--	<50	52J	4.8J	<5.0	<100	<500	1,200	<25	
	12/27/2018	380	7.5	2.2J	28	8.5	<5.0	<5.0	<0.020	--	<50	55J	<5.0	<5.0	<100	<500	1,700	<25	
	7/1/2020	380	<5.0	10	2.2J	2.7J	3.1J	<5.0	<0.020	--	<50	71J	11	<5.0	<100	<500	2,100	<25	
10/12/2022	340	2.8J	31	12	6.6	<5.0	<5.0	<0.020	--	<50	60J	8.9	<5.0	<100	<500	2,100	<25		
02314-RW28	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-RW29	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-RW30	10/12/2022	590	20	37	18	12	<10	<10	<0.021	--	<100	<200	5.4J	<10	<200	<1,000	1,900	<50	
02314-DW1	9/29/2014	0.20J	0.85J	<1.0	0.38J	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	0.42J	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	0.56J	<1.0	1.1	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-DW2	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	13	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	1.7	1.5	<1.0	0.53J	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	1.6	<1.0	2.2	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-DW3	2/2/2015	46	7.8	0.61J	24	1.3	<1.0	<1.0	<0.019	<10	<10	<20	<1.0	<1.0	<20	<100	24	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	0.79J	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	2.1	3.1	0.96J	7.1	1.4	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-RW1	1/3/2017	15,000	45,000	2,800	19,000	550	310J	<500	--	--	280J	<10,000	1,400	<500	<10,000	<50,000	49,000	<2,500	
	3/6/2018	Free Product (0.29 fl.)																	
	12/28/2018	11,000	32,000	1,800	16,000	810	160J	<200	2.8	--	190J	<4,000	1,900	<200	<4,000	770,000	48,000	<1,000	
	7/1/2020	11,000	32,000	1,500	18,000	660	<500	<500	3.3	--	<5,000	630J	710	<500	<10,000	500,000	44,000	<2,500	
	10/12/2022	1,700	8,000	550	4,400	130	4.9J	<10	0.19	--	<100	<200	39	<10	<200	1,700	4,300	<50	
02314-RW2	1/3/2017	7,900	24,000	2,200	13,000	280	150J	<200	--	--	<2,000	<4,000	220	<200	<4,000	140,000	15,000	<1,000	
	3/6/2018	Free Product (1.30 fl.)																	
	12/28/2018	7,900	38,000	3,100	17,000	610	<200	<200	<0.019	--	<2,000	<4,000	<200	<200	<4,000	240,000	5,400	<1,000	
	7/1/2020	6,600	20,000	1,900	11,000	400	<200	<200	<0.019	--	<2,000	440J	220	<200	<4,000	51,000	15,000	<1,000	
	10/12/2022	2,900	5,600	750	4,600	190	46J	<50	<0.020	--	<500	<1,000	130	<50	<1,000	<5,000	20,000	<250	
02314-RW3	1/3/2017	Not Sampled																	
	8/5/2018	1,600	7,500	900	5,000	64J	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	1,300J	<500	
	12/27/2018	4,400	18,000	1,500	9,200	280	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	23,000	<500	
	7/1/2020	1,200	4,300	400	3,700	95	<50	<50	<0.020	--	<500	100J	<50	<50	<1,000	<5,000	8,600	<250	
	10/12/2022	27	25	5.3	43	0.52J	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	8.8J	<5.0	



**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
TERRY PROJECT #2171.9N  
SCDHEC USE PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-RW4	12/27/2018	11,000	47,000	3,700	20,000	520	<500	<500	<0.020	--	<5,000	<10,000	<500	<500	<10,000	2,500,000	32,000	<2.500	
	7/1/2020	7,500	24,000	2,100	11,000	280	<200	<200	<0.020	--	<2,000	480J	110J	<200	<4,000	220,000	20,000	<1,000	
	10/13/2022																		
Free Product (0.60 B.)																			
02314-RW5	12/27/2018	7,000	31,000	3,600	21,000	630	<200	<200	<0.020	--	<2,000	<4,000	190J	<200	<4,000	490,000	8,700	<1,000	
	7/1/2020	5,500	24,000	2,900	19,000	680	<500	<500	<0.019	--	<5,000	<10,000	<500	<500	<10,000	<50,000	<10,000	<2,500	
	10/13/2022	1,000	1,600	400	1,900	110	5.1J	<10	<0.020	--	<100	88J	18	<10	<200	2,700	5,400	<50	
02314-RW5 (DUP)	12/28/2013	<1.00	<1.00	<1.00	<3.00	<5.00	<1.00	<1.00	<0.010	--	<5.00	<10.0	<5.00	<5.00	<100	<1,000	<20.0	<50.0	
	9/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017																		
02314-SW1	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/27/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/28/2013																		
	9/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017																		
02314-SW2	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	150	<20	<5.0	
	12/27/2018																		
	6/30/2020																		
	10/13/2022																		
		12/28/2018	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0097	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
02314-SW1	7/1/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0098	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/13/2022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0098	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-SW1 (DUP)	10/13/2022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.010	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0		
02314-FB1	10/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-FB2	10/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-TB	10/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-TB	10/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-SW1 FB1	10/13/2022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0099	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-TB	10/13/2022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	

**NOTES-KEY:**

-- = Not tested and analyzed  
RBSL = Risk-Based Screening Level  
ug/L = micrograms per liter  
mg/L = milligrams per liter  
H = Out of holding time  
J = Estimated value  
P = The RPD between two GC columns exceeds 40%  
S = MSMSD failure

MTBE = Methyl tertiary butyl ether  
1,2-DCA = 1,2-Dichloroethane  
EDB = 1,2-Dibromoethane  
TAME = *n*-amyl methyl ether or *tert*-Amyl methyl ether  
TBA = *n*-butanol or *tert*-Butyl Alcohol  
DIPE = diisopropyl Ether or Isopropyl ether  
ETBE = Ethyl *tert*-butyl ether

ETBA = ethyl *tert*-butanol or 3,3-Dimethyl-1-butanol  
TAA = *tert*-amyl alcohol  
TBF = *tert*-butyl formate  
FB = Field Blank  
TB = Trip Blank  
DUP = Duplicate

**Bold** lettering indicates parameter exceeds SCDHEC RBSL's except 1,2-DCA which is based on EPA limit

## **J. FIGURES**

### **1. Topographic Map**

Figure 1 Topographic Map - Attached

### **2. Site Base Map**

Figure 2 Site Base Map - Attached

### **3. CoC Site Maps**

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

### **4. Site Potentiometric Maps**

Figure 5A Site Potentiometric Map (Shallow) – Attached

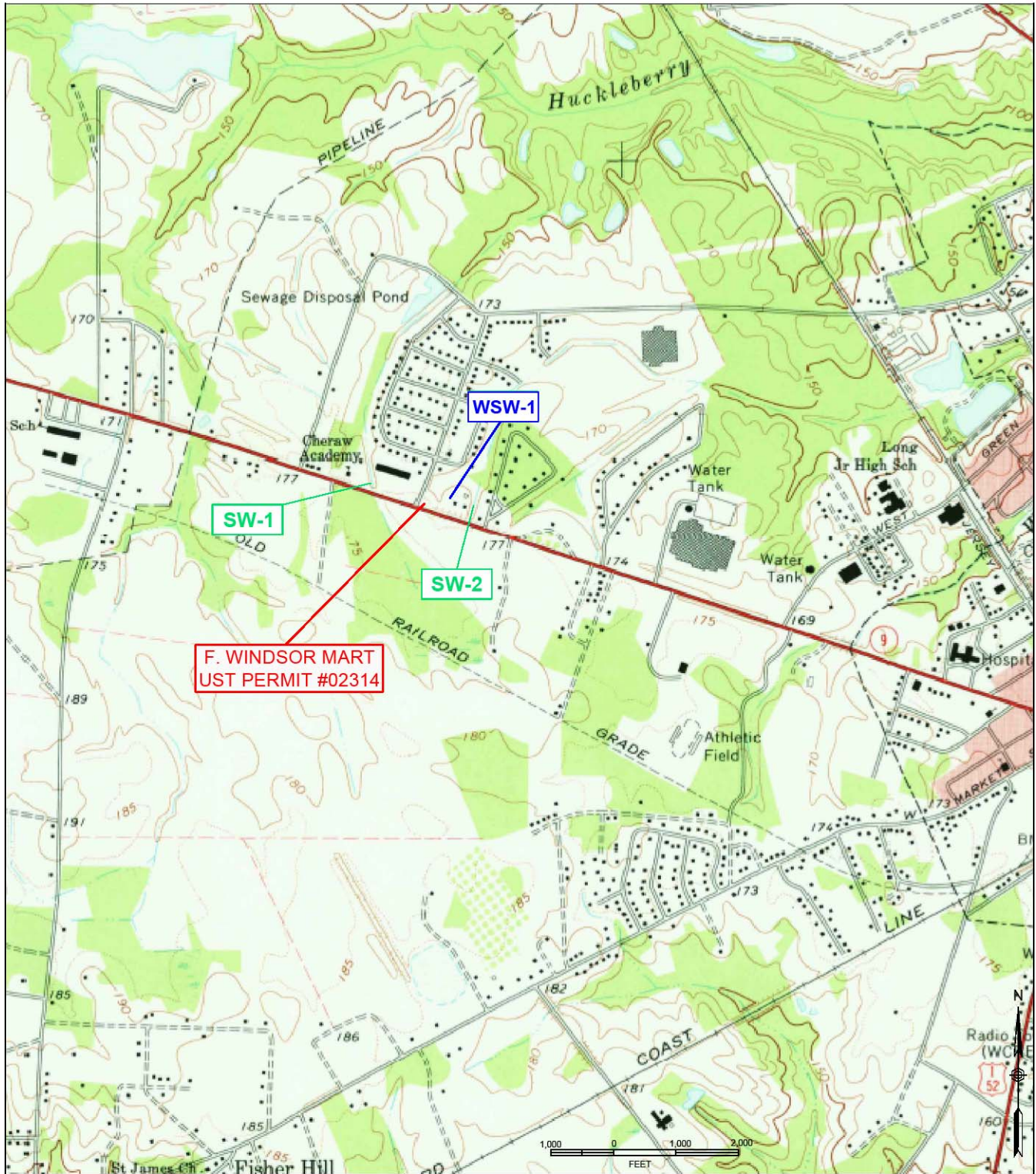
Figure 5B Site Potentiometric Map (Deep) - Attached

### **5. Geologic Cross Sections**

Figure 6 Geologic Cross Sections - Not Applicable

### **6. Predicted Migration and Attenuation of CoCs**

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE  
B

TERRY Project No.  
2171.9N

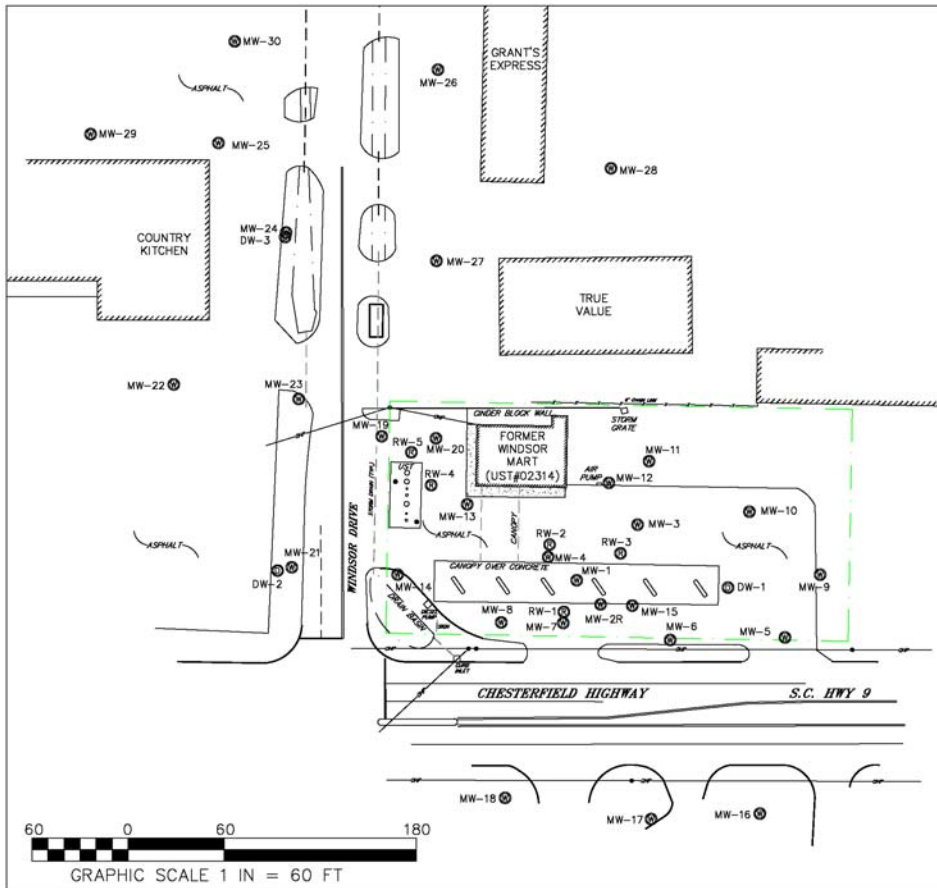
DWG NO.

Figure 1 Topo Map

REV

SCALE: As Shown

DATE: November 2022



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)

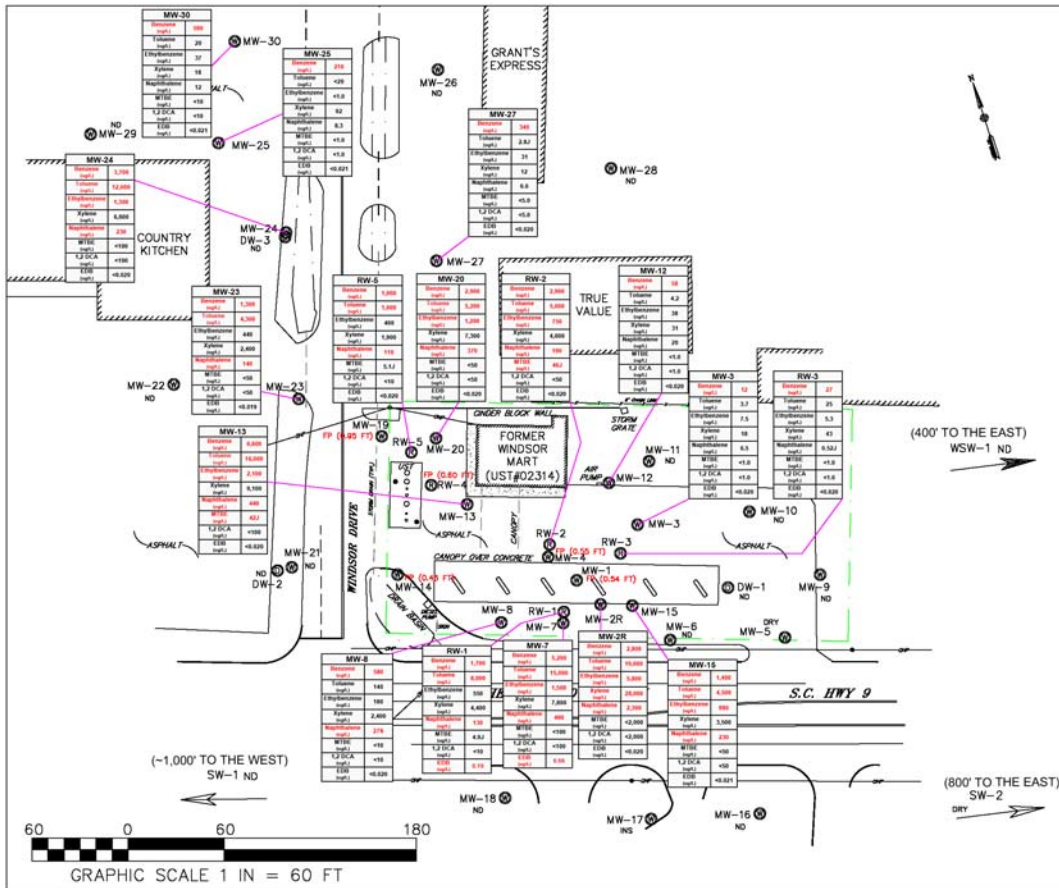


**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9N	02314
SCALE 1" = 60'	DATE November 2022



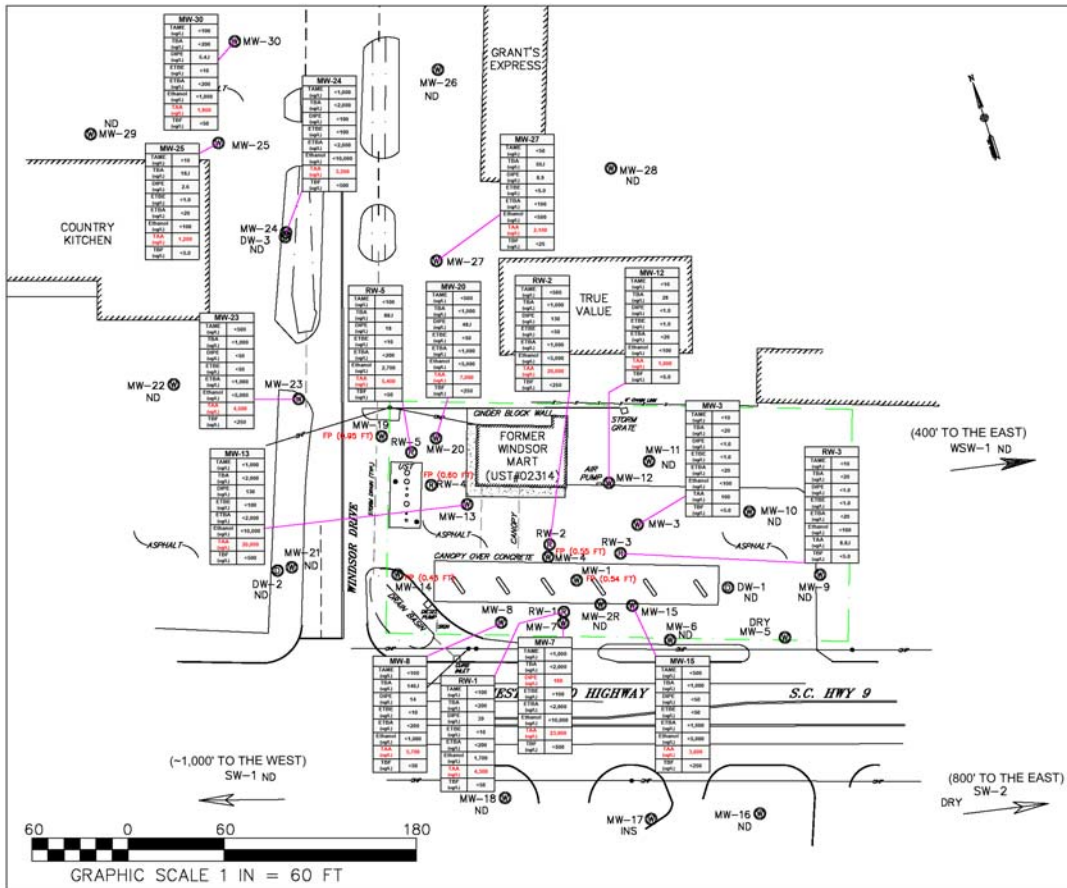


**TERRY ENVIRONMENTAL SERVICES**  
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**FIGURE 4A**  
**GROUNDWATER COC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

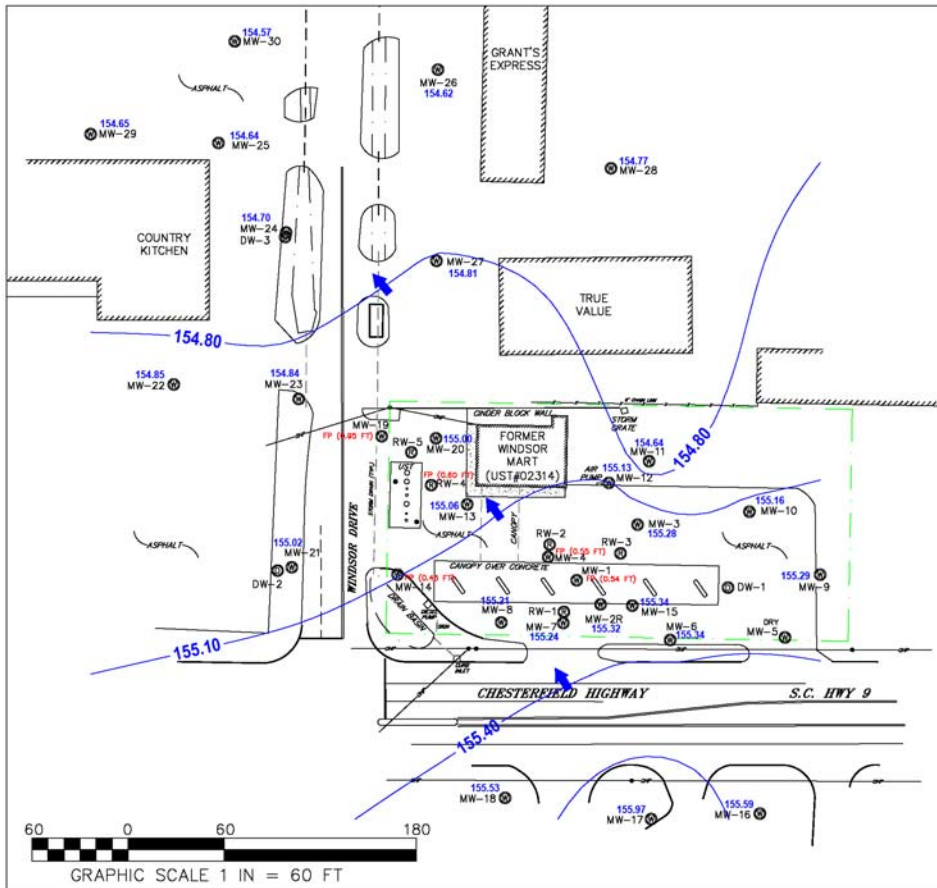
TERRY PROJECT #	SCDHEC SITE ID #
2171.9N	02314
SCALE 1" = 60'	DATE November 2022



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**FIGURE 4B**  
**GROUNDWATER COC MAP**  
**OXYGENATES**  
 Maruti Kundal (Former Windsor Mart)  
 820 Chesterfield Highway  
 Cheraw, South Carolina

TERRY PROJECT #	SCONEC SITE ID #
2171.9N	02314
SCALE 1" = 60'	DATE November 2022



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- BUILDING

FP = FREE PRODUCT

- 155.32 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
- 155.10- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

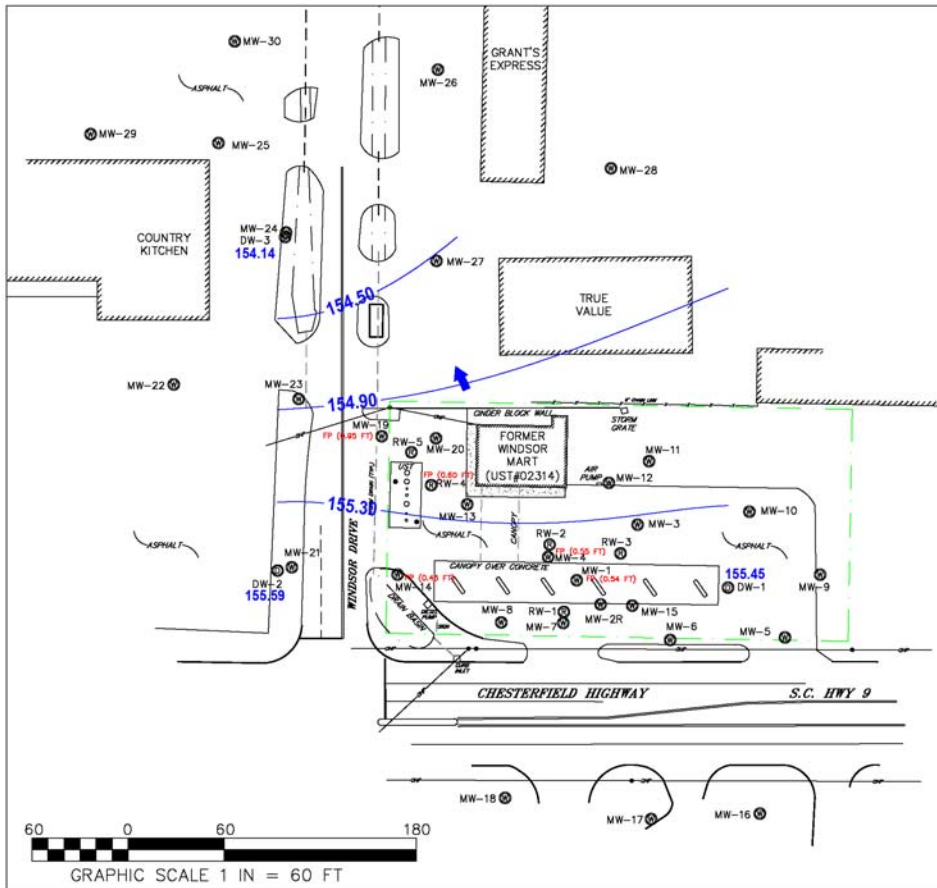
MEASUREMENTS COLLECTED ON OCTOBER 12-13, 2022  
 All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)



**FIGURE 5A**  
**SITE POTENTIOMETRIC MAP (SHALLOW)**

Maruti Kundal (Former Windsor Mart)  
 820 Chesterfield Highway  
 Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.9N	02314
SCALE 1" = 60'	DATE November 2022



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- BUILDING

FP = FREE PRODUCT

155.45 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)

154.90 GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

MEASUREMENTS COLLECTED ON OCTOBER 12-13, 2022

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)



**FIGURE 5B  
SITE POTENTIOMETRIC MAP (DEEP)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCOHCC SITE ID #
2171.9N	02314
SCALE 1" = 60'	DATE November 2022



## **K. APPENDICES**

### **1. Appendix A: Site Survey**

Not Applicable

### **2. Appendix B: Sampling Logs and Laboratory Data**

### **3. Appendix C: Tax Map**

Not Applicable

### **4. Appendix D: Soil Boring/Field Screening Logs**

Not Applicable

### **5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms**

Not Applicable

### **6. Appendix F: Aquifer Evaluation Forms**

Not Applicable

### **7. Appendix G: Disposal Manifest**

### **8. Appendix H: Local Zoning Regulations**

Not Applicable

### **9. Appendix I: Fate and Transport Modeling Data**

Not Applicable

### **10. Appendix J: Access Agreements**

Not Applicable

### **11. Appendix K: Data Verification Checklist**


**APPENDIX A**

**Site Survey  
(Not Applicable)**

## **APPENDIX B**

### **Sampling Logs and Laboratory Data**

**Groundwater Sampling Log**

				P.O. Box 25 Summerville, SC 29484 1-800-325-0605			
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9N		Well ID		02314 - MW-1	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/13/2022		Well Diameter		2 in	
Field Personnel		LJ AB		Screened Interval		10-20 ft	
General Weather		cloudy		Total Well Depth (nearest 0.1')		ft	
Ambient Air Temperature		75		Depth to Groundwater (nearest 0.01')		19.03 ft	
<b>Quality Assurance</b>				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?							
-well cap acceptable?				Free product 18.49-19.03 (c.st)			
-manhole and cover acceptable?				brown product			
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information					Monitoring Well Information								
Terry Project ID		2171.9N			Well ID		02314 - MW-2R						
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB						
Project Name		Maruti Kundal (Former Windsor Mart)											
Date		10 / 13 / 2022											
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'				
General Weather		overcast			Screened Interval		10.3-20.3	ft					
Ambient Air Temperature		70			Total Well Depth (nearest 0.1')		19.8	ft					
Quality Assurance					Depth to Groundwater (nearest 0.01')		19.60	ft					
Meter		Horiba U-52-2		Meter		Horiba U-52-2		Length of Water Column		1.20	ft		
Serial Number		VPTPGA3X		or		Serial Number		V3KNWUE9		1 Casing Volume (0.163)		0.20	ft
Calibration Constant		4.00 su				Calibration Constant		4.00 su		3 Casing Volumes (0.489)		0.59	gals
Calibration Constant		4.49 mS/cm				Calibration Constant		4.49 mS/cm		Total Volume Purged		0.75	gals
Calibration Constant		0.0 NTU				Calibration Constant		0.0 NTU		Purge Technique Utilized (bailer, pump)			
Last Calibration (time)		0820				Last Verification (time)				Well Yield Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial	0.25	0.5	0.75									
Time (military)	1018	1021	1024	1029									
pH (su)	5.00	5.23	5.27	5.26									
Spec Conductivity (mS/cm)	0.111	0.114	0.117	0.116									
Water Temperature (°C)	24.0	23.9	24.2	24.3									
Turbidity (NTU)	659	802	821	829									
Dissolved Oxygen (mg/L)	5.34	4.16	4.20	4.24									
Well Condition Information					Additional Comments								
-overall condition acceptable?					very heavy petroleum sheen								
-well cap acceptable?													
-manhole and cover acceptable?													
-well pad acceptable?													
-area safe?													
-other comments													



**Groundwater Sampling Log**



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Site Specific Information					Monitoring Well Information																																																
Terry Project ID		2171.9N			Well ID		02314 - MW-3																																														
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB																																														
Project Name		Maruti Kundal (Former Windsor Mart)																																																			
Date		10/12/2022																																																			
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'																																												
General Weather		cloudy			Screened Interval		10-20	ft																																													
Ambient Air Temperature		70 °			Total Well Depth (nearest 0.1')		19.8	ft																																													
<b>Quality Assurance</b> <table border="1"> <tr> <td>Meter</td> <td>Horiba U-52-2</td> <td>Meter</td> <td>Horiba U-52-2</td> <td>Length of Water Column</td> <td>3.65</td> <td>ft</td> </tr> <tr> <td>Serial Number</td> <td>VPTGA3X</td> <td>Serial Number</td> <td>V3KNWUE9</td> <td>1 Casing Volume (0.163)</td> <td>0.60</td> <td>ft</td> </tr> <tr> <td>Calibration Constant</td> <td>4.00 su</td> <td>Calibration Constant</td> <td>4.00 su</td> <td>3 Casing Volumes (0.489)</td> <td>1.78</td> <td>gals</td> </tr> <tr> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td>Total Volume Purged</td> <td>1.25</td> <td>gals</td> </tr> <tr> <td>Calibration Constant</td> <td>0.0 NTU</td> <td>Calibration Constant</td> <td>0.0 NTU</td> <td>Purge Technique Utilized</td> <td colspan="2">bailey pump</td> </tr> <tr> <td>Last Calibration (time)</td> <td>1145</td> <td>Last Verification (time)</td> <td>1545</td> <td>Well Yield</td> <td>Low <input checked="" type="checkbox"/></td> <td>Medium <input type="checkbox"/></td> <td>High <input type="checkbox"/></td> <td>19.8</td> </tr> </table>					Meter	Horiba U-52-2	Meter	Horiba U-52-2		Length of Water Column	3.65	ft	Serial Number	VPTGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.60	ft	Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)	1.78	gals	Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged	1.25	gals	Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized	bailey pump		Last Calibration (time)	1145	Last Verification (time)	1545	Well Yield	Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>	19.8	Depth to Groundwater (nearest 0.01')		16.15	ft
					Meter	Horiba U-52-2	Meter	Horiba U-52-2		Length of Water Column	3.65	ft																																									
Serial Number	VPTGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.60	ft																																															
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)	1.78	gals																																															
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged	1.25	gals																																															
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized	bailey pump																																																
Last Calibration (time)	1145	Last Verification (time)	1545	Well Yield	Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>	19.8																																													
					Total Well Depth (nearest 0.1')		19.8	ft																																													
					Length of Water Column		3.65	ft																																													
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					Total Volume Purged		1.25	gals																																													
					Purge Technique Utilized		bailey pump																																														
					Well Yield		Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>																																												
Volume (gal)	initial	0.75	1	1.25																																																	
Time (military)	1840	1843	1845	1854																																																	
pH (su)	5.29	5.68	5.72	6.14																																																	
Spec Conductivity (mS/cm)	0.708	0.969	0.960	0.953																																																	
Water Temperature (°C)	23.5	23.4	23.5	23.4																																																	
Turbidity (NTU)	16.7	924	768	318																																																	
Dissolved Oxygen (mg/L)	3.26	2.91	2.50	1.21																																																	
<b>Well Condition Information</b>					<b>Additional Comments</b>																																																
-overall condition acceptable?		TOL > 1' below vault lid			purged dry @ 1 gal - recharge and sample																																																
-well cap acceptable?		replaced																																																			
-manhole and cover acceptable?		full of water and sediment																																																			
-well pad acceptable?																																																					
-area safe?																																																					
-other comments																																																					

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9N		Well ID		02314 - MW-4	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/13/2022					
Field Personnel		LJ AB		Well Diameter		2	in
General Weather		cloudy		Screened Interval		10-20	ft
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')			ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		18.65	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
Well Condition Information				Additional Comments			
-overall condition acceptable?				dark amber free product 18.10-18.65 (0.55')			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

NS - Free Product

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				P.O. Box 25 Summerville, SC 29484 1-800-325-0605								
				<p align="center"><b>Site Specific Information</b></p>				<p align="center"><b>Monitoring Well Information</b></p>				
Terry Project ID		2171.9N		Well ID		02314 - <b>MW-5</b>						
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB						
Project Name		Maruti Kundal (Former Windsor Mart)										
Date		10/12/2022										
Field Personnel		LS AB		Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'				
General Weather		clear		Screened Interval		9.9-19.9	ft					
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		19.9	ft					
<p align="center"><b>Quality Assurance</b></p>				Depth to Groundwater (nearest 0.01')		Dry				ft		
				Meter: Horiba U-52-2 Serial Number: VPTPGA3X Calibration Constant: 4.00 su Calibration Constant: 4.49 mS/cm Calibration Constant: 0.0 NTU Last Calibration (time):		or Meter: Horiba U-52-2 Serial Number: V3KNWUE9 Calibration Constant: 4.00 su Calibration Constant: 4.49 mS/cm Calibration Constant: 0.0 NTU Last Verification (time):				Length of Water Column 1 Casing Volume (0.163) 3 Casing Volumes (0.489) Total Volume Purged		
				Purge Technique Utilized (bailer, pump)								
				Well Yield		Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	19.9
Volume (gal)												
Time (military)												
pH (su)												
Spec Conductivity (mS/cm)												
Water Temperature (°C)												
Turbidity (NTU)												
Dissolved Oxygen (mg/L)												
<p align="center"><b>Well/Condition Information</b></p>						<p align="center"><b>Additional Comments</b></p>						
-overall condition acceptable?												
-well cap acceptable?												
-manhole and cover acceptable?												
-well pad acceptable?												
-area safe?												
-other comments												



**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID	2171.9N			Well ID	02314 - MW-6		
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Maruti Kundal (Former Windsor Mart)						
Date	10/12/2022						
Field Personnel	LJ AB			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather	clear			Screened Interval	16.1-20.1	ft	
Ambient Air Temperature	70			Total Well Depth (nearest 0.1')	20.1	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')	19.23	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	0.87	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.14	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	0.43	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.1
Volume (gal)	initial						
Time (military)	1329						
pH (su)		Insufficient volume for parameters					
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
Well Condition Information				Additional Comments			
-overall condition acceptable?				very limited recharge - only sufficient to fill			
-well cap acceptable?				sample vials			
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9N		Well ID		02314 - MW-7	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/13/2022					
Field Personnel		LJ AB		Well Diameter		2	in
General Weather		overcast		Screened Interval		10.3-20.3	ft
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		20.3	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		1.34	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.218	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		0.654	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		0.75	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey pump)			
Last Calibration (time)	0900	Last Verification (time)		Well Yield		Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.3
Volume (gal)	initial	0.25	0.5	0.75			
Time (military)	0950	0952	0954	1000			
pH (su)	4.80	4.64	4.66	4.67			
Spec Conductivity (mS/cm)	0.105	0.094	0.094	0.096			
Water Temperature (°C)	23.9	23.9	24.0	24.1			
Turbidity (NTU)	502	650	629	631			
Dissolved Oxygen (mg/L)	2.28	4.02	3.90	3.88			
Well Condition Information				Additional Comments			
-overall condition acceptable?				moderate petrol sheen			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.9N			Well ID	02314 - MW-8			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	10/13/2022							
Field Personnel	LJ AB			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	overcast			Screened Interval	10.3-20.3	ft		
Ambient Air Temperature	65			Total Well Depth (nearest 0.1')	20.3	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	18.58	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	1.72		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.28	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	0.84	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	1.5	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized	Bailey pump		
Last Calibration (time)	0800		Last Verification (time)		Well Yield	Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	initial	0.5	1	1.5				20.3
Time (military)	0932	0934	0937	0943				
pH (su)	5.27	5.27	5.32	5.35				
Spec Conductivity (mS/cm)	0.134	0.133	0.136	0.138				
Water Temperature (°C)	23.0	23.3	23.5	23.5				
Turbidity (NTU)	0.0	852	814	421				
Dissolved Oxygen (mg/L)	6.29	3.83	3.75	3.70				
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**




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Site Specific Information					Monitoring Well Information							
Terry Project ID		2171.9N			Well ID		02314 - MW-9					
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB					
Project Name		Maruti Kundal (Former Windsor Mart)										
Date		10/12/2022										
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
General Weather		clear			Screened Interval		9.9-19.9	ft				
Ambient Air Temperature		20			Total Well Depth (nearest 0.1')		19.9	ft				
Quality Assurance					Depth to Groundwater (nearest 0.01')		17.43	ft				
Meter		Horiba U-52-2		Meter		Horiba U-52-2		Length of Water Column		2.47	ft	
Serial Number		VPTPGA3X		Serial Number		V3KNWUE9		1 Casing Volume (0.163)		0.40	ft	
Calibration Constant		4.00 su		Calibration Constant		4.00 su		3 Casing Volumes (0.489)		1.21	gals	
Calibration Constant		4.49 mS/cm		Calibration Constant		4.49 mS/cm		Total Volume Purged		1	gals	
Calibration Constant		0.0 NTU		Calibration Constant		0.0 NTU		Purge Technique Utilized (bailer/pump)		19.9		
Last Calibration (time)		1145		Last Verification (time)				Well Yield		Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	initial	0.5	0.75	1								
Time (military)	1244	1247	1248	1256								
pH (su)	4.10	3.98	4.10	4.11								
Spec Conductivity (mS/cm)	0.088	0.088	0.088	0.090								
Water Temperature (°C)	22.5	22.6	22.8	22.4								
Turbidity (NTU)	30.8	89.4	73.8	230								
Dissolved Oxygen (mg/L)	6.03	6.49	6.00	5.17								
Well Condition Information					Additional Comments							
-overall condition acceptable?					purged dry @ 0.75 gal. recharge and sample							
-well cap acceptable?												
-manhole and cover acceptable?												
-well pad acceptable?												
-area safe?												
-other comments												

**Groundwater Sampling Log**

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				<p align="center"><b>Site Specific Information</b></p> Terry Project ID: 2171.9N SCDHEC Permit No.: 02314 Project Name: Maruti Kundal (Former Windsor Mart) Date: 10/12/2022 Field Personnel: LJ AB General Weather: clear Ambient Air Temperature: 70				<p align="center"><b>Monitoring Well Information</b></p> Well ID: 02314-MW-10 Testing Parameters: BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB Well Diameter: 2 in Screened Interval: 10.3-20.3 ft Total Well Depth (nearest 0.1'): 20.4 ft Depth to Groundwater (nearest 0.01'): 16.93 ft																																																
<p align="center"><b>Quality Assurance</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Meter</td> <td>Horiba U-52-2</td> <td>or</td> <td>Meter</td> <td>Horiba U-52-2</td> <td>Length of Water Column</td> <td>3.47</td> <td>ft</td> </tr> <tr> <td>Serial Number</td> <td>VPTPGA3X</td> <td></td> <td>Serial Number</td> <td>V3KNWUE9</td> <td>1 Casing Volume (0.163)</td> <td>0.57</td> <td>ft</td> </tr> <tr> <td>Calibration Constant</td> <td>4.00 su</td> <td></td> <td>Calibration Constant</td> <td>4.00 su</td> <td>3 Casing Volumes (0.489)</td> <td>1.70</td> <td>gals</td> </tr> <tr> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td></td> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td>Total Volume Purged</td> <td>3.75</td> <td>gals</td> </tr> <tr> <td>Calibration Constant</td> <td>0.0 NTU</td> <td></td> <td>Calibration Constant</td> <td>0.0 NTU</td> <td colspan="3">Purge Technique Utilized (bailer, pump)</td> </tr> <tr> <td>Last Calibration (time)</td> <td>1145</td> <td></td> <td>Last Verification (time)</td> <td></td> <td>Well Yield</td> <td>Low <input type="checkbox"/></td> <td>Medium <input checked="" type="checkbox"/></td> <td>High <input type="checkbox"/></td> </tr> </table>				Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	3.47	ft	Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.57	ft	Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	1.70	gals	Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	3.75	gals	Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	3.47	ft																																																	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.57	ft																																																	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	1.70	gals																																																	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	3.75	gals																																																	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)																																																			
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>																																																
Volume (gal)	initial	0.75	1.5	2.25	3	3.75																																																		
Time (military)	1230	1232	1234	1236	1237	1240																																																		
pH (su)	5.43	4.60	4.33	4.26	4.24	4.18																																																		
Spec Conductivity (mS/cm)	0.096	0.098	0.098	0.100	0.102	0.102																																																		
Water Temperature (°C)	24.1	24.1	24.1	24.0	23.6	23.7																																																		
Turbidity (NTU)	4.4	9.6	9.50	9.39	9.50	7.90																																																		
Dissolved Oxygen (mg/L)	7.58	6.20	6.55	6.38	6.13	4.44																																																		
<p align="center"><b>Well Condition Information</b></p> -overall condition acceptable? -well cap acceptable? -manhole and cover acceptable? -well pad acceptable? -area safe? -other comments				<p align="center"><b>Additional Comments</b></p> 20.4																																																				

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID	2171.9N			Well ID	02314 - MW-011		
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Maruti Kundal (Former Windsor Mart)						
Date	10/12/2022						
Field Personnel	LJAB			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather	clear			Screened Interval	10.1-20.1	ft	
Ambient Air Temperature	70			Total Well Depth (nearest 0.1')	19.9	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')	17.43	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	2.47	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.40	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	1.21	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	1.5	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		19.9
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)	initial	0.5	1	1.5			
Time (military)	1303	1305	1307	1310			
pH (su)	4.18	4.12	4.12	4.13			
Spec Conductivity (mS/cm)	0.083	0.086	0.087	0.086			
Water Temperature (°C)	23.3	23.3	23.4	23.2			
Turbidity (NTU)	27.1	6.81	7.00	7.04			
Dissolved Oxygen (mg/L)	6.37	6.72	6.54	6.58			
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



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Site Specific Information					Monitoring Well Information				
Terry Project ID	2171.9N				Well ID	02314 - MW-12			
SCDHEC Permit No.	02314				Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)								
Date	10/12/2022								
Field Personnel	LJ, AB				Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	cloudy				Screened Interval	10.3-20.3	ft		
Ambient Air Temperature	70.8				Total Well Depth (nearest 0.1')	20.4	ft		
Quality Assurance					Depth to Groundwater (nearest 0.01')	17.41	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	2.99	ft		
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.49	ft		
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	1.46	gals		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	1	gals		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (Bailer, pump)				
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield	Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>	
Volume (gal)	initial	0.5	0.75	1	20.4				
Time (military)	1827	1830	1831	1837					
pH (su)	5.01	5.15	5.28	5.30					
Spec Conductivity (mS/cm)	0.102	0.121	0.129	0.128					
Water Temperature (°C)	23.3	23.3	23.0	23.1					
Turbidity (NTU)	0.0	7.01	8.35	4.58					
Dissolved Oxygen (mg/L)	8.37	5.02	5.22	2.32					
Well Condition Information					Additional Comments				
-overall condition acceptable?					purged dry @ 0.75 gal. recharge and sample				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**




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Site Specific Information					Monitoring Well Information				
Terry Project ID		2171.9N			Well ID		02314 - MW-13		
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		10/13/2022							
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather		cloudy			Screened Interval		10.3-20.3	ft	
Ambient Air Temperature		75			Total Well Depth (nearest 0.1')		20.2	ft	
Quality Assurance					Depth to Groundwater (nearest 0.01')		17.58	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		2.62	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.43	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		1.28	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		2	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	0800		Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	initial	0.5	1.0	1.5	2				20.2
Time (military)	1140	1142	1144	1147	1152				
pH (su)	4.73	4.60	4.65	4.64	4.72				
Spec Conductivity (mS/cm)	0.079	0.079	0.081	0.084	0.085				
Water Temperature (°C)	24.2	24.1	23.9	23.9	23.9				
Turbidity (NTU)	0.2	200	465	456	472				
Dissolved Oxygen (mg/L)	5.18	5.18	3.90	3.81	3.74				
Well Condition Information					Additional Comments				
-overall condition acceptable?					light petrol sheen				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									



**Groundwater Sampling Log**

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				<p align="center"><b>Site Specific Information</b></p>				<p align="center"><b>Monitoring Well Information</b></p>				
Terry Project ID		2171.9N		Well ID		02314 - MW-14						
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB						
Project Name		Maruti Kundal (Former Windsor Mart)										
Date		10/13/2022										
Field Personnel		LJ, AB		Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'				
General Weather		cloudy		Screened Interval		10.3-20.3	ft					
Ambient Air Temperature		70 F		Total Well Depth (nearest 0.1')			ft					
<p align="center"><b>Quality Assurance</b></p>				Depth to Groundwater (nearest 0.01')		18.10	ft					
				Length of Water Column			ft					
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)			ft				
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)			gals				
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged			gals				
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)							
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield		Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>
Last Calibration (time)			Last Verification (time)									
Volume (gal)												
Time (military)												
pH (su)												
Spec Conductivity (mS/cm)												
Water Temperature (°C)												
Turbidity (NTU)												
Dissolved Oxygen (mg/L)												
<p align="center"><b>Well Condition Information</b></p>						<p align="center"><b>Additional Comments</b></p>						
-overall condition acceptable?						Free Product (17.67-19.10) 0.43'						
-well cap acceptable?						dark amber FP						
-manhole and cover acceptable?												
-well pad acceptable?												
-area safe?												
-other comments												

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9N		Well ID		02314 - MW-15	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/13/2022		Well Diameter		2	in
Field Personnel		LJ, AB		Screened Interval		10.3-20.3	ft
General Weather		cloudy		Total Well Depth (nearest 0.1')		20.4	ft
Ambient Air Temperature		75		Depth to Groundwater (nearest 0.01')		18.51	ft
Quality Assurance				Length of Water Column		1.79	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)	0.31	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)	0.92	gals
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged	1.5	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield    Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>		
Last Calibration (time)	0800		Last Verification (time)		20.4		
Volume (gal)	initial	0.5	1.0	1.5			
Time (military)	1119	1121	1124	1127			
pH (su)	5.54	5.62	5.64	5.64			
Spec Conductivity (mS/cm)	0.251	0.272	0.263	0.266			
Water Temperature (°C)	24.1	23.8	23.8	23.7			
Turbidity (NTU)	0.0	340	341	352			
Dissolved Oxygen (mg/L)	5.02	2.27	2.20	2.19			
Well Condition Information				Additional Comments			
-overall condition acceptable?				Dup-1 @ 1129			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9N		Well ID		02314 - MW-16		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		10/12/2022						
Field Personnel		LJ AB		Well Diameter		2	in	
General Weather		clear		Screened Interval		16.26	ft	
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		25.8	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		21.38	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		4.42	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.72	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		2.16	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		2.25	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer) pump			
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	25.8
Volume (gal)	initial	0.75	1.5	2.25				
Time (military)	1431	1435	1437	1440				
pH (su)	4.15	4.02	4.01	4.03				
Spec Conductivity (mS/cm)	0.117	0.139	0.140	0.142				
Water Temperature (°C)	23.2	22.4	22.2	22.1				
Turbidity (NTU)	60.0	90.0	88.3	87.6				
Dissolved Oxygen (mg/L)	6.87	5.83	5.81	5.71				
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.9N		Well ID		02314 - <i>Mw-17</i>		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		<i>10/12/2022</i>						
Field Personnel		<i>LJ AB</i>		Well Diameter		<i>2</i>	in	
General Weather		<i>clear</i>		Screened Interval		<i>10.4-20.4</i>	ft	
Ambient Air Temperature		<i>75</i>		Total Well Depth (nearest 0.1')		<i>20.4</i>	ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		<i>20.16</i>	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		<i>0.24</i>	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		<i>—</i>	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			<i>20.4</i>
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)								
Time (military)								
pH (su)								
Spec Conductivity (mS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								
<b>Well Condition Information</b>				<b>Additional Comments</b>				
-overall condition acceptable?				<i>insufficient water to sample</i>				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

**Groundwater Sampling Log**

<b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605							
				<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9N		Well ID		02314 - <i>MW-18</i>					
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB					
Project Name		Maruti Kundal (Former Windsor Mart)									
Date		<i>10/12/2022</i>									
Field Personnel		<i>LJ, AB</i>		Well Diameter		<i>2</i>	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
General Weather		<i>clear</i>		Screened Interval		<i>14.6-24.6</i>	ft				
Ambient Air Temperature		<i>75</i>		Total Well Depth (nearest 0.1')		<i>24.4</i>	ft				
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		<i>20.06</i>	ft				
Meter		Horiba U-52-2		Meter		Horiba U-52-2				Length of Water Column	
Serial Number		VPTPGA3X		Serial Number		V3KNWUE9		1 Casing Volume (0.163)			
Calibration Constant		4.00 su		Calibration Constant		4.00 su		3 Casing Volumes (0.489)			
Calibration Constant		4.49 mS/cm		Calibration Constant		4.49 mS/cm		Total Volume Purged			
Calibration Constant		0.0 NTU		Calibration Constant		0.0 NTU		Purge Technique Utilized ( <i>baller/pump</i> )			
Last Calibration (time)		<i>1145</i>		Last Verification (time)				Well Yield			
								Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)		<i>initial</i>	<i>0.75</i>	<i>1.5</i>	<i>2.25</i>						
Time (military)		<i>1451</i>	<i>1453</i>	<i>1455</i>	<i>1500</i>						
pH (su)		<i>4.31</i>	<i>4.22</i>	<i>4.22</i>	<i>4.19</i>						
Spec Conductivity (mS/cm)		<i>0.071</i>	<i>0.084</i>	<i>0.087</i>	<i>0.087</i>						
Water Temperature (°C)		<i>23.8</i>	<i>23.6</i>	<i>23.5</i>	<i>23.4</i>						
Turbidity (NTU)		<i>415</i>	<i>446</i>	<i>461</i>	<i>473</i>						
Dissolved Oxygen (mg/L)		<i>9.02</i>	<i>5.65</i>	<i>5.60</i>	<i>5.47</i>						
<b>Well Condition Information</b>						<b>Additional Comments</b>					
-overall condition acceptable?											
-well cap acceptable?											
-manhole and cover acceptable?											
-well pad acceptable?											
-area safe?											
-other comments											

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9N		Well ID		02314 - MW-19	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/13/2022					
Field Personnel		LJ AB		Well Diameter		2	in
General Weather		cloudy		Screened Interval		12.3-22.3	ft
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')			ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		17.37	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
Well Condition Information				Additional Comments			
-overall condition acceptable?				Light amber free product 16.42-17.37 (0.95')			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



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Site Specific Information				Monitoring Well Information			
Terry Project ID	2171.9N			Well ID	02314 - MW-20		
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Maruti Kundal (Former Windsor Mart)						
Date	10/13/2022						
Field Personnel	LJ AB			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather	cloudy			Screened Interval	12.2-22.2	ft	
Ambient Air Temperature	75			Total Well Depth (nearest 0.1')	22.1	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')	16.82	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	5.28	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	0.56	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	2.58	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	3	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey pump)		
Last Calibration (time)	0800		Last Verification (time)	1200	Well Yield	Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	22.1
Volume (gal)	initial	1	2	3			
Time (military)	1202	1205	1208	1212			
pH (su)	4.84	4.94	5.00	4.99			
Spec Conductivity (mS/cm)	0.121	0.136	0.142	0.142			
Water Temperature (°C)	24.5	24.5	24.4	24.4			
Turbidity (NTU)	46.2	799	819	830			
Dissolved Oxygen (mg/L)	5.49	5.00	4.97	4.84			
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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				<b>Site Specific Information</b>				<b>Monitoring Well Information</b>	
Terry Project ID		2171.9N		Well ID		02314 - <u>MW-2</u>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		10/12/2022							
Field Personnel		LJ AB		Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		clear		Screened Interval		13.7-23.7	ft		
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		23.7	ft		
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		18.95	ft		
Meter		Horiba U-52-2		Meter		Horiba U-52-2			
Serial Number		VPTPGA3X		Serial Number		V3KNWUE9		1 Casing Volume (0.163)	
Calibration Constant		4.00 su		Calibration Constant		4.00 su		3 Casing Volumes (0.489)	
Calibration Constant		4.49 mS/cm		Calibration Constant		4.49 mS/cm		Total Volume Purged	
Calibration Constant		0.0 NTU		Calibration Constant		0.0 NTU		3	
Last Calibration (time)		1145		Last Verification (time)				Purge Technique Utilized (bailer pump)	
				Well Yield		Low	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>
						High	<input type="checkbox"/>	237	
Volume (gal)		initial	1	2	3				
Time (military)		1532	1536	1538	1540				
pH (su)		4.30	4.06	4.11	4.05				
Spec Conductivity (mS/cm)		0.101	0.098	0.095	0.093				
Water Temperature (°C)		23.4	23.3	23.2	23.2				
Turbidity (NTU)		404	924	940	931				
Dissolved Oxygen (mg/L)		5.23	3.93	3.83	3.75				
<b>Well Condition Information</b>						<b>Additional Comments</b>			
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									



**Groundwater Sampling Log**

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				<p align="center"><b>Site Specific Information</b></p>				<p align="center"><b>Monitoring Well Information</b></p>	
Terry Project ID		2171.9N		Well ID		02314 <i>MW-22</i>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		<i>10/12/2022</i>							
Field Personnel		<i>LS AB</i>		Well Diameter		<i>2</i>	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		<i>clear</i>		Screened Interval		<i>12-22</i>	ft		
Ambient Air Temperature		<i>75</i>		Total Well Depth (nearest 0.1')		<i>21.7</i>	ft		
<p align="center"><b>Quality Assurance</b></p>				Depth to Groundwater (nearest 0.01')		<i>17.10</i>	ft		
				Length of Water Column		<i>4.60</i>	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)		<i>0.75</i>	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)		<i>2.25</i>	gals	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged		<i>2.25</i>	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized ( <i>bailey pump</i> )				
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield    Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>				
Last Calibration (time)	<i>1145</i>		Last Verification (time)	<i>1545</i>	<i>21.7</i>				
Volume (gal)	<i>initial</i>	<i>0.75</i>	<i>1.5</i>	<i>2.25</i>					
Time (military)	<i>1550</i>	<i>1552</i>	<i>1553</i>	<i>1555</i>					
pH (su)	<i>4.02</i>	<i>3.99</i>	<i>3.97</i>	<i>3.98</i>					
Spec Conductivity (mS/cm)	<i>0.095</i>	<i>0.090</i>	<i>0.090</i>	<i>0.090</i>					
Water Temperature (°C)	<i>24.7</i>	<i>24.5</i>	<i>24.6</i>	<i>24.6</i>					
Turbidity (NTU)	<i>341</i>	<i>812</i>	<i>838</i>	<i>837</i>					
Dissolved Oxygen (mg/L)	<i>6.07</i>	<i>5.01</i>	<i>4.88</i>	<i>4.86</i>					
<p align="center"><b>Well Condition Information</b></p>					<p align="center"><b>Additional Comments</b></p>				
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**




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Site Specific Information					Monitoring Well Information					
Terry Project ID		2171.9N			Well ID		02314 - MW-23			
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)								
Date		10/13/2022								
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		overcast			Screened Interval		11.2-21.2	ft		
Ambient Air Temperature		65			Total Well Depth (nearest 0.1')		21.2	ft		
Quality Assurance					Depth to Groundwater (nearest 0.01')		16.19	ft		
Meter		Horiba U-52-2	Meter		Horiba U-52-2	Length of Water Column		5.01		ft
Serial Number		VPTPGA3X	or	Serial Number		V3KNWUE9	1 Casing Volume (0.163)		0.82	ft
Calibration Constant		4.00 su	Calibration Constant		4.00 su	3 Casing Volumes (0.489)		2.45	gals	
Calibration Constant		4.49 mS/cm	Calibration Constant		4.49 mS/cm	Total Volume Purged		4	gals	
Calibration Constant		0.0 NTU	Calibration Constant		0.0 NTU	Purge Technique Utilized (baller pump)			21.2	
Last Calibration (time)		0900	Last Verification (time)			Well Yield    Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>				
Volume (gal)	initial	1	2	3	4					
Time (military)	0907	0911	0914	0918	0922					
pH (su)	4.91	4.97	5.13	5.14	5.17					
Spec Conductivity (mS/cm)	0.080	0.089	0.100	0.096	0.096					
Water Temperature (°C)	23.2	23.3	23.3	23.4	23.4					
Turbidity (NTU)	679	982	977	989	988					
Dissolved Oxygen (mg/L)	3.54	4.46	5.10	5.11	5.26					
Well Condition Information					Additional Comments					
-overall condition acceptable?										
-well cap acceptable?										
-manhole and cover acceptable?										
-well pad acceptable?										
-area safe?										
-other comments										

**Groundwater Sampling Log**

 <b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>		P.O. Box 25 Summerville, SC 29484 1-800-325-0605						
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>				
Terry Project ID		2171.9N		Well ID		02314 - MW-24		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		10 / 13 / 2022						
Field Personnel		LJ AB		Well Diameter		2	in	
General Weather		overcast		Screened Interval		11.21	ft	
Ambient Air Temperature		65		Total Well Depth (nearest 0.1')		20.4	ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		15.08	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		5.32	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.87	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		2.60	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		5	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey pump)			
Last Calibration (time)	0500		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	204
Volume (gal)	initial	1	2	3	4	5		
Time (military)	0841	0844	0849	0852	0854	0857		
pH (su)	4.82	5.20	5.24	5.43	5.42	5.34		
Spec Conductivity (mS/cm)	0.075	0.115	0.111	0.155	0.130	0.118		
Water Temperature (°C)	22.6	22.7	22.8	22.9	22.9	22.8		
Turbidity (NTU)	29.8	990	899	963	900	794		
Dissolved Oxygen (mg/L)	5.39	4.92	3.40	4.09	3.00	2.60		
<b>Well Condition Information</b>				<b>Additional Comments</b>				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**

<b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605					
				<p align="center"><b>Site Specific Information</b></p> Terry Project ID: 2171.9N SCDHEC Permit No.: 02314 Project Name: Maruti Kundal (Former Windsor Mart) Date: 10/13/2022 Field Personnel: LJ AB General Weather: overcast Ambient Air Temperature: 65				<p align="center"><b>Monitoring Well Information</b></p> Well ID: 02314 - MW-25 Testing Parameters: BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB Well Diameter: 2 in Screened Interval: 11-21 ft Total Well Depth (nearest 0.1'): 20.5 ft Depth to Groundwater (nearest 0.01'): 15.44 ft Length of Water Column: 5.06 ft 1 Casing Volume (0.163): 0.82 ft 3 Casing Volumes (0.489): 2.47 gals Total Volume Purged: 4 gals Purge Technique Utilized (bailey, pump) Well Yield: Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	
<b>Quality Assurance</b>				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'					
Meter: Horiba U-52-2 Serial Number: VPTPGA3X Calibration Constant: 4.00 su Calibration Constant: 4.49 mS/cm Calibration Constant: 0.0 NTU Last Calibration (time): 0800	or	Meter: Horiba U-52-2 Serial Number: V3KNWUE9 Calibration Constant: 4.00 su Calibration Constant: 4.49 mS/cm Calibration Constant: 0.0 NTU Last Verification (time):	20.5						
Volume (gal)	initial	1	2	3	4				
Time (military)	0816	0821	0824	0826	0830				
pH (su)	3.93	3.88	3.92	3.91	3.90				
Spec Conductivity (mS/cm)	0.211	0.096	0.093	0.082	0.080				
Water Temperature (°C)	22.2	22.8	23.0	23.2	23.2				
Turbidity (NTU)	2.78	0.914	0.928	0.940	0.942				
Dissolved Oxygen (mg/L)	5.04	4.85	4.72	4.60	4.58				
<b>Well Condition Information</b>				<b>Additional Comments</b>					
-overall condition acceptable?				FB-2 @ 0755					
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**




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Site Specific Information					Monitoring Well Information				
Terry Project ID		2171.9N			Well ID		02314 - MW-26		
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		10/12/2022							
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH. WRITE BELOW TO NEAREST 0.1'
General Weather		clear			Screened Interval		10.4-20.4	ft	
Ambient Air Temperature		75			Total Well Depth (nearest 0.1')		19.7	ft	
Quality Assurance					Depth to Groundwater (nearest 0.01')		14.59	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		5.11	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		0.83	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		2.50	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		1719	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailey pump)				
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>
Volume (gal)	initial	1	2	3	4				19.7
Time (military)	1707	1708	1714	1716	1719				
pH (su)	4.33	4.07	4.00	3.99	3.95				
Spec Conductivity (mS/cm)	0.055	0.056	0.056	0.056	0.056				
Water Temperature (°C)	24.4	24.4	24.5	24.5	24.5				
Turbidity (NTU)	178	498	866	902	900				
Dissolved Oxygen (mg/L)	4.73	5.00	4.11	4.20	4.02				
Well Condition Information					Additional Comments				
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**

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<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9N		Well ID		02314 - MW-27	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/12/2022		Well Diameter		2	in
Field Personnel		LJ, AB		Screened Interval		10-20	ft
General Weather		cloudy		Total Well Depth (nearest 0.1')		20.1	ft
Ambient Air Temperature		70		Depth to Groundwater (nearest 0.01')		14.14	ft
<b>Quality Assurance</b>				Length of Water Column		5.96	ft
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)	0.97	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)	2.91	gals
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged	3	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer/pump)		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>		
Last Calibration (time)	1145		Last Verification (time)	1545	20.1		
Volume (gal)	in/ft	1	2	3			
Time (military)		1800	1803	1807	1810		
pH (su)		4.01	4.21	4.25	4.21		
Spec Conductivity (mS/cm)		0.038	0.055	0.059	0.059		
Water Temperature (°C)		24.3	24.2	24.2	24.2		
Turbidity (NTU)		637	917	958	960		
Dissolved Oxygen (mg/L)		4.41	4.23	4.22	4.11		
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?				full of sediment			
-well pad acceptable?							
-area safe?							
-other comments							



**Groundwater Sampling Log**



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Site Specific Information					Monitoring Well Information					
Terry Project ID		2171.9N			Well ID		02314 - MW-28			
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)								
Date		10/12/2022								
Field Personnel		LJ AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		clear			Screened Interval		7.5-22.5	ft		
Ambient Air Temperature		75			Total Well Depth (nearest 0.1')		22.5	ft		
Quality Assurance					Depth to Groundwater (nearest 0.01')					
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		9.59	ft		
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		1.56	ft		
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		4.69	gals		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		7	gals		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer) pump					
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>	22.5
Volume (gal)	initial	1.75	3.5	5.25	7					
Time (military)	1407	1412	1414	1416	1418					
pH (su)	5.16	5.09	5.00	5.02	5.06					
Spec Conductivity (mS/cm)	0.071	0.066	0.064	0.066	0.066					
Water Temperature (°C)	26.1	24.3	23.5	23.1	23.0					
Turbidity (NTU)	12.7	825	893	884	874					
Dissolved Oxygen (mg/L)	7.15	6.02	3.63	3.55	3.47					
Well Condition Information					Additional Comments					
-overall condition acceptable?										
-well cap acceptable?										
-manhole and cover acceptable?										
-well pad acceptable?										
-area safe?										
-other comments										



**Groundwater Sampling Log**

<b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605																																						
				<p align="center"><b>Site Specific Information</b></p> Terry Project ID: 2171.9N SCDHEC Permit No.: 02314 Project Name: Maruti Kundal (Former Windsor Mart) Date: 10/12/2022 Field Personnel: LJA AB General Weather: clear Ambient Air Temperature: 75				<p align="center"><b>Monitoring Well Information</b></p> Well ID: 02314-MW-29 Testing Parameters: BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB Well Diameter: 2 in Screened Interval: 7.5-22.5 ft Total Well Depth (nearest 0.1'): 22.5 ft Depth to Groundwater (nearest 0.01'): 16.93 ft Length of Water Column: 5.57 ft 1 Casing Volume (0.163): 0.91 ft 3 Casing Volumes (0.489): 2.72 gals Total Volume Purged: 3 gals Purge Technique Utilized (bailer, pump): <u>bailer</u> Well Yield: Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>																																		
<p align="center"><b>Quality Assurance</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Meter</td> <td>Horiba U-52-2</td> <td>or</td> <td>Meter</td> <td>Horiba U-52-2</td> </tr> <tr> <td>Serial Number</td> <td>VPTPGA3X</td> <td></td> <td>Serial Number</td> <td>V3KNWUE9</td> </tr> <tr> <td>Calibration Constant</td> <td>4.00 su</td> <td></td> <td>Calibration Constant</td> <td>4.00 su</td> </tr> <tr> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td></td> <td>Calibration Constant</td> <td>4.49 mS/cm</td> </tr> <tr> <td>Calibration Constant</td> <td>0.0 NTU</td> <td></td> <td>Calibration Constant</td> <td>0.0 NTU</td> </tr> <tr> <td>Last Calibration (time)</td> <td>1145</td> <td></td> <td>Last Verification (time)</td> <td>1545</td> </tr> </table>				Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	Calibration Constant	4.00 su		Calibration Constant	4.00 su	Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Last Calibration (time)	1145		Last Verification (time)	1545	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'								
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2																																						
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9																																						
Calibration Constant	4.00 su		Calibration Constant	4.00 su																																						
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Last Calibration (time)	1145		Last Verification (time)	1545																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Volume (gal)</td> <td>Initial</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Time (military)</td> <td>1629</td> <td>1631</td> <td>1633</td> <td>1634</td> </tr> <tr> <td>pH (su)</td> <td>4.19</td> <td>4.11</td> <td>4.09</td> <td>4.07</td> </tr> <tr> <td>Spec Conductivity (mS/cm)</td> <td>0.086</td> <td>0.093</td> <td>0.093</td> <td>0.090</td> </tr> <tr> <td>Water Temperature (°C)</td> <td>24.1</td> <td>23.6</td> <td>23.3</td> <td>23.2</td> </tr> <tr> <td>Turbidity (NTU)</td> <td>75.0</td> <td>912</td> <td>931</td> <td>937</td> </tr> <tr> <td>Dissolved Oxygen (mg/L)</td> <td>7.30</td> <td>5.32</td> <td>5.20</td> <td>5.18</td> </tr> </table>				Volume (gal)	Initial	1	2	3	Time (military)	1629	1631	1633	1634	pH (su)	4.19	4.11	4.09	4.07	Spec Conductivity (mS/cm)	0.086	0.093	0.093	0.090	Water Temperature (°C)	24.1	23.6	23.3	23.2	Turbidity (NTU)	75.0	912	931	937	Dissolved Oxygen (mg/L)	7.30	5.32	5.20	5.18	22.5			
Volume (gal)	Initial	1	2	3																																						
Time (military)	1629	1631	1633	1634																																						
pH (su)	4.19	4.11	4.09	4.07																																						
Spec Conductivity (mS/cm)	0.086	0.093	0.093	0.090																																						
Water Temperature (°C)	24.1	23.6	23.3	23.2																																						
Turbidity (NTU)	75.0	912	931	937																																						
Dissolved Oxygen (mg/L)	7.30	5.32	5.20	5.18																																						
<p align="center"><b>Well Condition Information</b></p> -overall condition acceptable? -well cap acceptable? -manhole and cover acceptable? -well pad acceptable? -area safe? -other comments				<p align="center"><b>Additional Comments</b></p>																																						

**Groundwater Sampling Log**




**TERRY Environmental Services**  
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P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID	2171.9N			Well ID	02314 - MW-30		
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Maruti Kundal (Former Windsor Mart)						
Date	10/12/2022						
Field Personnel	LJAB			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather	clear			Screened Interval	7-22	ft	
Ambient Air Temperature	75			Total Well Depth (nearest 0.1')	21.8	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')	15.21	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	6.59	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	1.07	ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	3.22	gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	6.25	gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield	Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	21.8
Volume (gal)	Initial	1.25	2.5	3.75	5	6.25	
Time (military)	1607	1610	1612	1614	1617	1620	
pH (su)	4.29	4.31	4.38	4.55	4.51	4.53	
Spec Conductivity (mS/cm)	0.076	0.071	0.072	0.074	0.075	0.076	
Water Temperature (°C)	25.0	25.0	24.9	24.7	24.7	24.5	
Turbidity (NTU)	105	911	920	952	938	903	
Dissolved Oxygen (mg/L)	7.47	5.11	4.77	4.64	4.92	4.99	
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?				full of water			
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**

				P.O. Box 25 Summerville, SC 29484 1-800-325-0605				
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>				
Terry Project ID		2171.9N		Well ID		02314 - DW-1		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		10/12/2022						
Field Personnel		LJ AB		Well Diameter		2	in	
General Weather		cloudy		Screened Interval		49.6-54.6	ft	
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		54.5	ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		18.14	ft	
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		36.36	ft	
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		5.93	ft	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		17.78	gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		9.25	gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer/pump)				54.5
Last Calibration (time)	1145	Last Verification (time)		Well Yield		Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	
Volume (gal)	instal	6	9.25					
Time (military)	1150	1210	1214	1221				
pH (su)	6.60	7.40	7.47	6.50				
Spec Conductivity (mS/cm)	0.279	0.307	0.188	0.170				
Water Temperature (°C)	24.2	22.9	22.8	23.2				
Turbidity (NTU)	350	21.5	42.2	28.7				
Dissolved Oxygen (mg/L)	4.72	5.64	7.44	5.64				
<b>Well Condition Information</b>				<b>Additional Comments</b>				
-overall condition acceptable?				FB-1@1140				
-well cap acceptable?								
-manhole and cover acceptable?				full of bentonite				
-well pad acceptable?								
-area safe?								
-other comments				purged dry @ 9gal. recharge and sample				



**Groundwater Sampling Log**



**TERRY Environmental Services**  
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1-800-325-0605

Site Specific Information					Monitoring Well Information				
Terry Project ID		2171.9N			Well ID		02314-DW-2		
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		10/12/2022							
Field Personnel		LJ, AB			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather		clear			Screened Interval		44.6-49.6	ft	
Ambient Air Temperature		75			Total Well Depth (nearest 0.1')		49.6	ft	
Quality Assurance					Depth to Groundwater (nearest 0.01')		18.78	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		30.82	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		5.02	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		15.07	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		6.25	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	High <input type="checkbox"/>	49.6
Volume (gal)	initial	5	6	6.25					
Time (military)	1514	1518	1519	1526					
pH (su)	5.79	5.84	5.88	5.66					
Spec Conductivity (mS/cm)	0.067	0.062	0.060	0.060					
Water Temperature (°C)	23.9	24.1	23.4	23.0					
Turbidity (NTU)	0.0	0.0	2.88	6.08					
Dissolved Oxygen (mg/L)	6.74	6.00	5.86	5.43					
Well Condition Information					Additional Comments				
-overall condition acceptable?					pumped dry @ 6 gal. recharge and sample				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**

<b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605																																																																									
				<p align="center"><b>Site Specific Information</b></p> Terry Project ID: 2171.9N SCDHEC Permit No.: 02314 Project Name: Maruti Kundal (Former Windsor Mart) Date: 10/12/2022 Field Personnel: LJ AB General Weather: clear Ambient Air Temperature: 75				<p align="center"><b>Monitoring Well Information</b></p> Well ID: 02314 - DW-3 Testing Parameters: BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB Well Diameter: 2 in Screened Interval: 44.6-49.6 ft Total Well Depth (nearest 0.1'): 49.6 ft Depth to Groundwater (nearest 0.01'): 15.79 ft																																																																					
<p align="center"><b>Quality Assurance</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Meter</td><td>Horiba U-52-2</td><td>or</td><td>Meter</td><td>Horiba U-52-2</td><td>Length of Water Column</td><td>33.81</td><td>ft</td><td rowspan="6" style="writing-mode: vertical-rl; text-orientation: mixed; font-size: small;">TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'</td> </tr> <tr> <td>Serial Number</td><td>VPTPGA3X</td><td></td><td>Serial Number</td><td>V3KNWUE9</td><td>1 Casing Volume (0.163)</td><td>5.51</td><td>ft</td> </tr> <tr> <td>Calibration Constant</td><td>4.00 su</td><td></td><td>Calibration Constant</td><td>4.00 su</td><td>3 Casing Volumes (0.489)</td><td>16.53</td><td>gals</td> </tr> <tr> <td>Calibration Constant</td><td>4.49 mS/cm</td><td></td><td>Calibration Constant</td><td>4.49 mS/cm</td><td>Total Volume Purged</td><td>6.75</td><td>gals</td> </tr> <tr> <td>Calibration Constant</td><td>0.0 NTU</td><td></td><td>Calibration Constant</td><td>0.0 NTU</td><td colspan="3">Purge Technique Utilized (batter, pump)</td> </tr> <tr> <td>Last Calibration (time)</td><td>1145</td><td></td><td>Last Verification (time)</td><td>1545</td><td>Well Yield</td><td>Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/></td><td>49.6</td> </tr> </table>				Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	33.81	ft	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	5.51	ft	Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	16.53	gals	Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	6.75	gals	Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (batter, pump)			Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield	Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	49.6	Purge Technique Utilized (batter, pump): <input checked="" type="checkbox"/> batter, <input type="checkbox"/> pump																								
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Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield	Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	49.6																																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Volume (gal)</td><td>initial</td><td>6</td><td>6.75</td><td>6.75</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Time (military)</td><td>1657</td><td>1656</td><td>1658</td><td>1705</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>pH (su)</td><td>5.76</td><td>5.86</td><td>5.87</td><td>5.91</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Spec Conductivity (mS/cm)</td><td>0.116</td><td>0.130</td><td>0.129</td><td>0.126</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Water Temperature (°C)</td><td>23.7</td><td>22.6</td><td>22.5</td><td>22.8</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Turbidity (NTU)</td><td>0.0</td><td>2.92</td><td>2.81</td><td>2.61</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Dissolved Oxygen (mg/L)</td><td>6.30</td><td>6.19</td><td>3.97</td><td>2.49</td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				Volume (gal)	initial	6	6.75	6.75						Time (military)	1657	1656	1658	1705						pH (su)	5.76	5.86	5.87	5.91						Spec Conductivity (mS/cm)	0.116	0.130	0.129	0.126						Water Temperature (°C)	23.7	22.6	22.5	22.8						Turbidity (NTU)	0.0	2.92	2.81	2.61						Dissolved Oxygen (mg/L)	6.30	6.19	3.97	2.49						<p align="center"><b>Well Condition Information</b></p> -overall condition acceptable? _____ -well cap acceptable? _____ -manhole and cover acceptable? _____ -well pad acceptable? _____ -area safe? _____ -other comments _____			
Volume (gal)	initial	6	6.75	6.75																																																																									
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Dissolved Oxygen (mg/L)	6.30	6.19	3.97	2.49																																																																									
				<p align="center"><b>Additional Comments</b></p> purged drop @ 6.5 gal. recharge and sample																																																																									

**Groundwater Sampling Log**



**TERRY Environmental Services**  
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Site Specific Information					Monitoring Well Information				
Terry Project ID	2171.9N				Well ID	02314 - RW-1			
SCDHEC Permit No.	02314				Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)								
Date	10/13/2022								
Field Personnel	LJ AB				Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	cloudy				Screened Interval	10-30	ft		
Ambient Air Temperature	70°				Total Well Depth (nearest 0.1')	29.3	ft		
Quality Assurance					Depth to Groundwater (nearest 0.01')	18.69	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	10.61	ft		
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	6.93	ft		
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	20.78	gals		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	28	gals		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	0900		Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input type="checkbox"/>	High <input checked="" type="checkbox"/>	
Volume (gal)	initial	7	19	21	28			29.3	
Time (military)	1039	1045	1051	1057	1103				
pH (su)	4.44	4.88	5.02	5.01	5.08				
Spec Conductivity (mS/cm)	0.077	0.089	0.099	0.098	0.099				
Water Temperature (°C)	24.2	24.6	24.1	23.9	23.5				
Turbidity (NTU)	0.0	34.9	1.9	0.0	0.0				
Dissolved Oxygen (mg/L)	4.93	4.11	3.22	3.20	3.10				
Well Condition Information					Additional Comments				
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									




**Groundwater Sampling Log**


<b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605																																													
				<p align="center"><b>Site Specific Information</b></p> Terry Project ID: 2171.9N SCDHEC Permit No.: 02314 Project Name: Maruti Kundal (Former Windsor Mart) Date: 10/13/2022 Field Personnel: LJ AB General Weather: cloudy Ambient Air Temperature: 75 °F				<p align="center"><b>Monitoring Well Information</b></p> Well ID: 02314 - RW-2 Testing Parameters: BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB Well Diameter: 4 in Screened Interval: 10-30 ft Total Well Depth (nearest 0.1'): 30.0 ft Depth to Groundwater (nearest 0.01'): 18.01 ft Length of Water Column: 11.99 ft 1 Casing Volume (0.163): 7.83 ft 3 Casing Volumes (0.489): 23.49 gals Total Volume Purged: 40 gals Purge Technique Utilized (bailer, pump): <u>30.0</u> Well Yield: Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input checked="" type="checkbox"/>																																									
<p align="center"><b>Quality Assurance</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Meter</td> <td>Horiba U-52-2</td> <td>or</td> <td>Meter</td> <td>Horiba U-52-2</td> <td colspan="2"></td> </tr> <tr> <td>Serial Number</td> <td>VPTPGA3X</td> <td></td> <td>Serial Number</td> <td>V3KNWUE9</td> <td colspan="2"></td> </tr> <tr> <td>Calibration Constant</td> <td>4.00 su</td> <td></td> <td>Calibration Constant</td> <td>4.00 su</td> <td colspan="2"></td> </tr> <tr> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td></td> <td>Calibration Constant</td> <td>4.49 mS/cm</td> <td colspan="2"></td> </tr> <tr> <td>Calibration Constant</td> <td>0.0 NTU</td> <td></td> <td>Calibration Constant</td> <td>0.0 NTU</td> <td colspan="2"></td> </tr> <tr> <td>Last Calibration (time)</td> <td>0800</td> <td></td> <td>Last Verification (time)</td> <td>1200</td> <td colspan="2"></td> </tr> </table>				Meter	Horiba U-52-2	or	Meter	Horiba U-52-2			Serial Number	VPTPGA3X		Serial Number	V3KNWUE9			Calibration Constant	4.00 su		Calibration Constant	4.00 su			Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm			Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU			Last Calibration (time)	0800		Last Verification (time)	1200			TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2																																													
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9																																													
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Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU																																													
Last Calibration (time)	0800		Last Verification (time)	1200																																													
Volume (gal)	initial	8	16	24	32	40																																											
Time (military)	1319	1330	1340	1348	1355	1405																																											
pH (su)	5.67	5.72	5.58	5.51	5.21	5.28																																											
Spec Conductivity (mS/cm)	0.425	0.252	0.172	0.260	0.136	0.125																																											
Water Temperature (°C)	24.2	23.4	23.0	23.2	22.9	22.8																																											
Turbidity (NTU)	0.0	12.6	13.7	14.1	10.1	5.1																																											
Dissolved Oxygen (mg/L)	6.01	2.48	4.31	4.17	4.57	5.57																																											
<p align="center"><b>Well Condition Information</b></p> -overall condition acceptable? -well cap acceptable? -manhole and cover acceptable? -well pad acceptable? -area safe? -other comments				<p align="center"><b>Additional Comments</b></p>																																													



**Groundwater Sampling Log**

		P.O. Box 25 Summerville, SC 29484 1-800-325-0605					
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9N		Well ID		02314 - RW-3	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/12/2022					
Field Personnel		LJ AB		Well Diameter		7	in
General Weather		cloudy		Screened Interval		10-30	ft
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		30.0	ft
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		18.08	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		11.92	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		7.78	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		23.35	gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		40	gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145	Last Verification (time)	1545	Well Yield		Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input checked="" type="checkbox"/>	30.0
Volume (gal)	7.16	8	16	24	32	40	
Time (military)	1902	1917	1920	1926	1930	1938	
pH (su)	5.94	5.40	5.26	5.14	5.04	4.99	
Spec Conductivity (mS/cm)	0.069	0.043	0.046	0.055	0.063	0.066	
Water Temperature (°C)	22.6	22.1	22.0	22.0	22.0	21.9	
Turbidity (NTU)	0.8	14.1	5.1	3.7	0.0	0.0	
Dissolved Oxygen (mg/L)	7.52	3.95	5.33	4.00	3.68	4.38	
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?				full of water			
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**

				P.O. Box 25 Summerville, SC 29484 1-800-325-0605			
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9N		Well ID		02314 - RW-4	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		10/13/2022		Well Diameter		4 in	
Field Personnel		LJ AB		Screened Interval		10-30 ft	
General Weather		cloudy		Total Well Depth (nearest 0.1')		ft	
Ambient Air Temperature		75.7		Depth to Groundwater (nearest 0.01')		17.27 ft	
<b>Quality Assurance</b>				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?				Light amber free product 16.67-17.27 (0.6')			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information					Monitoring Well Information				
Terry Project ID		2171.9N			Well ID		02314 - <i>KW-5</i>		
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		<i>10/13/2022</i>			Well Diameter		<i>4</i>	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Field Personnel		<i>LJ AB</i>			Screened Interval		<i>10-30</i>	ft	
General Weather		<i>cloudy</i>			Total Well Depth (nearest 0.1')		<i>30.3</i>	ft	
Ambient Air Temperature		<i>75</i>			Depth to Groundwater (nearest 0.01')		<i>17.03</i>	ft	
Quality Assurance					Length of Water Column		<i>13.27</i>	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)		<i>8.67</i>	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)		<i>26.00</i>	gals	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged		<i>45</i>	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer <input checked="" type="checkbox"/> pump)				
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input checked="" type="checkbox"/>				
Last Calibration (time)	<i>0800</i>		Last Verification (time)	<i>1200</i>	<i>30.3</i>				
Volume (gal)	<i>initial</i>	<i>9</i>	<i>18</i>	<i>27</i>	<i>36</i>	<i>45</i>			
Time (military)	<i>1225</i>	<i>1234</i>	<i>1240</i>	<i>1246</i>	<i>1257</i>	<i>1300</i>			
pH (su)	<i>4.06</i>	<i>4.43</i>	<i>5.04</i>	<i>5.32</i>	<i>5.41</i>	<i>5.46</i>			
Spec Conductivity (mS/cm)	<i>0.269</i>	<i>0.214</i>	<i>0.188</i>	<i>0.182</i>	<i>0.179</i>	<i>0.178</i>			
Water Temperature (°C)	<i>25.1</i>	<i>24.3</i>	<i>23.9</i>	<i>23.8</i>	<i>23.7</i>	<i>23.6</i>			
Turbidity (NTU)	<i>0.0</i>	<i>32.0</i>	<i>20.3</i>	<i>17.8</i>	<i>19.9</i>	<i>5.6</i>			
Dissolved Oxygen (mg/L)	<i>2.94</i>	<i>5.26</i>	<i>4.11</i>	<i>3.79</i>	<i>5.04</i>	<i>5.18</i>			
Well Condition Information					Additional Comments				
-overall condition acceptable?					<i>Dup-2 @ 1302</i>				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									



**Groundwater Sampling Log**




**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS


P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.9N		Well ID		02314 - <i>SW-1</i>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		<i>10/13/2022</i>					
Field Personnel		<i>LJ AB</i>		Well Diameter		in	
General Weather		<i>cloudy</i>		Screened Interval		ft	
Ambient Air Temperature		<i>75</i>		Total Well Depth (nearest 0.1')		ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	<i>0800</i>		Last Verification (time)	<i>1200</i>	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)	<i>initial</i>						
Time (military)	<i>1415</i>						
pH (su)	<i>5.87</i>						
Spec Conductivity (mS/cm)	<i>0.112</i>						
Water Temperature (°C)	<i>24.1</i>						
Turbidity (NTU)	<i>9.2</i>						
Dissolved Oxygen (mg/L)	<i>7.11</i>						
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?				<i>sample from drainage by furniture store</i>			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

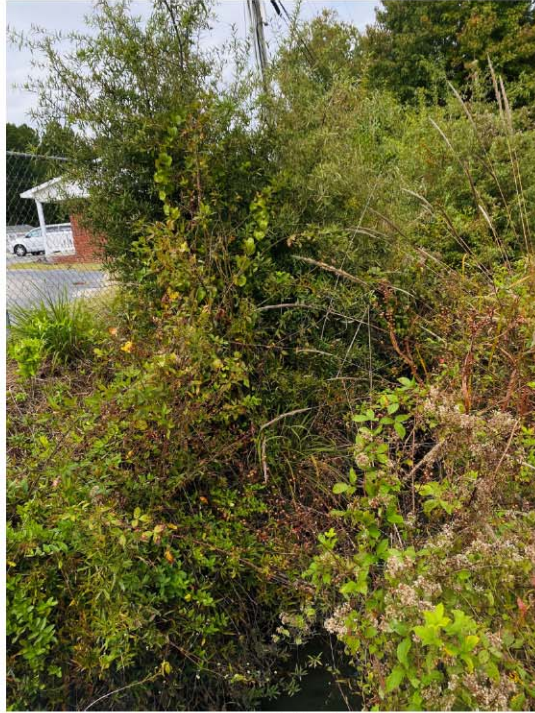
**Groundwater Sampling Log**

				P.O. Box 25 Summerville, SC 29484 1-800-325-0605			
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.9N		Well ID		02314 <i>SW-2</i>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		<i>10/13/2022</i>					
Field Personnel		<i>LJ, AB</i>		Well Diameter		in	
General Weather		<i>cloudy</i>		Screened Interval		ft	
Ambient Air Temperature		<i>75 F</i>		Total Well Depth (nearest 0.1')		ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)			Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>		
Volume (gal)							TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?				<i>no signs of regularly standing water in shallow drainage</i>			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Water Supply Well Sampling Log**

 <b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605					
				<p align="center"><b>Site Specific Information</b></p>				<p align="center"><b>Monitoring Well Information</b></p>	
Terry Project ID		2171.9N		Well ID		02314 - <u>WSW-1</u>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA (EPA 524.2); Oxygenates & Ethanol (8260B); & EDB (504.1)			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		<u>10 / 13 / 2022</u>							
Field Personnel		<u>LJ, AB</u>		Well Diameter				TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		<u>cloudy</u>		Screened Interval					
Ambient Air Temperature		<u>75 J</u>		Total Well Depth (nearest 0.1')					
<p align="center"><b>Quality Assurance</b></p>				Depth to Groundwater (nearest 0.01')					
				Length of Water Column					
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	1 Casing Volume (0.163)				
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	3 Casing Volumes (0.489)				
Calibration Constant	4.00 su		Calibration Constant	4.00 su	Total Volume Purged				
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Purge Technique Utilized (bailer, pump)				
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>				
Last Calibration (time)	<u>1435</u>		Last Verification (time)						
Volume (gal)	<u>Initial</u>								
Time (military)	<u>1445</u>								
pH (su)	<u>5.23</u>								
Spec Conductivity (mS/cm)	<u>0.102</u>								
Water Temperature (°C)	<u>24.1</u>								
Turbidity (NTU)	<u>0.0</u>								
Dissolved Oxygen (mg/L)	<u>5.94</u>								
<p align="center"><b>Well Condition Information</b></p>				<p align="center"><b>Additional Comments</b></p>					
-overall condition acceptable?				<u>WSW-FB-1 @ 1430</u>					
-well cap acceptable?									
-manhole and cover acceptable?				<u>WSW-Dup-1 @ 1447</u>					
-well pad acceptable?									
-area safe?									
-other comments									





Photograph 1 - SW-1



Photograph 2 - SW-2 (Dry)



P.O. BOX 25 Summerville, South Carolina 29484  
[www.terrvenvironmental.com](http://www.terrvenvironmental.com)

**SURFACE WATER SAMPLING  
PHOTOGRAPHS 1 & 2  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
Terry Project #2171.9N**





**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10 / 12 / 22</u>  <b>Time:</b> <u>1145</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14477</u>	<b>Expiration Date:</b> <u>11/17/2022</u>
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>3.90</u>	$\pm 0.10$
Conductivity: 4.49 mS/cm	<u>4.60</u> mS/cm	$\pm 0.11$ mS/cm
Turbidity: 0.0 NTU	<u>1.0</u> NTU	$\pm 1.0$ NTU

<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer: <u>21.3</u> °C	<u>21.5</u> °C	$\pm 0.2$ °C

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Muruti Kundal*  
2171.9N

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10 / 12 / 22</u>  <b>Time:</b> <u>1545</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14477</u>	<b>Expiration Date:</b> <u>11/17/2022</u>
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>3.93</u>	± <u>0.07</u>
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± <u>0.00</u> mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± <u>0.0</u> NTU

<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer: <u>23.6</u> °C	<u>23.6</u> °C	± <u>0.0</u> °C

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
 2171.9N

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10/12/22</u>  <b>Time:</b> <u>1945</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14477</u>	<b>Expiration Date:</b> <u>11/17/2022</u>
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>3.95</u>	$\pm 0.05$
Conductivity: 4.49 mS/cm	<u>4.52</u> mS/cm	$\pm 0.03$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>22.5</u> °C	<u>22.2</u> °C	$\pm 0.3$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kumbal*  
2171.9N

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**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10 / 13 / 22</u> <b>Time:</b> <u>0800</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u> <b>Lot Number:</b> <u>14477</u>		<b>Expiration Date:</b> <u>11/17/2022</u>
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>3.96</u>	± <u>0.04</u>
Conductivity: 4.49 mS/cm	<u>457</u> mS/cm	± <u>0.08</u> mS/cm
Turbidity: 0.0 NTU	<u>0.1</u> NTU	± <u>0.1</u> NTU

<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer: <u>19.8</u> °C	<u>19.7</u> °C	± <u>0.1</u> °C

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
 2171.9N

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10 / 13 / 22</u>  <b>Time:</b> <u>1200</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14477</u>	<b>Expiration Date:</b> <u>11/17/2022</u>
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>3.92</u>	±0.08
Conductivity: 4.49 mS/cm	<u>4.55</u> mS/cm	±0.06 mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	±0.0 NTU

	<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer:	<u>22.8</u> °C	<u>22.6</u> °C	±0.2 °C

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
2171.9N

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10/13/22</u>  <b>Time:</b> <u>1425</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14477</u>	<b>Expiration Date:</b> <u>11/17/2022</u>
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>3.97</u>	± <u>0.03</u>
Conductivity: 4.49 mS/cm	<u>4.52</u> mS/cm	± <u>0.03</u> mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± <u>0.0</u> NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>24.2</u> °C	<u>24.6</u> °C	± <u>0.4</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
2171.9N

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**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10 / 13 / 22</u> <b>Time:</b> <u>1435</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14477</u>	<b>Expiration Date:</b> <u>11/17/2022</u>
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>3.99</u>	± 0.01
Conductivity: 4.49 mS/cm	<u>4.41</u> mS/cm	± 0.08 mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± 0.0 NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>24.3</u> °C	<u>24.2</u> °C	± 0.1 °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature	±1°C against an NIST-traceable thermometer
Specific Conductance	10% of each standard used
pH	±0.2 pH units of stated buffer value
Turbidity	10% of each standard used

**Inspector's Maintenance Notes**

Drinking Water Maruti Kundal  
2171.9N

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>10 13 22</u>  <b>Time:</b> <u>1500</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14477    **Expiration Date:** 11/17/2022

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.00</u>	± 0.00
Conductivity: 4.49 mS/cm	<u>4.50</u> mS/cm	± 0.01 mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± 0.0 NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>22.0</u> °C	<u>21.2</u> °C	± 0.8 °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Drinking Water Maruti Kundal  
2171.9N

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## Report of Analysis

**Terry Environmental Services, Inc.**  
222 Varnfield Drive  
Suite F  
Summerville, SC 29483  
Attention: Kelly Cone

Project Name: Maruti Kundal

Project Number: 2171.9N

Lot Number: **XJ17025**

Date Completed: 11/06/2022

11/07/2022 4:19 PM

Approved and released by:  
Project Manager I: **Kayla S. Holliday**



The electronic signature above is the equivalent of a handwritten signature.  
This report shall not be reproduced, except in its entirety, without the written approval of Pace Analytical Services, LLC.

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# PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

## Case Narrative Terry Environmental Services, Inc. Lot Number: XJ17025

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

### **VOCs by GCMS**

The following samples were diluted due to the nature of the sample matrix: XJ17025-013, XJ17025-017, XJ17025-023, XJ17025-024, XJ17025-025, XJ17025-026, XJ17025-027, XJ17025-028, XJ17025-029, XJ17025-031, XJ17025-032, XJ17025-033, XJ17025-034, XJ17025-035. No corrective actions required as it is known that dilutions 5x and greater do not impact sample recoveries. The LOQ has been elevated to reflect the dilution.

The MS/MSD for batch 58020 associated with sample XJ17025-017, recovered outside of acceptance criteria for tert-Butyl formate (TBF). All other QC passed, therefore, the data has been reported.

The MS/MSD for batch 58175 associated with sample XJ17025-025, recovered outside of acceptance criteria for tert-Butyl formate (TBF) and Naphthalene. All other QC passed, therefore, the data has been reported.

The MS/MSD for batch 58189 associated with sample XJ17025-033, recovered outside of acceptance criteria for tert-Butyl formate (TBF) with Toluene recovery outside calibraton range. All other QC passed, therefore, the data has been reported.

Sample XJ17025-030 was reanalyzed out of the method recommended 14 day hold timedue to over range compounds: Benzene, Ethylbenzene, Toluene, Xylenes. The data has been "H" flagged

# PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

accordingly.

The following sample(s) was received with headspace in the sample vial: XJ17025-016, XJ17025-017, XJ17025-019.

# PACE ANALYTICAL SERVICES, LLC

## Sample Summary Terry Environmental Services, Inc. Lot Number: XJ17025

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	02314 FB-1	Aqueous	10/12/2022 1140	10/14/2022
002	02314 DW-1	Aqueous	10/12/2022 1221	10/14/2022
003	02314 MW-10	Aqueous	10/12/2022 1240	10/14/2022
004	02314 MW-9	Aqueous	10/12/2022 1256	10/14/2022
005	02314 MW-11	Aqueous	10/12/2022 1310	10/14/2022
006	02314 MW-6	Aqueous	10/12/2022 1339	10/14/2022
007	02314 MW-28	Aqueous	10/12/2022 1418	10/14/2022
008	02314 MW-16	Aqueous	10/12/2022 1440	10/14/2022
009	02314 MW-18	Aqueous	10/12/2022 1500	10/14/2022
010	02314 DW-2	Aqueous	10/12/2022 1526	10/14/2022
011	02314 MW-21	Aqueous	10/12/2022 1540	10/14/2022
012	02314 MW-22	Aqueous	10/12/2022 1555	10/14/2022
013	02314 MW-30	Aqueous	10/12/2022 1620	10/14/2022
014	02314 MW-29	Aqueous	10/12/2022 1634	10/14/2022
015	02314 DW-3	Aqueous	10/12/2022 1705	10/14/2022
016	02314 MW-26	Aqueous	10/12/2022 1719	10/14/2022
017	02314 MW-27	Aqueous	10/12/2022 1810	10/14/2022
018	02314 MW-12	Aqueous	10/12/2022 1837	10/14/2022
019	02314 MW-3	Aqueous	10/12/2022 1854	10/14/2022
020	02314 RW-3	Aqueous	10/12/2022 1938	10/14/2022
021	02314 FB-2	Aqueous	10/13/2022 0755	10/14/2022
022	02314 MW-25	Aqueous	10/13/2022 0830	10/14/2022
023	02314 MW-24	Aqueous	10/13/2022 0857	10/14/2022
024	02314 MW-23	Aqueous	10/13/2022 0922	10/14/2022
025	02314 MW-8	Aqueous	10/13/2022 0943	10/14/2022
026	02314 MW-7	Aqueous	10/13/2022 1000	10/14/2022
027	02314 MW-2R	Aqueous	10/13/2022 1029	10/14/2022
028	02314 RW-1	Aqueous	10/13/2022 1103	10/14/2022
029	02314 MW-15	Aqueous	10/13/2022 1127	10/14/2022
030	02314 Dup-1	Aqueous	10/13/2022 1129	10/14/2022
031	02314 MW-13	Aqueous	10/13/2022 1152	10/14/2022
032	02314 MW-20	Aqueous	10/13/2022 1212	10/14/2022
033	02314 RW-5	Aqueous	10/13/2022 1300	10/14/2022
034	02314 Dup-2	Aqueous	10/13/2022 1302	10/14/2022
035	02314 RW-2	Aqueous	10/13/2022 1405	10/14/2022
036	02314 SW-1	Aqueous	10/13/2022 1415	10/14/2022
037	02314 Trip Blank	Aqueous	10/13/2022	10/14/2022
038	02314 Trip Blank	Aqueous	10/13/2022	10/14/2022

(38 samples)

# PACE ANALYTICAL SERVICES, LLC

## Detection Summary Terry Environmental Services, Inc. Lot Number: XJ17025

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
013	02314 MW-30	Aqueous	tert-Amyl alcohol (TAA)	8260D	1900		ug/L	22
013	02314 MW-30	Aqueous	Benzene	8260D	590		ug/L	22
013	02314 MW-30	Aqueous	Diisopropyl ether (IPE)	8260D	5.4	J	ug/L	22
013	02314 MW-30	Aqueous	Ethylbenzene	8260D	37		ug/L	22
013	02314 MW-30	Aqueous	Naphthalene	8260D	12		ug/L	22
013	02314 MW-30	Aqueous	Toluene	8260D	20		ug/L	22
013	02314 MW-30	Aqueous	Xylenes (total)	8260D	18		ug/L	22
017	02314 MW-27	Aqueous	tert-Amyl alcohol (TAA)	8260D	2100		ug/L	26
017	02314 MW-27	Aqueous	Benzene	8260D	340		ug/L	26
017	02314 MW-27	Aqueous	Diisopropyl ether (IPE)	8260D	8.9		ug/L	26
017	02314 MW-27	Aqueous	Ethylbenzene	8260D	31		ug/L	26
017	02314 MW-27	Aqueous	Naphthalene	8260D	6.6		ug/L	26
017	02314 MW-27	Aqueous	tert-butyl alcohol (TBA)	8260D	50	J	ug/L	26
017	02314 MW-27	Aqueous	Toluene	8260D	2.8	J	ug/L	26
017	02314 MW-27	Aqueous	Xylenes (total)	8260D	12		ug/L	26
018	02314 MW-12	Aqueous	tert-Amyl alcohol (TAA)	8260D	1000		ug/L	27
018	02314 MW-12	Aqueous	Benzene	8260D	58		ug/L	27
018	02314 MW-12	Aqueous	Ethylbenzene	8260D	38		ug/L	27
018	02314 MW-12	Aqueous	Naphthalene	8260D	20		ug/L	27
018	02314 MW-12	Aqueous	tert-butyl alcohol (TBA)	8260D	28		ug/L	27
018	02314 MW-12	Aqueous	Toluene	8260D	4.2		ug/L	27
018	02314 MW-12	Aqueous	Xylenes (total)	8260D	31		ug/L	27
019	02314 MW-3	Aqueous	tert-Amyl alcohol (TAA)	8260D	100		ug/L	28
019	02314 MW-3	Aqueous	Benzene	8260D	12		ug/L	28
019	02314 MW-3	Aqueous	Ethylbenzene	8260D	7.5		ug/L	28
019	02314 MW-3	Aqueous	Naphthalene	8260D	6.5		ug/L	28
019	02314 MW-3	Aqueous	Toluene	8260D	3.7		ug/L	28
019	02314 MW-3	Aqueous	Xylenes (total)	8260D	18		ug/L	28
020	02314 RW-3	Aqueous	tert-Amyl alcohol (TAA)	8260D	8.8	J	ug/L	29
020	02314 RW-3	Aqueous	Benzene	8260D	27		ug/L	29
020	02314 RW-3	Aqueous	Ethylbenzene	8260D	5.3		ug/L	29
020	02314 RW-3	Aqueous	Naphthalene	8260D	0.52	J	ug/L	29
020	02314 RW-3	Aqueous	Toluene	8260D	25		ug/L	29
020	02314 RW-3	Aqueous	Xylenes (total)	8260D	43		ug/L	29
022	02314 MW-25	Aqueous	tert-Amyl alcohol (TAA)	8260D	1200		ug/L	31
022	02314 MW-25	Aqueous	Benzene	8260D	210		ug/L	31
022	02314 MW-25	Aqueous	Diisopropyl ether (IPE)	8260D	2.6		ug/L	31
022	02314 MW-25	Aqueous	Naphthalene	8260D	8.3		ug/L	31
022	02314 MW-25	Aqueous	tert-butyl alcohol (TBA)	8260D	18	J	ug/L	31
022	02314 MW-25	Aqueous	Xylenes (total)	8260D	92		ug/L	31
023	02314 MW-24	Aqueous	tert-Amyl alcohol (TAA)	8260D	3300		ug/L	32
023	02314 MW-24	Aqueous	Benzene	8260D	3700		ug/L	32
023	02314 MW-24	Aqueous	Ethylbenzene	8260D	1300		ug/L	32
023	02314 MW-24	Aqueous	Naphthalene	8260D	230		ug/L	32
023	02314 MW-24	Aqueous	Toluene	8260D	12000		ug/L	32

## Detection Summary (Continued)

Lot Number: XJ17025

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
023	02314 MW-24	Aqueous	Xylenes (total)	8260D	6600		ug/L	32
024	02314 MW-23	Aqueous	tert-Amyl alcohol (TAA)	8260D	4500		ug/L	33
024	02314 MW-23	Aqueous	Benzene	8260D	1300		ug/L	33
024	02314 MW-23	Aqueous	Ethylbenzene	8260D	440		ug/L	33
024	02314 MW-23	Aqueous	Naphthalene	8260D	140		ug/L	33
024	02314 MW-23	Aqueous	Toluene	8260D	4300		ug/L	33
024	02314 MW-23	Aqueous	Xylenes (total)	8260D	2400		ug/L	33
025	02314 MW-8	Aqueous	tert-Amyl alcohol (TAA)	8260D	5700		ug/L	34
025	02314 MW-8	Aqueous	Benzene	8260D	580		ug/L	34
025	02314 MW-8	Aqueous	Diisopropyl ether (IPE)	8260D	14		ug/L	34
025	02314 MW-8	Aqueous	Ethylbenzene	8260D	180		ug/L	34
025	02314 MW-8	Aqueous	Naphthalene	8260D	27	S	ug/L	34
025	02314 MW-8	Aqueous	tert-butyl alcohol (TBA)	8260D	140	J	ug/L	34
025	02314 MW-8	Aqueous	Toluene	8260D	140		ug/L	34
025	02314 MW-8	Aqueous	Xylenes (total)	8260D	2400		ug/L	34
026	02314 MW-7	Aqueous	tert-Amyl alcohol (TAA)	8260D	23000		ug/L	35
026	02314 MW-7	Aqueous	Benzene	8260D	5200		ug/L	35
026	02314 MW-7	Aqueous	Diisopropyl ether (IPE)	8260D	180		ug/L	35
026	02314 MW-7	Aqueous	Ethylbenzene	8260D	1500		ug/L	35
026	02314 MW-7	Aqueous	Naphthalene	8260D	460		ug/L	35
026	02314 MW-7	Aqueous	Toluene	8260D	15000		ug/L	35
026	02314 MW-7	Aqueous	Xylenes (total)	8260D	7800		ug/L	35
026	02314 MW-7	Aqueous	1,2-Dibromoethane (EDB)	8011	0.66		ug/L	35
027	02314 MW-2R	Aqueous	Benzene	8260D	2800		ug/L	36
027	02314 MW-2R	Aqueous	Ethylbenzene	8260D	5800		ug/L	36
027	02314 MW-2R	Aqueous	Naphthalene	8260D	2300		ug/L	36
027	02314 MW-2R	Aqueous	Toluene	8260D	19000		ug/L	36
027	02314 MW-2R	Aqueous	Xylenes (total)	8260D	28000		ug/L	36
028	02314 RW-1	Aqueous	tert-Amyl alcohol (TAA)	8260D	4300		ug/L	37
028	02314 RW-1	Aqueous	Benzene	8260D	1700		ug/L	37
028	02314 RW-1	Aqueous	Diisopropyl ether (IPE)	8260D	39		ug/L	37
028	02314 RW-1	Aqueous	Ethanol	8260D	1700		ug/L	37
028	02314 RW-1	Aqueous	Ethylbenzene	8260D	550		ug/L	37
028	02314 RW-1	Aqueous	Methyl tertiary butyl ether	8260D	4.9	J	ug/L	37
028	02314 RW-1	Aqueous	Naphthalene	8260D	130		ug/L	37
028	02314 RW-1	Aqueous	Toluene	8260D	8000		ug/L	37
028	02314 RW-1	Aqueous	Xylenes (total)	8260D	4400		ug/L	37
028	02314 RW-1	Aqueous	1,2-Dibromoethane (EDB)	8011	0.19		ug/L	37
029	02314 MW-15	Aqueous	tert-Amyl alcohol (TAA)	8260D	3600		ug/L	38
029	02314 MW-15	Aqueous	Benzene	8260D	1400		ug/L	38
029	02314 MW-15	Aqueous	Ethylbenzene	8260D	980		ug/L	38
029	02314 MW-15	Aqueous	Naphthalene	8260D	230		ug/L	38
029	02314 MW-15	Aqueous	Toluene	8260D	4500		ug/L	38
029	02314 MW-15	Aqueous	Xylenes (total)	8260D	3500		ug/L	38
030	02314 Dup-1	Aqueous	tert-Amyl alcohol (TAA)	8260D	3000		ug/L	39
030	02314 Dup-1	Aqueous	Benzene	8260D	1100	H	ug/L	39
030	02314 Dup-1	Aqueous	Diisopropyl ether (IPE)	8260D	1.7		ug/L	39
030	02314 Dup-1	Aqueous	Ethylbenzene	8260D	850	H	ug/L	39



## Detection Summary (Continued)

Lot Number: XJ17025

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
030	02314 Dup-1	Aqueous	Naphthalene	8260D	38		ug/L	39
030	02314 Dup-1	Aqueous	tert-butyl alcohol (TBA)	8260D	36		ug/L	39
030	02314 Dup-1	Aqueous	Toluene	8260D	4100	H	ug/L	39
030	02314 Dup-1	Aqueous	Xylenes (total)	8260D	3200	H	ug/L	39
031	02314 MW-13	Aqueous	tert-Amyl alcohol (TAA)	8260D	20000		ug/L	40
031	02314 MW-13	Aqueous	Benzene	8260D	6600		ug/L	40
031	02314 MW-13	Aqueous	Diisopropyl ether (IPE)	8260D	130		ug/L	40
031	02314 MW-13	Aqueous	Ethylbenzene	8260D	2100		ug/L	40
031	02314 MW-13	Aqueous	Methyl tertiary butyl ether	8260D	42	J	ug/L	40
031	02314 MW-13	Aqueous	Naphthalene	8260D	440		ug/L	40
031	02314 MW-13	Aqueous	Toluene	8260D	16000		ug/L	40
031	02314 MW-13	Aqueous	Xylenes (total)	8260D	9100		ug/L	40
032	02314 MW-20	Aqueous	tert-Amyl alcohol (TAA)	8260D	7000		ug/L	41
032	02314 MW-20	Aqueous	Benzene	8260D	2900		ug/L	41
032	02314 MW-20	Aqueous	Diisopropyl ether (IPE)	8260D	48	J	ug/L	41
032	02314 MW-20	Aqueous	Ethylbenzene	8260D	1200		ug/L	41
032	02314 MW-20	Aqueous	Naphthalene	8260D	370		ug/L	41
032	02314 MW-20	Aqueous	Toluene	8260D	5200		ug/L	41
032	02314 MW-20	Aqueous	Xylenes (total)	8260D	7300		ug/L	41
033	02314 RW-5	Aqueous	tert-Amyl alcohol (TAA)	8260D	5400		ug/L	42
033	02314 RW-5	Aqueous	Benzene	8260D	1000		ug/L	42
033	02314 RW-5	Aqueous	Diisopropyl ether (IPE)	8260D	18		ug/L	42
033	02314 RW-5	Aqueous	Ethanol	8260D	2700		ug/L	42
033	02314 RW-5	Aqueous	Ethylbenzene	8260D	400		ug/L	42
033	02314 RW-5	Aqueous	Methyl tertiary butyl ether	8260D	5.1	J	ug/L	42
033	02314 RW-5	Aqueous	Naphthalene	8260D	110		ug/L	42
033	02314 RW-5	Aqueous	tert-butyl alcohol (TBA)	8260D	88	J	ug/L	42
033	02314 RW-5	Aqueous	Toluene	8260D	1600		ug/L	42
033	02314 RW-5	Aqueous	Xylenes (total)	8260D	1900		ug/L	42
034	02314 Dup-2	Aqueous	tert-Amyl alcohol (TAA)	8260D	5300		ug/L	43
034	02314 Dup-2	Aqueous	Benzene	8260D	1000		ug/L	43
034	02314 Dup-2	Aqueous	Diisopropyl ether (IPE)	8260D	18		ug/L	43
034	02314 Dup-2	Aqueous	Ethanol	8260D	2700		ug/L	43
034	02314 Dup-2	Aqueous	Ethylbenzene	8260D	380		ug/L	43
034	02314 Dup-2	Aqueous	Methyl tertiary butyl ether	8260D	4.3	J	ug/L	43
034	02314 Dup-2	Aqueous	Naphthalene	8260D	120		ug/L	43
034	02314 Dup-2	Aqueous	tert-butyl alcohol (TBA)	8260D	87	J	ug/L	43
034	02314 Dup-2	Aqueous	Toluene	8260D	1500		ug/L	43
034	02314 Dup-2	Aqueous	Xylenes (total)	8260D	1800		ug/L	43
035	02314 RW-2	Aqueous	tert-Amyl alcohol (TAA)	8260D	20000		ug/L	44
035	02314 RW-2	Aqueous	Benzene	8260D	2900		ug/L	44
035	02314 RW-2	Aqueous	Diisopropyl ether (IPE)	8260D	130		ug/L	44
035	02314 RW-2	Aqueous	Ethylbenzene	8260D	750		ug/L	44
035	02314 RW-2	Aqueous	Methyl tertiary butyl ether	8260D	46	J	ug/L	44
035	02314 RW-2	Aqueous	Naphthalene	8260D	190		ug/L	44
035	02314 RW-2	Aqueous	Toluene	8260D	5600		ug/L	44
035	02314 RW-2	Aqueous	Xylenes (total)	8260D	4600		ug/L	44

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**Detection Summary (Continued)**

**Lot Number: XJ17025**

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<b>Sample</b>	<b>Sample ID</b>	<b>Matrix</b>	<b>Parameter</b>	<b>Method</b>	<b>Result</b>	<b>Q</b>	<b>Units</b>	<b>Page</b>
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(140 detections)

Description: 02314 FB-1

Matrix: Aqueous

Date Sampled: 10/12/2022 1140

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/24/2022 2321	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		98	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1301	SAF	10/25/2022 0015	58005		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		81	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 DW-1

Matrix: Aqueous

Date Sampled: 10/12/2022 1221

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/24/2022 2344	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		95	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1312	SAF	10/25/2022 0015	58005

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		64	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-10

Matrix: Aqueous

Date Sampled: 10/12/2022 1240

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/25/2022 0006	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		98	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1416	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		62	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Description: 02314 MW-9

Matrix: Aqueous

Date Sampled: 10/12/2022 1256

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0028	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		98	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		97	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1427	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		66	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-11

Matrix: Aqueous

Date Sampled: 10/12/2022 1310

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/25/2022 0050	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		101	70-130
Bromofluorobenzene		101	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1438	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		84	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure



Description: 02314 MW-6

Matrix: Aqueous

Date Sampled: 10/12/2022 1339

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/25/2022 0113	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		98	70-130
Bromofluorobenzene		99	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1448	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		63	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Description: 02314 MW-28

Matrix: Aqueous

Date Sampled: 10/12/2022 1418

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/25/2022 0136	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		96	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1510	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		60	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Description: 02314 MW-16

Matrix: Aqueous

Date Sampled: 10/12/2022 1440

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0157	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		97	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1532	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		67	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-18

Matrix: Aqueous

Date Sampled: 10/12/2022 1500

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0220	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		93	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		97	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1542	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		65	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 DW-2

Matrix: Aqueous

Date Sampled: 10/12/2022 1526

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0243	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		99	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1553	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0051	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		70	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-21

Matrix: Aqueous

Date Sampled: 10/12/2022 1540

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0305	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		95	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1604	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0051	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		63	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-22

Matrix: Aqueous

Date Sampled: 10/12/2022 1555

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0327	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		98	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		96	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1615	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		85	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-30

Matrix: Aqueous

Date Sampled: 10/12/2022 1620

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260D	10	10/25/2022 0604	SDC		58020			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)		75-85-4	8260D	1900		200	80	ug/L	1	
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		100	4.2	ug/L	1	
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>590</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>	
tert-Butyl formate (TBF)		762-75-4	8260D	ND		50	20	ug/L	1	
1,2-Dichloroethane		107-06-2	8260D	ND		10	4.0	ug/L	1	
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>5.4 J</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>	
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		200	80	ug/L	1	
Ethanol		64-17-5	8260D	ND		1000	520	ug/L	1	
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>37</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>	
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		10	4.0	ug/L	1	
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		10	4.0	ug/L	1	
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>12</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>	
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		200	80	ug/L	1	
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>20</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>	
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>18</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
1,2-Dichloroethane-d4		93	70-130							
Toluene-d8		99	70-130							
Bromofluorobenzene		96	70-130							

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	8011	8011	1	10/26/2022 1626	SAF	10/25/2022 0015	58006			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.021	0.0052	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
1,1,1,2-Tetrachloroethane		64	57-137							

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-29

Matrix: Aqueous

Date Sampled: 10/12/2022 1634

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/25/2022 0349	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		99	70-130
Bromofluorobenzene		100	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1636	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.019	0.0048	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		76	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Description: 02314 DW-3

Matrix: Aqueous

Date Sampled: 10/12/2022 1705

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/25/2022 0412	SDC		58020

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		95	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1647	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		65	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Description: 02314 MW-26

Matrix: Aqueous

Date Sampled: 10/12/2022 1719

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0435	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Toluene-d8		97	70-130						
Bromofluorobenzene		95	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1658	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.019	0.0049	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		61	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-27

Matrix: Aqueous

Date Sampled: 10/12/2022 1810

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	5	10/25/2022 0519	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	2100		100	40	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		50	2.1	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>340</b>		<b>5.0</b>	<b>2.0</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND S		25	10	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		5.0	2.0	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>8.9</b>		<b>5.0</b>	<b>2.0</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		100	40	ug/L	1
Ethanol		64-17-5	8260D	ND		500	260	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>31</b>		<b>5.0</b>	<b>2.0</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		5.0	2.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		5.0	2.0	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>6.6</b>		<b>5.0</b>	<b>2.0</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	50 J		100	40	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>2.8 J</b>		<b>5.0</b>	<b>2.0</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>12</b>		<b>5.0</b>	<b>2.0</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		94	70-130						
Toluene-d8		98	70-130						
Bromofluorobenzene		99	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1709	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		73	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-12

Matrix: Aqueous

Date Sampled: 10/12/2022 1837

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0457	SDC		58020		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	1000		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>58</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>38</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>20</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	28		20	8.0	ug/L	1
Toluene		108-88-3	8260D	4.2		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	31		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		95	70-130						
Bromofluorobenzene		100	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1719	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0051	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		73	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-3

Matrix: Aqueous

Date Sampled: 10/12/2022 1854

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
2	5030B	8260D	1	10/26/2022 1118	BLM		58235			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)		75-85-4	8260D	100		20	8.0	ug/L	2	
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	2	
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>12</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>2</b>	
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	2	
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	2	
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	2	
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	2	
Ethanol		64-17-5	8260D	ND		100	52	ug/L	2	
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>7.5</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>2</b>	
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	2	
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	2	
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>6.5</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>2</b>	
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	2	
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>3.7</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>2</b>	
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>18</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>2</b>	
Surrogate	Q	Run 2 % Recovery	Acceptance Limits							
1,2-Dichloroethane-d4		90	70-130							
Toluene-d8		97	70-130							
Bromofluorobenzene		99	70-130							

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	8011	8011	1	10/26/2022 1730	SAF	10/25/2022 0015	58006			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0051	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
1,1,1,2-Tetrachloroethane		72	57-137							

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 RW-3

Matrix: Aqueous

Date Sampled: 10/12/2022 1938

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 0143	SDC		58019		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	8.8	J	20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>27</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>5.3</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>0.52</b>	<b>J</b>	<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>25</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>43</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1740	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		59	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 FB-2

Matrix: Aqueous

Date Sampled: 10/13/2022 0755

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/26/2022 0106	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		102	70-130						
Toluene-d8		105	70-130						
Bromofluorobenzene		101	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/26/2022 1751	SAF	10/25/2022 0015	58006		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		85	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-25

Matrix: Aqueous

Date Sampled: 10/13/2022 0830

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/26/2022 0411	SDC		58175
2	5030B	8260D	20	10/27/2022 1829	BLM		58398

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	1200		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
<b>Benzene</b>	<b>71-43-2</b>	<b>8260D</b>	<b>210</b>		<b>20</b>	<b>8.0</b>	<b>ug/L</b>	<b>2</b>
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
<b>Diisopropyl ether (IPE)</b>	<b>108-20-3</b>	<b>8260D</b>	<b>2.6</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
<b>Naphthalene</b>	<b>91-20-3</b>	<b>8260D</b>	<b>8.3</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)	75-65-0	8260D	18 J		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		20	8.0	ug/L	2
<b>Xylenes (total)</b>	<b>1330-20-7</b>	<b>8260D</b>	<b>92</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>

Surrogate	Q	Run 1		Q	Run 2	
		% Recovery	Acceptance Limits		% Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130		84	70-130
Toluene-d8		107	70-130		96	70-130
Bromofluorobenzene		106	70-130		97	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/26/2022 1802	SAF	10/25/2022 0015	58006

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.021	0.0052	ug/L	1

Surrogate	Q	Run 1	
		% Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		70	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-24

Matrix: Aqueous

Date Sampled: 10/13/2022 0857

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	10/26/2022 0628	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	3300		2000	800	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		1000	42	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>3700</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		100	40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		100	40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol		64-17-5	8260D	ND		10000	5200	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>1300</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		100	40	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>230</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		2000	800	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>12000</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>6600</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		101	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1310	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		76	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-23

Matrix: Aqueous

Date Sampled: 10/13/2022 0922

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	10/26/2022 0520	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	4500		1000	400	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		500	21	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>1300</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		50	20	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol		64-17-5	8260D	ND		5000	2600	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>440</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		50	20	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>140</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		1000	400	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>4300</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>2400</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		101	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1320	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.019	0.0049	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		76	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-8

Matrix: Aqueous

Date Sampled: 10/13/2022 0943

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	10	10/26/2022 0434	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	5700		200	80	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		100	4.2	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>580</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND S		50	20	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		10	4.0	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>14</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		200	80	ug/L	1
Ethanol		64-17-5	8260D	ND		1000	520	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>180</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		10	4.0	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		10	4.0	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>27 S</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	140 J		200	80	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>140</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>2400</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		99	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		103	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1331	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0051	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		67	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-7

Matrix: Aqueous

Date Sampled: 10/13/2022 1000

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	10/26/2022 0713	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	23000		2000	800	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		1000	42	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>5200</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		100	40	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>180</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol		64-17-5	8260D	ND		10000	5200	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>1500</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		100	40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		100	40	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>460</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		2000	800	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>15000</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>7800</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		105	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		107	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1352	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	0.66		0.020	0.0051	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		76	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 MW-2R

Matrix: Aqueous

Date Sampled: 10/13/2022 1029

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
2	5030B	8260D	2000	10/27/2022 1936	BLM		58398		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		40000	16000	ug/L	2
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		20000	840	ug/L	2
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>2800</b>		<b>2000</b>	<b>800</b>	<b>ug/L</b>	<b>2</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		10000	4000	ug/L	2
1,2-Dichloroethane		107-06-2	8260D	ND		2000	800	ug/L	2
Diisopropyl ether (IPE)		108-20-3	8260D	ND		2000	800	ug/L	2
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		40000	16000	ug/L	2
Ethanol		64-17-5	8260D	ND		200000	100000	ug/L	2
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>5800</b>		<b>2000</b>	<b>800</b>	<b>ug/L</b>	<b>2</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		2000	800	ug/L	2
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		2000	800	ug/L	2
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>2300</b>		<b>2000</b>	<b>800</b>	<b>ug/L</b>	<b>2</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		40000	16000	ug/L	2
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>19000</b>		<b>2000</b>	<b>800</b>	<b>ug/L</b>	<b>2</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>28000</b>		<b>2000</b>	<b>800</b>	<b>ug/L</b>	<b>2</b>
Surrogate	Q	Run 2 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		89	70-130						
Toluene-d8		95	70-130						
Bromofluorobenzene		100	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1403	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0049	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		68	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 RW-1

Matrix: Aqueous

Date Sampled: 10/13/2022 1103

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	10/26/2022 0457	SDC		58175
2	5030B	8260D	50	10/27/2022 1851	BLM		58398

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	4300		200	80	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		100	4.2	ug/L	1
<b>Benzene</b>	<b>71-43-2</b>	<b>8260D</b>	<b>1700</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)	762-75-4	8260D	ND		50	20	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		10	4.0	ug/L	1
<b>Diisopropyl ether (IPE)</b>	<b>108-20-3</b>	<b>8260D</b>	<b>39</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		200	80	ug/L	1
<b>Ethanol</b>	<b>64-17-5</b>	<b>8260D</b>	<b>1700</b>		<b>1000</b>	<b>520</b>	<b>ug/L</b>	<b>1</b>
<b>Ethylbenzene</b>	<b>100-41-4</b>	<b>8260D</b>	<b>550</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		10	4.0	ug/L	1
<b>Methyl tertiary butyl ether (MTBE)</b>	<b>1634-04-4</b>	<b>8260D</b>	<b>4.9 J</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
<b>Naphthalene</b>	<b>91-20-3</b>	<b>8260D</b>	<b>130</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		200	80	ug/L	1
<b>Toluene</b>	<b>108-88-3</b>	<b>8260D</b>	<b>8000</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>2</b>
<b>Xylenes (total)</b>	<b>1330-20-7</b>	<b>8260D</b>	<b>4400</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>2</b>

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130		86	70-130
Toluene-d8		102	70-130		95	70-130
Bromofluorobenzene		104	70-130		98	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/27/2022 1414	SAF	10/26/2022 2104	58303

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	0.19		0.020	0.0050	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		74	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: 02314 MW-15

Matrix: Aqueous

Date Sampled: 10/13/2022 1127

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	10/26/2022 0543	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	3600		1000	400	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		500	21	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>1400</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		50	20	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		50	20	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol		64-17-5	8260D	ND		5000	2600	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>980</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		50	20	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>230</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		1000	400	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>4500</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>3500</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		101	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1435	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.021	0.0053	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		76	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Description: 02314 Dup-1

Matrix: Aqueous

Date Sampled: 10/13/2022 1129

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/26/2022 0348	SDC		58175
3	5030B	8260D	50	11/02/2022 1542	CJJ		58935

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	3000		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
<b>Benzene</b>	<b>71-43-2</b>	<b>8260D</b>	<b>1100</b>	<b>H</b>	<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>3</b>
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
<b>Diisopropyl ether (IPE)</b>	<b>108-20-3</b>	<b>8260D</b>	<b>1.7</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
<b>Ethylbenzene</b>	<b>100-41-4</b>	<b>8260D</b>	<b>850</b>	<b>H</b>	<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>3</b>
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
<b>Naphthalene</b>	<b>91-20-3</b>	<b>8260D</b>	<b>38</b>		<b>1.0</b>	<b>0.40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)	75-65-0	8260D	36		20	8.0	ug/L	1
<b>Toluene</b>	<b>108-88-3</b>	<b>8260D</b>	<b>4100</b>	<b>H</b>	<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>3</b>
<b>Xylenes (total)</b>	<b>1330-20-7</b>	<b>8260D</b>	<b>3200</b>	<b>H</b>	<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>3</b>

Surrogate	Q	Run 1		Q	Run 3	
		% Recovery	Acceptance Limits		% Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130	H	85	70-130
Toluene-d8		104	70-130	H	99	70-130
Bromofluorobenzene		102	70-130	H	94	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/27/2022 1446	SAF	10/26/2022 2104	58303

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1	
		% Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		67	57-137

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-13

Matrix: Aqueous

Date Sampled: 10/13/2022 1152

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	100	10/26/2022 0651	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	20000		2000	800	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		1000	42	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>6600</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		500	200	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		100	40	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>130</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		2000	800	ug/L	1
Ethanol		64-17-5	8260D	ND		10000	5200	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>2100</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		100	40	ug/L	1
<b>Methyl tertiary butyl ether (MTBE)</b>		<b>1634-04-4</b>	<b>8260D</b>	<b>42 J</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>440</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		2000	800	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>16000</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>9100</b>		<b>100</b>	<b>40</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		103	70-130						
Bromofluorobenzene		107	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1457	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0049	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		77	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 MW-20

Matrix: Aqueous

Date Sampled: 10/13/2022 1212

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	10/26/2022 0605	SDC		58175		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	7000		1000	400	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		500	21	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>2900</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		50	20	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>48 J</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol		64-17-5	8260D	ND		5000	2600	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>1200</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		50	20	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		50	20	ug/L	1
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>370</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		1000	400	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>5200</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>7300</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		103	70-130						
Toluene-d8		104	70-130						
Bromofluorobenzene		104	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1508	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0051	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		69	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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Description: 02314 RW-5

Matrix: Aqueous

Date Sampled: 10/13/2022 1300

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	10	10/26/2022 0346	JMM2		58189		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	5400		200	80	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		100	4.2	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>1000</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND S		50	20	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		10	4.0	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>18</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		200	80	ug/L	1
<b>Ethanol</b>		<b>64-17-5</b>	<b>8260D</b>	<b>2700</b>		<b>1000</b>	<b>520</b>	<b>ug/L</b>	<b>1</b>
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>400</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		10	4.0	ug/L	1
<b>Methyl tertiary butyl ether (MTBE)</b>		<b>1634-04-4</b>	<b>8260D</b>	<b>5.1 J</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>110</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	88 J		200	80	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>1600</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>1900</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		95	70-130						
Bromofluorobenzene		94	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1518	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		92	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 Dup-2

Matrix: Aqueous

Date Sampled: 10/13/2022 1302

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	10	10/26/2022 0411	JMM2		58189		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	5300		200	80	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		100	4.2	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>1000</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		50	20	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		10	4.0	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>18</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		200	80	ug/L	1
<b>Ethanol</b>		<b>64-17-5</b>	<b>8260D</b>	<b>2700</b>		<b>1000</b>	<b>520</b>	<b>ug/L</b>	<b>1</b>
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>380</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		10	4.0	ug/L	1
<b>Methyl tertiary butyl ether (MTBE)</b>		<b>1634-04-4</b>	<b>8260D</b>	<b>4.3 J</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>120</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	87 J		200	80	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>1500</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>1800</b>		<b>10</b>	<b>4.0</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Toluene-d8		96	70-130						
Bromofluorobenzene		97	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1529	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0049	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		73	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 RW-2

Matrix: Aqueous

Date Sampled: 10/13/2022 1405

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	50	10/26/2022 0550	JMM2		58189		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	20000		1000	400	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		500	21	ug/L	1
<b>Benzene</b>		<b>71-43-2</b>	<b>8260D</b>	<b>2900</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-Butyl formate (TBF)		762-75-4	8260D	ND		250	100	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		50	20	ug/L	1
<b>Diisopropyl ether (IPE)</b>		<b>108-20-3</b>	<b>8260D</b>	<b>130</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		1000	400	ug/L	1
Ethanol		64-17-5	8260D	ND		5000	2600	ug/L	1
<b>Ethylbenzene</b>		<b>100-41-4</b>	<b>8260D</b>	<b>750</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		50	20	ug/L	1
<b>Methyl tertiary butyl ether (MTBE)</b>		<b>1634-04-4</b>	<b>8260D</b>	<b>46 J</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
<b>Naphthalene</b>		<b>91-20-3</b>	<b>8260D</b>	<b>190</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		1000	400	ug/L	1
<b>Toluene</b>		<b>108-88-3</b>	<b>8260D</b>	<b>5600</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
<b>Xylenes (total)</b>		<b>1330-20-7</b>	<b>8260D</b>	<b>4600</b>		<b>50</b>	<b>20</b>	<b>ug/L</b>	<b>1</b>
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		95	70-130						
Toluene-d8		95	70-130						
Bromofluorobenzene		93	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	8011	8011	1	10/27/2022 1540	SAF	10/26/2022 2104	58303		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	8011	ND		0.020	0.0050	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		76	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 SW-1

Matrix: Aqueous

Date Sampled: 10/13/2022 1415

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	10/26/2022 0054	JMM2		58189

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)	75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)	994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)	762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)	108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol	624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol	64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)	637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene	91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)	75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		95	70-130

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	8011	8011	1	10/27/2022 1551	SAF	10/26/2022 2104	58303

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)	106-93-4	8011	ND		0.020	0.0049	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,1,1,2-Tetrachloroethane		63	57-137

LOQ = Limit of Quantitation      B = Detected in the method blank      E = Quantitation of compound exceeded the calibration range      DL = Detection Limit      Q = Surrogate failure  
 ND = Not detected at or above the DL      N = Recovery is out of criteria      P = The RPD between two GC columns exceeds 40%      J = Estimated result < LOQ and ≥ DL      L = LCS/LCSD failure  
 H = Out of holding time      W = Reported on wet weight basis      S = MS/MSD failure

Description: 02314 Trip Blank

Matrix: Aqueous

Date Sampled: 10/13/2022

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 2315	JMM2		58189		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		96	70-130						
Toluene-d8		96	70-130						
Bromofluorobenzene		94	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: 02314 Trip Blank

Matrix: Aqueous

Date Sampled: 10/13/2022

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 2340	JMM2		58189		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
Benzene		71-43-2	8260D	ND		1.0	0.40	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
1,2-Dichloroethane		107-06-2	8260D	ND		1.0	0.40	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethylbenzene		100-41-4	8260D	ND		1.0	0.40	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
Methyl tertiary butyl ether (MTBE)		1634-04-4	8260D	ND		1.0	0.40	ug/L	1
Naphthalene		91-20-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Toluene		108-88-3	8260D	ND		1.0	0.40	ug/L	1
Xylenes (total)		1330-20-7	8260D	ND		1.0	0.40	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		97	70-130						
Toluene-d8		97	70-130						
Bromofluorobenzene		96	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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## QC Summary

## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58019-001

Matrix: Aqueous

Batch: 58019

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/24/2022 2318
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/24/2022 2318
Benzene	ND		1	1.0	0.40	ug/L	10/24/2022 2318
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/24/2022 2318
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	10/24/2022 2318
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/24/2022 2318
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/24/2022 2318
Ethanol	ND		1	100	52	ug/L	10/24/2022 2318
Ethylbenzene	ND		1	1.0	0.40	ug/L	10/24/2022 2318
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/24/2022 2318
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	10/24/2022 2318
Naphthalene	ND		1	1.0	0.40	ug/L	10/24/2022 2318
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/24/2022 2318
Toluene	ND		1	1.0	0.40	ug/L	10/24/2022 2318
Xylenes (total)	ND		1	1.0	0.40	ug/L	10/24/2022 2318
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		103	70-130				
Toluene-d8		105	70-130				
Bromofluorobenzene		105	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58019-002

Matrix: Aqueous

Batch: 58019

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	110	70-130	10/24/2022 2207
tert-Amyl methyl ether (TAME)	50	55		1	109	70-130	10/24/2022 2207
Benzene	50	55		1	110	70-130	10/24/2022 2207
tert-Butyl formate (TBF)	250	320		1	129	70-130	10/24/2022 2207
1,2-Dichloroethane	50	58		1	115	70-130	10/24/2022 2207
Diisopropyl ether (IPE)	50	55		1	111	70-130	10/24/2022 2207
3,3-Dimethyl-1-butanol	1000	1100		1	111	70-130	10/24/2022 2207
Ethanol	5000	4900		1	99	70-130	10/24/2022 2207
Ethylbenzene	50	52		1	103	70-130	10/24/2022 2207
Ethyl-tert-butyl ether (ETBE)	50	56		1	112	70-130	10/24/2022 2207
Methyl tertiary butyl ether (MTBE)	50	58		1	117	70-130	10/24/2022 2207

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58019-002

Matrix: Aqueous

Batch: 58019

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	51		1	101	70-130	10/24/2022 2207
tert-butyl alcohol (TBA)	1000	1000		1	104	70-130	10/24/2022 2207
Toluene	50	53		1	106	70-130	10/24/2022 2207
Xylenes (total)	100	100		1	103	70-130	10/24/2022 2207
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		114	70-130				
Toluene-d8		108	70-130				
Bromofluorobenzene		105	70-130				

## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58020-001

Matrix: Aqueous

Batch: 58020

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/24/2022 2148
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/24/2022 2148
Benzene	ND		1	1.0	0.40	ug/L	10/24/2022 2148
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/24/2022 2148
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	10/24/2022 2148
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/24/2022 2148
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/24/2022 2148
Ethanol	ND		1	100	52	ug/L	10/24/2022 2148
Ethylbenzene	ND		1	1.0	0.40	ug/L	10/24/2022 2148
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/24/2022 2148
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	10/24/2022 2148
Naphthalene	ND		1	1.0	0.40	ug/L	10/24/2022 2148
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/24/2022 2148
Toluene	ND		1	1.0	0.40	ug/L	10/24/2022 2148
Xylenes (total)	ND		1	1.0	0.40	ug/L	10/24/2022 2148
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		93	70-130				
Toluene-d8		100	70-130				
Bromofluorobenzene		98	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58020-002

Matrix: Aqueous

Batch: 58020

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1000		1	101	70-130	10/24/2022 2046
tert-Amyl methyl ether (TAME)	50	52		1	103	70-130	10/24/2022 2046
Benzene	50	50		1	100	70-130	10/24/2022 2046
tert-Butyl formate (TBF)	250	250		1	101	70-130	10/24/2022 2046
1,2-Dichloroethane	50	50		1	100	70-130	10/24/2022 2046
Diisopropyl ether (IPE)	50	53		1	106	70-130	10/24/2022 2046
3,3-Dimethyl-1-butanol	1000	1100		1	110	70-130	10/24/2022 2046
Ethanol	5000	4900		1	98	70-130	10/24/2022 2046
Ethylbenzene	50	51		1	101	70-130	10/24/2022 2046
Ethyl-tert-butyl ether (ETBE)	50	48		1	96	70-130	10/24/2022 2046
Methyl tertiary butyl ether (MTBE)	50	49		1	99	70-130	10/24/2022 2046
Naphthalene	50	55		1	110	70-130	10/24/2022 2046
tert-butyl alcohol (TBA)	1000	990		1	99	70-130	10/24/2022 2046
Toluene	50	52		1	103	70-130	10/24/2022 2046
Xylenes (total)	100	100		1	101	70-130	10/24/2022 2046
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		102	70-130				
Bromofluorobenzene		101	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: XJ17025-017MS

Matrix: Aqueous

Batch: 58020

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	2100	5000	6700		5	93	70-130	10/25/2022 0650
tert-Amyl methyl ether (TAME)	ND	250	240		5	96	70-130	10/25/2022 0650
Benzene	340	250	610		5	106	70-130	10/25/2022 0650
tert-Butyl formate (TBF)	ND	1300	270	N	5	21	70-130	10/25/2022 0650
1,2-Dichloroethane	ND	250	240		5	95	70-130	10/25/2022 0650
Diisopropyl ether (IPE)	8.9	250	240		5	93	70-130	10/25/2022 0650
3,3-Dimethyl-1-butanol	ND	5000	4400		5	87	70-130	10/25/2022 0650
Ethanol	ND	25000	22000		5	90	70-130	10/25/2022 0650
Ethylbenzene	31	250	260		5	90	70-130	10/25/2022 0650
Ethyl-tert-butyl ether (ETBE)	ND	250	230		5	91	70-130	10/25/2022 0650
Methyl tertiary butyl ether (MTBE)	ND	250	230		5	92	70-130	10/25/2022 0650

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MS

Sample ID: XJ17025-017MS

Matrix: Aqueous

Batch: 58020

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	6.6	250	230		5	88	70-130	10/25/2022 0650
tert-butyl alcohol (TBA)	50	5000	4700		5	93	70-130	10/25/2022 0650
Toluene	2.8	250	230		5	91	70-130	10/25/2022 0650
Xylenes (total)	12	500	450		5	88	70-130	10/25/2022 0650
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		90	70-130					
Toluene-d8		89	70-130					
Bromofluorobenzene		86	70-130					

## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58175-001

Matrix: Aqueous

Batch: 58175

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/25/2022 2311
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/25/2022 2311
Benzene	ND		1	1.0	0.40	ug/L	10/25/2022 2311
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/25/2022 2311
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	10/25/2022 2311
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/25/2022 2311
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/25/2022 2311
Ethanol	ND		1	100	52	ug/L	10/25/2022 2311
Ethylbenzene	ND		1	1.0	0.40	ug/L	10/25/2022 2311
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/25/2022 2311
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	10/25/2022 2311
Naphthalene	ND		1	1.0	0.40	ug/L	10/25/2022 2311
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/25/2022 2311
Toluene	ND		1	1.0	0.40	ug/L	10/25/2022 2311
Xylenes (total)	ND		1	1.0	0.40	ug/L	10/25/2022 2311
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		102	70-130				
Toluene-d8		104	70-130				
Bromofluorobenzene		102	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58175-002

Matrix: Aqueous

Batch: 58175

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	1100		1	109	70-130	10/25/2022 2204
tert-Amyl methyl ether (TAME)	50	55		1	111	70-130	10/25/2022 2204
Benzene	50	55		1	110	70-130	10/25/2022 2204
tert-Butyl formate (TBF)	250	310		1	122	70-130	10/25/2022 2204
1,2-Dichloroethane	50	58		1	116	70-130	10/25/2022 2204
Diisopropyl ether (IPE)	50	55		1	110	70-130	10/25/2022 2204
3,3-Dimethyl-1-butanol	1000	1100		1	110	70-130	10/25/2022 2204
Ethanol	5000	5000		1	99	70-130	10/25/2022 2204
Ethylbenzene	50	51		1	102	70-130	10/25/2022 2204
Ethyl-tert-butyl ether (ETBE)	50	56		1	113	70-130	10/25/2022 2204
Methyl tertiary butyl ether (MTBE)	50	59		1	119	70-130	10/25/2022 2204
Naphthalene	50	51		1	102	70-130	10/25/2022 2204
tert-butyl alcohol (TBA)	1000	1100		1	105	70-130	10/25/2022 2204
Toluene	50	53		1	105	70-130	10/25/2022 2204
Xylenes (total)	100	100		1	102	70-130	10/25/2022 2204
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		115	70-130				
Toluene-d8		109	70-130				
Bromofluorobenzene		105	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: XJ17025-025MS

Matrix: Aqueous

Batch: 58175

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	5700	10000	16000		10	106	70-130	10/26/2022 0759
tert-Amyl methyl ether (TAME)	ND	500	540		10	108	70-130	10/26/2022 0759
Benzene	580	500	1100		10	108	70-130	10/26/2022 0759
tert-Butyl formate (TBF)	ND	2500	1300	N	10	54	70-130	10/26/2022 0759
1,2-Dichloroethane	ND	500	610		10	121	70-130	10/26/2022 0759
Diisopropyl ether (IPE)	14	500	590		10	115	70-130	10/26/2022 0759
3,3-Dimethyl-1-butanol	ND	10000	9700		10	97	70-130	10/26/2022 0759
Ethanol	ND	50000	48000		10	96	70-130	10/26/2022 0759
Ethylbenzene	180	500	710		10	107	70-130	10/26/2022 0759
Ethyl-tert-butyl ether (ETBE)	ND	500	560		10	112	70-130	10/26/2022 0759
Methyl tertiary butyl ether (MTBE)	ND	500	570		10	114	70-130	10/26/2022 0759

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MS

Sample ID: XJ17025-025MS

Matrix: Aqueous

Batch: 58175

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	27	500	340	N	10	62	70-130	10/26/2022 0759
tert-butyl alcohol (TBA)	140	10000	11000		10	110	70-130	10/26/2022 0759
Toluene	140	500	700		10	111	70-130	10/26/2022 0759
Xylenes (total)	2400	1000	3400		10	97	70-130	10/26/2022 0759
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		116	70-130					
Toluene-d8		115	70-130					
Bromofluorobenzene		106	70-130					

## Volatile Organic Compounds by GC/MS - MSD

Sample ID: XJ17025-025MD

Matrix: Aqueous

Batch: 58175

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	5700	10000	16000		10	106	0.25	70-130	20	10/26/2022 0935
tert-Amyl methyl ether (TAME)	ND	500	530		10	106	2.0	70-130	20	10/26/2022 0935
Benzene	580	500	1200		10	120	5.1	70-130	20	10/26/2022 0935
tert-Butyl formate (TBF)	ND	2500	1100	N,+	10	42	23	70-130	20	10/26/2022 0935
1,2-Dichloroethane	ND	500	610		10	122	0.37	70-130	20	10/26/2022 0935
Diisopropyl ether (IPE)	14	500	570		10	112	2.7	70-130	20	10/26/2022 0935
3,3-Dimethyl-1-butanol	ND	10000	9200		10	92	6.1	70-130	20	10/26/2022 0935
Ethanol	ND	50000	49000		10	98	2.0	70-130	20	10/26/2022 0935
Ethylbenzene	180	500	730		10	110	2.1	70-130	20	10/26/2022 0935
Ethyl-tert-butyl ether (ETBE)	ND	500	550		10	111	1.6	70-130	20	10/26/2022 0935
Methyl tertiary butyl ether (MTBE)	ND	500	560		10	113	0.94	70-130	20	10/26/2022 0935
Naphthalene	27	500	300	N	10	55	11	70-130	20	10/26/2022 0935
tert-butyl alcohol (TBA)	140	10000	11000		10	110	0.15	70-130	20	10/26/2022 0935
Toluene	140	500	710		10	113	1.8	70-130	20	10/26/2022 0935
Xylenes (total)	2400	1000	3600		10	122	6.9	70-130	20	10/26/2022 0935
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		117	70-130							
Toluene-d8		114	70-130							
Bromofluorobenzene		105	70-130							

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58189-001

Matrix: Aqueous

Batch: 58189

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/25/2022 2206
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/25/2022 2206
Benzene	ND		1	1.0	0.40	ug/L	10/25/2022 2206
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/25/2022 2206
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	10/25/2022 2206
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/25/2022 2206
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/25/2022 2206
Ethanol	ND		1	100	52	ug/L	10/25/2022 2206
Ethylbenzene	ND		1	1.0	0.40	ug/L	10/25/2022 2206
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/25/2022 2206
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	10/25/2022 2206
Naphthalene	ND		1	1.0	0.40	ug/L	10/25/2022 2206
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/25/2022 2206
Toluene	ND		1	1.0	0.40	ug/L	10/25/2022 2206
Xylenes (total)	ND		1	1.0	0.40	ug/L	10/25/2022 2206

Surrogate	Q	% Rec	Acceptance Limit
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		97	70-130
Bromofluorobenzene		95	70-130

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58189-002

Matrix: Aqueous

Batch: 58189

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	990		1	99	70-130	10/25/2022 2059
tert-Amyl methyl ether (TAME)	50	47		1	95	70-130	10/25/2022 2059
Benzene	50	48		1	96	70-130	10/25/2022 2059
tert-Butyl formate (TBF)	250	260		1	104	70-130	10/25/2022 2059
1,2-Dichloroethane	50	50		1	99	70-130	10/25/2022 2059
Diisopropyl ether (IPE)	50	49		1	99	70-130	10/25/2022 2059
3,3-Dimethyl-1-butanol	1000	1100		1	108	70-130	10/25/2022 2059
Ethanol	5000	5300		1	107	70-130	10/25/2022 2059
Ethylbenzene	50	46		1	92	70-130	10/25/2022 2059
Ethyl-tert-butyl ether (ETBE)	50	49		1	99	70-130	10/25/2022 2059
Methyl tertiary butyl ether (MTBE)	50	48		1	97	70-130	10/25/2022 2059

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58189-002

Matrix: Aqueous

Batch: 58189

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	49		1	99	70-130	10/25/2022 2059
tert-butyl alcohol (TBA)	1000	990		1	99	70-130	10/25/2022 2059
Toluene	50	47		1	94	70-130	10/25/2022 2059
Xylenes (total)	100	92		1	92	70-130	10/25/2022 2059
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		98	70-130				
Toluene-d8		95	70-130				
Bromofluorobenzene		94	70-130				

## Volatile Organic Compounds by GC/MS - MS

Sample ID: XJ17025-033MS

Matrix: Aqueous

Batch: 58189

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	5400	10000	15000		10	98	70-130	10/26/2022 0729
tert-Amyl methyl ether (TAME)	ND	500	510		10	102	70-130	10/26/2022 0729
Benzene	1000	500	1500		10	99	70-130	10/26/2022 0729
tert-Butyl formate (TBF)	ND	2500	1200	N	10	47	70-130	10/26/2022 0729
1,2-Dichloroethane	ND	500	540		10	107	70-130	10/26/2022 0729
Diisopropyl ether (IPE)	18	500	520		10	100	70-130	10/26/2022 0729
3,3-Dimethyl-1-butanol	ND	10000	10000		10	101	70-130	10/26/2022 0729
Ethanol	2700	50000	58000		10	110	70-130	10/26/2022 0729
Ethylbenzene	400	500	900		10	100	70-130	10/26/2022 0729
Ethyl-tert-butyl ether (ETBE)	ND	500	530		10	105	70-130	10/26/2022 0729
Methyl tertiary butyl ether (MTBE)	5.1	500	510		10	101	70-130	10/26/2022 0729
Naphthalene	110	500	590		10	96	70-130	10/26/2022 0729
tert-butyl alcohol (TBA)	88	10000	10000		10	104	70-130	10/26/2022 0729
Toluene	1600	500	2100	E	10	103	70-130	10/26/2022 0729
Xylenes (total)	1900	1000	3000		10	103	70-130	10/26/2022 0729
Surrogate	Q	% Rec	Acceptance Limit					
1,2-Dichloroethane-d4		100	70-130					
Toluene-d8		102	70-130					
Bromofluorobenzene		99	70-130					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MSD

Sample ID: XJ17025-033MD

Matrix: Aqueous

Batch: 58189

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
tert-Amyl alcohol (TAA)	5400	10000	15000		10	98	0.34	70-130	20	10/26/2022 0754
tert-Amyl methyl ether (TAME)	ND	500	540		10	107	4.8	70-130	20	10/26/2022 0754
Benzene	1000	500	1500		10	100	0.078	70-130	20	10/26/2022 0754
tert-Butyl formate (TBF)	ND	2500	1100	N	10	44	6.9	70-130	20	10/26/2022 0754
1,2-Dichloroethane	ND	500	530		10	106	1.0	70-130	20	10/26/2022 0754
Diisopropyl ether (IPE)	18	500	520		10	100	0.68	70-130	20	10/26/2022 0754
3,3-Dimethyl-1-butanol	ND	10000	10000		10	100	0.82	70-130	20	10/26/2022 0754
Ethanol	2700	50000	57000		10	109	1.2	70-130	20	10/26/2022 0754
Ethylbenzene	400	500	890		10	99	0.80	70-130	20	10/26/2022 0754
Ethyl-tert-butyl ether (ETBE)	ND	500	520		10	105	0.46	70-130	20	10/26/2022 0754
Methyl tertiary butyl ether (MTBE)	5.1	500	510		10	100	0.53	70-130	20	10/26/2022 0754
Naphthalene	110	500	590		10	95	0.97	70-130	20	10/26/2022 0754
tert-butyl alcohol (TBA)	88	10000	11000		10	105	0.52	70-130	20	10/26/2022 0754
Toluene	1600	500	2100	E	10	99	1.0	70-130	20	10/26/2022 0754
Xylenes (total)	1900	1000	2900		10	100	1.3	70-130	20	10/26/2022 0754
Surrogate	Q	% Rec	Acceptance Limit							
1,2-Dichloroethane-d4		99	70-130							
Toluene-d8		99	70-130							
Bromofluorobenzene		97	70-130							

## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58235-001

Matrix: Aqueous

Batch: 58235

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/26/2022 0920
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/26/2022 0920
Benzene	ND		1	1.0	0.40	ug/L	10/26/2022 0920
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/26/2022 0920
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	10/26/2022 0920
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/26/2022 0920
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/26/2022 0920
Ethanol	ND		1	100	52	ug/L	10/26/2022 0920
Ethylbenzene	ND		1	1.0	0.40	ug/L	10/26/2022 0920
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/26/2022 0920
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	10/26/2022 0920

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58235-001

Matrix: Aqueous

Batch: 58235

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Naphthalene	ND		1	1.0	0.40	ug/L	10/26/2022 0920
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/26/2022 0920
Toluene	ND		1	1.0	0.40	ug/L	10/26/2022 0920
Xylenes (total)	ND		1	1.0	0.40	ug/L	10/26/2022 0920
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		91	70-130				
Toluene-d8		97	70-130				
Bromofluorobenzene		98	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58235-002

Matrix: Aqueous

Batch: 58235

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	930		1	93	70-130	10/26/2022 0817
tert-Amyl methyl ether (TAME)	50	50		1	100	70-130	10/26/2022 0817
Benzene	50	49		1	97	70-130	10/26/2022 0817
tert-Butyl formate (TBF)	250	250		1	100	70-130	10/26/2022 0817
1,2-Dichloroethane	50	48		1	96	70-130	10/26/2022 0817
Diisopropyl ether (IPE)	50	49		1	99	70-130	10/26/2022 0817
3,3-Dimethyl-1-butanol	1000	980		1	98	70-130	10/26/2022 0817
Ethanol	5000	4700		1	95	70-130	10/26/2022 0817
Ethylbenzene	50	49		1	97	70-130	10/26/2022 0817
Ethyl-tert-butyl ether (ETBE)	50	47		1	94	70-130	10/26/2022 0817
Methyl tertiary butyl ether (MTBE)	50	48		1	96	70-130	10/26/2022 0817
Naphthalene	50	51		1	101	70-130	10/26/2022 0817
tert-butyl alcohol (TBA)	1000	940		1	94	70-130	10/26/2022 0817
Toluene	50	49		1	99	70-130	10/26/2022 0817
Xylenes (total)	100	97		1	97	70-130	10/26/2022 0817
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		94	70-130				
Toluene-d8		97	70-130				
Bromofluorobenzene		94	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58398-001

Matrix: Aqueous

Batch: 58398

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/27/2022 1117
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/27/2022 1117
Benzene	ND		1	1.0	0.40	ug/L	10/27/2022 1117
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/27/2022 1117
1,2-Dichloroethane	ND		1	1.0	0.40	ug/L	10/27/2022 1117
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/27/2022 1117
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/27/2022 1117
Ethanol	ND		1	100	52	ug/L	10/27/2022 1117
Ethylbenzene	ND		1	1.0	0.40	ug/L	10/27/2022 1117
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/27/2022 1117
Methyl tertiary butyl ether (MTBE)	ND		1	1.0	0.40	ug/L	10/27/2022 1117
Naphthalene	ND		1	1.0	0.40	ug/L	10/27/2022 1117
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/27/2022 1117
Toluene	ND		1	1.0	0.40	ug/L	10/27/2022 1117
Xylenes (total)	ND		1	1.0	0.40	ug/L	10/27/2022 1117
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		86	70-130				
Toluene-d8		97	70-130				
Bromofluorobenzene		97	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58398-002

Matrix: Aqueous

Batch: 58398

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	890		1	89	70-130	10/27/2022 1009
tert-Amyl methyl ether (TAME)	50	48		1	97	70-130	10/27/2022 1009
Benzene	50	47		1	94	70-130	10/27/2022 1009
tert-Butyl formate (TBF)	250	240		1	98	70-130	10/27/2022 1009
1,2-Dichloroethane	50	45		1	90	70-130	10/27/2022 1009
Diisopropyl ether (IPE)	50	48		1	95	70-130	10/27/2022 1009
3,3-Dimethyl-1-butanol	1000	860		1	86	70-130	10/27/2022 1009
Ethanol	5000	4300		1	85	70-130	10/27/2022 1009
Ethylbenzene	50	47		1	94	70-130	10/27/2022 1009
Ethyl-tert-butyl ether (ETBE)	50	46		1	91	70-130	10/27/2022 1009
Methyl tertiary butyl ether (MTBE)	50	46		1	91	70-130	10/27/2022 1009

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58398-002

Matrix: Aqueous

Batch: 58398

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Naphthalene	50	46		1	91	70-130	10/27/2022 1009
tert-butyl alcohol (TBA)	1000	900		1	90	70-130	10/27/2022 1009
Toluene	50	47		1	94	70-130	10/27/2022 1009
Xylenes (total)	100	93		1	93	70-130	10/27/2022 1009
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		91	70-130				
Toluene-d8		95	70-130				
Bromofluorobenzene		94	70-130				

## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58935-001

Matrix: Aqueous

Batch: 58935

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
Benzene	ND		1	1.0	0.40	ug/L	11/02/2022 0946
Ethylbenzene	ND		1	1.0	0.40	ug/L	11/02/2022 0946
Toluene	ND		1	1.0	0.40	ug/L	11/02/2022 0946
Xylenes (total)	ND		1	1.0	0.40	ug/L	11/02/2022 0946
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		84	70-130				
Toluene-d8		99	70-130				
Bromofluorobenzene		92	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58935-002

Matrix: Aqueous

Batch: 58935

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	48		1	96	70-130	11/02/2022 0840
Ethylbenzene	50	46		1	92	70-130	11/02/2022 0840
Toluene	50	49		1	99	70-130	11/02/2022 0840

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58935-002

Matrix: Aqueous

Batch: 58935

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Xylenes (total)	100	94		1	94	70-130	11/02/2022 0840
Surrogate	Q	% Rec			Acceptance Limit		
1,2-Dichloroethane-d4		92			70-130		
Toluene-d8		97			70-130		
Bromofluorobenzene		92			70-130		

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

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## EDB & DBCP by Microextraction - MB

Sample ID: XQ58005-001  
 Batch: 58005  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 10/25/2022 0015

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	10/26/2022 0905
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		84	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: XQ58005-002  
 Batch: 58005  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 10/25/2022 0015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.25		1	101	60-140	10/26/2022 0915
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		83	57-137				

## EDB & DBCP by Microextraction - MB

Sample ID: XQ58006-001  
 Batch: 58006  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 10/25/2022 0015

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	10/26/2022 1355
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		87	57-137				

LOQ = Limit of Quantitation

DL = Detection Limit

ND = Not detected at or above the DL

J = Estimated result < LOQ and ≥ DL

\* = RSD is out of criteria

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - LCS

Sample ID: XQ58006-002

Matrix: Aqueous

Batch: 58006

Prep Method: 8011

Analytical Method: 8011

Prep Date: 10/25/2022 0015

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.23		1	92	60-140	10/26/2022 1405
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		85	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: XJ17025-006MS

Matrix: Aqueous

Batch: 58006

Prep Method: 8011

Analytical Method: 8011

Prep Date: 10/25/2022 0015

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.26		1	105	60-140	10/26/2022 1459
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		85	57-137					

## EDB & DBCP by Microextraction - Duplicate

Sample ID: XJ17025-007DU

Matrix: Aqueous

Batch: 58006

Prep Method: 8011

Analytical Method: 8011

Prep Date: 10/25/2022 0015

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	ND		1	0.00	20	10/26/2022 1521
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		71	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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## EDB & DBCP by Microextraction - MB

Sample ID: XQ58303-001  
 Batch: 58303  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 10/26/2022 2104

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.020	0.0050	ug/L	10/27/2022 1248
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		82	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: XQ58303-002  
 Batch: 58303  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 10/26/2022 2104

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.22		1	89	60-140	10/27/2022 1259
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		82	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: XJ17025-025MS  
 Batch: 58303  
 Analytical Method: 8011

Matrix: Aqueous  
 Prep Method: 8011  
 Prep Date: 10/26/2022 2104

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.25	0.22		1	90	60-140	10/27/2022 1342
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		71	57-137					

LOQ = Limit of Quantitation  
 DL = Detection Limit

ND = Not detected at or above the DL  
 J = Estimated result < LOQ and ≥ DL  
 \* = RSD is out of criteria

N = Recovery is out of criteria  
 P = The RPD between two GC columns exceeds 40%  
 + = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

## EDB & DBCP by Microextraction - Duplicate

Sample ID: XJ17025-028DU

Matrix: Aqueous

Batch: 58303

Prep Method: 8011

Analytical Method: 8011

Prep Date: 10/26/2022 2104

Parameter	Sample Amount (ug/L)	Result (ug/L)	Q	Dil	% RPD	%RPD Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.19	0.14	+	1	35	20	10/27/2022 1425
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		77	57-137				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

**Note: Calculations are performed before rounding to avoid round-off errors in calculated results**

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**Chain of Custody  
and  
Miscellaneous Documents**



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Number **139430**

Pace Analytical Services, LLC (formerly Sheehy Environmental Services, Inc.)  
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Client <b>Terry Environmental Services</b>			Report to Contact <b>Kelly Cone</b>			Telephone No. / F-mail <b>843-873-8200</b>			Quote No.		
Address <b>PO Box 25</b>			Sampler's Signature <b>Langston Jones</b>			Analysis (Attach list if more space is needed)			Page <b>1</b> of <b>4</b>		
City <b>Summerville</b>		State <b>SC</b>	Zip Code <b>29484</b>		Printed Name <b>Langston Jones</b>			 <b>XJ17025</b> KSHZ Remarks / Cooler I.D.			
Project Name <b>Maruti Kundal</b>			Project No. <b>2171.9N</b>			P.O. No.					
Sample ID / Description		Collection Date	Collection Time (M:PM)	Matrix	No. of Containers by Preservative Type			Analysis			
(Containers for each sample may be combined on one line.)					None	Other	None	Other	None	Other	
<b>02314</b>	<b>FB-1</b>	<b>10-12-22</b>	<b>1140</b>	<b>g X</b>			<b>5</b>		<b>3</b>	<b>2</b>	
	<b>DW-1</b>		<b>1221</b>	<b>g</b>							
	<b>MW-10</b>		<b>1240</b>								
	<b>MW-9</b>		<b>1256</b>								
	<del><b>MW-5</b></del>		<del><b>1360</b></del>				<b>0</b>		<b>0</b>	<b>0</b>	<b>No sample MW-5</b>
	<b>MW-11</b>		<b>1310</b>						<b>3</b>	<b>2</b>	
	<b>MW-6</b>		<b>1339</b>								
	<b>MW-28</b>		<b>1418</b>								
	<b>MW-16</b>		<b>1440</b>								
	<b>MW-18</b>		<b>1500</b>								

**DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Fork/Client Copy**

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Number **139431**

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Client: <b>Terry Environmental Services</b>		Report to Contact: <b>Kelly Cone</b>		Telephone No. / Email: <b>843-873-8200</b>		Quote No.			
Address: <b>PO Box 25</b>		Sampler's Signature: <i>Langston Jones</i>		Analysis (Attach list if room space is needed):		Page <b>2</b> of <b>4</b>			
City: <b>Summerville</b> State: <b>SC</b> Zip Code: <b>29484</b>		Printed Name: <b>Langston Jones</b>		Matrix: <b>BTEXM+12-DCA          Org + PCB          EOB-8011</b>		 <b>XJ17025</b> KR42 Remarks / Cooler I.D.			
Project Name: <b>Maruti Kundal</b>		Project No.: <b>2171.9 N</b>							
Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date:	Collection Time (AM/PM)	Matrix	No. of Containers by Preservative Type					
02314 DW-2	10-12-22	1526	g x	5	3	2			
MW-21		1540							
MW-22		1555							
MW-30		1620							
MW-29		1634							
DW-3		1705							
MW-26		1719							
MW-27		1810							
MW-12		1837							
MW-3		1854							
Turn Around Time Required (Prior lab approval required for expedited TAT): <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)			Sample Disposal: <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab		Possible Hazard Identification: <input checked="" type="checkbox"/> Non-hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown			QC Requirements (Specify):	
1. Relinquished by: <i>Langston Jones</i>		Date: 10-14-22	Time: 1520	1. Received by:		Date:	Time:		
2. Relinquished by:		Date:	Time:	2. Received by:		Date:	Time:		
3. Relinquished by:		Date:	Time:	3. Received by:		Date:	Time:		
4. Relinquished by:		Date:	Time:	4. Laboratory received by: <i>W. BOYD BOWEN/EM/AT</i>		Date: 10/14/22	Time: 1520		
Note: All samples are retained for four weeks from receipt unless other arrangements are made.				LAB USE ONLY Received on ice (Circle) <input checked="" type="checkbox"/> No Ice Pack <input type="checkbox"/> Receipt Temp: <b>2.4</b> °C Temp Blank <input type="checkbox"/> Y <input type="checkbox"/> N		10-0-20 Document Number: ME003N2-01			

DISTRIBUTION: WHITE & YELLOW Return to laboratory with Sample(s); PINK-Field Client Copy

PACE ANALYTICAL SERVICES, LLC



**PACE ANALYTICAL SERVICES, LLC**  
 106 Vantage Point Drive - West Columbia, SC 29172  
 Telephone No. 803-791-8700 Fax No. 803-791-9111  
 www.pacelabs.com

Number **139432**

Pace Analytical Services, LLC (formerly Sheehy Environmental Services, Inc.)  
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-8700 Fax (803) 791-9111 www.pacelabs.com

Client: Terry Environmental Services		Request in Contact: Kelly Lane		Telephone No. / E-mail: 843-873-8200		Order No.:	
Address: PO Box 25		Sample's Signature: Langston Jones		Analyte (Attach list if more spec is needed):		Page 3 of 4	
City: Summerville	State: SC	Zip Code: 29484	Printed Name: Langston Jones		 XJ17025 KSMZ Remarks / Order I.D.		
Project Name: Maruti Kundal		Project No.: 2171.9N		P.O. No.:			
Sample ID / Description (Containers for each sample may be combined on one line.)		Collection Date(s)	Collection Time (M:Sec)	Matrix	No of Containers by Preservative Type		
02314 RW-3		10-12-22	1938	g X	5	30 TEMPERATURE ONLY PER 2 GDB-8011	
FB-2		10-13-22	0755				
MW-25			0830				
MW-24			0857				
MW-23			0922				
MW-8			0943				
MW-7			1000				
MW-2R			1029				
RW-1			1103				
MW-15			1127				

Turn Around Time Required (Prior lab approval required for expedited TAT)		Sample Disposal		Possible Hazard Identification		QC Requirements (Specify)	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Dispose by Lab		<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown			
1. Relinquished by: Langston Jones	Date: 10-14-22	Time: 1520	1. Received by:	Date:	Time:		
2. Relinquished by:	Date:	Time:	2. Received by:	Date:	Time:		
3. Relinquished by:	Date:	Time:	3. Received by:	Date:	Time:		
4. Relinquished by:	Date:	Time:	4. Analyzed by: Moore Bonknight	Date: 10/14/22	Time: 1620		

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY  
 Received on ice (Circle)  Yes  No Ice Pack Receipt Temp: 2.4 °C Temp Blank: BY L N  
 10-0-10  
 12-18-161022

DISTRIBUTION: WHITE & YELLOW Return to Laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003102-01

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 Telephone No. 803-791-9700 Fax No. 803-791-9111  
 www.pacelabs.com

Number **139433**

Client <b>Terry Environmental Services</b>	Report to Contact <b>Kelly Cone</b>	Telephone No. / E-mail <b>843-873-8100</b>	Quote No.
Address <b>PO Box 25</b>	Sampler's Signature <i>Langston Jones</i>	Analysis (Allow for more space if needed)	Page <b>4</b> of <b>4</b>
City <b>Summerville</b> State <b>SC</b> Zip Code <b>29484</b>	Printed Name <b>Langston Jones</b>	<b>BDXNH12-DCA</b> <b>DXLEH</b> <b>EDB-8011</b>	<b>XJ17025</b>
Project Name <b>Maruti Kundal</b>			KSHZ Remarks / Coupon I.D.
Project No. <b>2171.9.N</b>	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (MM/SS)	Matrix	No. of Containers by Parameter Type																					
				Asbestos	Barium	Ben(a)P	Benz(a)A	Cadmium	Chromium	Copper	Dioxin	Endrin	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Sulfate	Tungsten	Vanadium	Zinc			
02314 Dup-1	10-13-22	1129	g X																			5		3	2
MW-13		1152																							
MW-20		1212																							
RW-5		1300																							
Dup-2		1302																							
RW-2		1405																							
SW-1		1415																							
Trip Blank																									
Trip Blank																									

Turn Around Time Required (Prior lab approval required for expedited DAT)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify)	<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab	<input checked="" type="checkbox"/> Bio-hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown	Date _____ Time _____
1. Relinquished by <i>Langston Jones</i>	Date <b>10-14-22</b> Time <b>1520</b>	1. Received by	Date _____ Time _____
2. Relinquished by	Date _____ Time _____	2. Received by	Date _____ Time _____
3. Relinquished by	Date _____ Time _____	3. Received by	Date _____ Time _____
4. Relinquished by	Date _____ Time _____	4. Laboratory received by <i>Integrity overnight</i>	Date <b>10/14/22</b> Time <b>1520</b>

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

Received on ice (Circle) **(Yes)** No Ice Pack Receipt Temp. **7.4** °C Temp Blank  Y  N

DISTRIBUTION: WHITE & YELLOW-Return to Laboratory with Samples; PINK-File/Client Copy

Document Number: ME005142-01  
 10-14-22  
 KX 10/14/22

PACE ANALYTICAL SERVICES, LLC



# PACE ANALYTICAL SERVICES, LLC

Qualtrax ID: 56360

Page Analytical Services, LLC

Page 1 of 1

Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Samples of receipt: <input type="checkbox"/> Pace <input checked="" type="checkbox"/> Clean <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other: _____	
Client: Terry Farris      Contact inspected by/date: BRB / 10/17/2022      Lot #: XN19025	
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (corrected) temperature upon receipt: %Solid Samp-Cup ID: NA	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles      IR Cmn ID: 8 Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None IR Cmn Correction Factor: 0 °C	
3. Were all coolers received at or below 6.0°C? If no, was Project Manager notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Is the commercial courier's packing slip attached to this form? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Were proper custody procedures (acknowledged/received) followed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
6. Were sample IDs listed on the COC and all sample containers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
7. Was collection date & time listed on the COC and all sample containers? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
8. Did all container label information (ID, date, time) agree with the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
9. Were tests to be performed listed on the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
11. Was adequate sample volume available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
12. Were all samples received within 15 the holding time of 48 hours, whichever comes first? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13. Were all samples containers accounted for? (No missing/excess) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Were VOA, 8015C and RSK-175 samples free of bubbles > "pear-size" (1/4" or 6mm in diameter) in any of the VOA vials? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
15. Were all DRO/metals/mutrient samples received at a pH of < 2? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
17. Were all applicable NH <sub>3</sub> /TKN/cyanide/pH/mn/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
18. Was the quote number listed on the container label? If yes, Quote # _____ <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly	
Sample(s) NA were received with _____ ml of citric one: H2SO4, HNO3, HCl, NaOH using SR # NA. If more than one preservative is needed, please note in the comments below.	
Time of preservation NA. If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles > 6 mm in diameter.	
Sample(s) NA were received with TRC > 0.5 mg/L (if #19 is NO) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) with Unique ID: NA	

## Sample Receipt Checklist (SRC)

Effective Date: 8/2/2022

DC#\_Title: ENV-FRM-WCOL-0286 v02\_Samples Receipt Checklist (SRC)



---

## Report of Analysis

**Terry Environmental Services, Inc.**  
222 Varnfield Drive  
Suite F  
Summerville, SC 29483  
Attention: Kelly Cone

Project Name: Maruti Kundal  
Project Number: 2171.9N  
Lot Number: **XJ14092**  
Date Completed: 10/27/2022

*Kayla Holliday*

10/31/2022 2:12 PM  
Approved and released by:  
Project Manager I: **Kayla S. Holliday**



The electronic signature above is the equivalent of a handwritten signature.  
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# PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

## Case Narrative Terry Environmental Services, Inc. Lot Number: XJ14092

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report. Where sampling is conducted by the client, results relate to the accuracy of the information provided, and as the samples are received.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Pace is a TNI accredited laboratory; however, the following analyses are currently not listed on our TNI scope of accreditation: Drinking Water: VOC (excluding BTEX, MTBE, Naphthalene, & 1,2-dichloroethane) EPA 524.2, E. coli and Total coliforms SM 9223 B-2004, Solid Chemical Material: TOC Walkley-Black, Biological Tissue: All, Non-Potable Water: SGT-HEM EPA 1664B, Silica EPA 200.7, Boron, Calcium, Silicon, Strontium EPA 200.8, Bicarbonate, Carbonate, and Hydroxide Alkalinity SM 2320 B-2011, SM 9221 C E-2006 & SM 9222D-2006, Strontium SW-846 6010D, VOC SM 6200 B-2011, Fecal Coliform Colilert-18.

If you have any questions regarding this report, please contact the Pace Project Manager listed on the cover page.

### **Subcontracted analysis**

The analysis of VOA 524.2 has been performed by Pace Huntersville. The data has been amended to this report.

### **VOCs by GCMS**

The following samples were received with headspace in the sample vial: XJ14092-001, XJ14092-004.

# PACE ANALYTICAL SERVICES, LLC

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Sample Summary  
Terry Environmental Services, Inc.  
Lot Number: XJ14092

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Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	02314 WSW-FB-1	Aqueous	10/13/2022 1430	10/14/2022
002	02314 WSW-1	Aqueous	10/13/2022 1445	10/14/2022
003	02314 WSW-DUP-1	Aqueous	10/13/2022 1447	10/14/2022
004	Trip Blank	Aqueous	10/13/2022	10/14/2022

---

(4 samples)

# PACE ANALYTICAL SERVICES, LLC

---

Detection Summary  
Terry Environmental Services, Inc.  
Lot Number: XJ14092

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Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
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(0 detections)

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 2315	SDC		58173		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		97	70-130						
Bromofluorobenzene		97	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	10/21/2022 1637	SAF	10/20/2022 0000	57628		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	504.1	ND		0.0099	0.0039	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		72	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

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## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	5030B	8260D	1	10/25/2022 2359	SDC		58173			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1	
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1	
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1	
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1	
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1	
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1	
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1	
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
1,2-Dichloroethane-d4		87	70-130							
Toluene-d8		97	70-130							
Bromofluorobenzene		98	70-130							

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch			
1	504.1	504.1	1	10/21/2022 1649	SAF	10/20/2022 0000	57628			
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run	
1,2-Dibromoethane (EDB)		106-93-4	504.1	ND		0.0098	0.0039	ug/L	1	
Surrogate	Q	Run 1 % Recovery	Acceptance Limits							
1,1,1,2-Tetrachloroethane		63	57-137							

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/26/2022 0022	SDC		58173		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		89	70-130						
Toluene-d8		97	70-130						
Bromofluorobenzene		95	70-130						

## EDB &amp; DBCP by Microextraction

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	504.1	504.1	1	10/21/2022 1713	SAF	10/20/2022 0000	57628		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
1,2-Dibromoethane (EDB)		106-93-4	504.1	ND		0.010	0.0041	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,1,1,2-Tetrachloroethane		81	57-137						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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Description: Trip Blank

Matrix: Aqueous

Date Sampled: 10/13/2022

Date Received: 10/14/2022

## Volatile Organic Compounds by GC/MS

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch		
1	5030B	8260D	1	10/25/2022 2337	SDC		58173		
Parameter		CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
tert-Amyl alcohol (TAA)		75-85-4	8260D	ND		20	8.0	ug/L	1
tert-Amyl methyl ether (TAME)		994-05-8	8260D	ND		10	0.42	ug/L	1
tert-Butyl formate (TBF)		762-75-4	8260D	ND		5.0	2.0	ug/L	1
Diisopropyl ether (IPE)		108-20-3	8260D	ND		1.0	0.40	ug/L	1
3,3-Dimethyl-1-butanol		624-95-3	8260D	ND		20	8.0	ug/L	1
Ethanol		64-17-5	8260D	ND		100	52	ug/L	1
Ethyl-tert-butyl ether (ETBE)		637-92-3	8260D	ND		1.0	0.40	ug/L	1
tert-butyl alcohol (TBA)		75-65-0	8260D	ND		20	8.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
1,2-Dichloroethane-d4		91	70-130						
Toluene-d8		97	70-130						
Bromofluorobenzene		97	70-130						

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result &lt; LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

S = MS/MSD failure

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## QC Summary

## Volatile Organic Compounds by GC/MS - MB

Sample ID: XQ58173-001

Matrix: Aqueous

Batch: 58173

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
tert-Amyl alcohol (TAA)	ND		1	20	8.0	ug/L	10/25/2022 2210
tert-Amyl methyl ether (TAME)	ND		1	10	0.42	ug/L	10/25/2022 2210
tert-Butyl formate (TBF)	ND		1	5.0	2.0	ug/L	10/25/2022 2210
Diisopropyl ether (IPE)	ND		1	1.0	0.40	ug/L	10/25/2022 2210
3,3-Dimethyl-1-butanol	ND		1	20	8.0	ug/L	10/25/2022 2210
Ethanol	ND		1	100	52	ug/L	10/25/2022 2210
Ethyl-tert-butyl ether (ETBE)	ND		1	1.0	0.40	ug/L	10/25/2022 2210
tert-butyl alcohol (TBA)	ND		1	20	8.0	ug/L	10/25/2022 2210
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		90	70-130				
Toluene-d8		96	70-130				
Bromofluorobenzene		95	70-130				

## Volatile Organic Compounds by GC/MS - LCS

Sample ID: XQ58173-002

Matrix: Aqueous

Batch: 58173

Prep Method: 5030B

Analytical Method: 8260D

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
tert-Amyl alcohol (TAA)	1000	880		1	88	70-130	10/25/2022 2058
tert-Amyl methyl ether (TAME)	50	47		1	94	70-130	10/25/2022 2058
tert-Butyl formate (TBF)	250	220		1	88	70-130	10/25/2022 2058
Diisopropyl ether (IPE)	50	48		1	96	70-130	10/25/2022 2058
3,3-Dimethyl-1-butanol	1000	980		1	98	70-130	10/25/2022 2058
Ethanol	5000	4100		1	83	70-130	10/25/2022 2058
Ethyl-tert-butyl ether (ETBE)	50	43		1	86	70-130	10/25/2022 2058
tert-butyl alcohol (TBA)	1000	860		1	86	70-130	10/25/2022 2058
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		92	70-130				
Toluene-d8		96	70-130				
Bromofluorobenzene		94	70-130				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and  $\geq$  DL

P = The RPD between two GC columns exceeds 40%

\* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

## EDB & DBCP by Microextraction - MB

Sample ID: XQ57628-001  
 Batch: 57628  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 10/20/2022 0000

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
1,2-Dibromoethane (EDB)	ND		1	0.010	0.0040	ug/L	10/21/2022 1601
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		85	57-137				

## EDB & DBCP by Microextraction - LCS

Sample ID: XQ57628-002  
 Batch: 57628  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 10/20/2022 0000

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	0.25	0.22		1	90	70-130	10/21/2022 1613
Surrogate	Q	% Rec	Acceptance Limit				
1,1,1,2-Tetrachloroethane		81	57-137				

## EDB & DBCP by Microextraction - MS

Sample ID: XJ14092-002MS  
 Batch: 57628  
 Analytical Method: 504.1

Matrix: Aqueous  
 Prep Method: 504.1  
 Prep Date: 10/20/2022 0000

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dibromoethane (EDB)	ND	0.24	0.20		1	84	70-130	10/21/2022 1701
Surrogate	Q	% Rec	Acceptance Limit					
1,1,1,2-Tetrachloroethane		82	57-137					

LOQ = Limit of Quantitation  
 DL = Detection Limit

ND = Not detected at or above the DL  
 J = Estimated result < LOQ and ≥ DL  
 \* = RSD is out of criteria

N = Recovery is out of criteria  
 P = The RPD between two GC columns exceeds 40%  
 + = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody  
and  
Miscellaneous Documents



**PACE ANALYTICAL SERVICES, LLC**  
 106 Vantage Point Drive • West Columbia, SC 28172  
 Telephone No. 803-791-9700 Fax No. 803-791-9111  
 www.paceabs.com

Number 122107

Pace Analytical Services, LLC (formerly Sheehy Environmental Services, Inc.)  
 106 Vantage Point Drive West Columbia, SC 28172 (803) 791-9700 Fax (803) 791-9111 www.paceabs.com

Client: Terry Environmental Services				Report to Contact: Kelly Cone				Telephone No. / E-mail: 843-873-8200				Quote No.													
Address: PO Box 25				Sampler's Signature: [Signature]				Analysis (Attach list if more specs is needed)				Page 1 of 1													
City: Summerville		State: SC	Zip Code: 29184	Printed Name: Langston Jones				BT-AMM-17 Dry+EM-8260B EDD-5041				XJ14092 KSH2 Remarks / Order LG.													
Project Name: Marati Kurald		Project No.: 2171.9N		P.O. No.: J		Matrix:		No. of Containers by Preservative Type																	
Sample ID / Description		Collection Date(s)		Collection Time (Military)		Analysis		METH		MORG		LOW		HO		1-NP		P-EST		FORM		OTHER		Remarks	
02314 WSW-FB-1		10-13-22		1430		g x		2		6				3		3		2				Drinking Water			
WSW-1		10-13-22		1445		g x		2		6				3		3		2							
WSW-Dup-1		10-13-22		1447		g x		2		6				3		3		2							
Trip Blank		-		-		g x		0		2				1		1		0							

Turn Around Time Required (Prior lab approval required for expedited TAT):				Sample Disposal:				Potential Hazard Identification:				QC Requirements (Specify):			
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (Specify):				<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab				<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison <input type="checkbox"/> Unknown							
1. Relinquished by: [Signature]		Date: 10-14-22		Time: 1520		1. Received by:		Date:		Time:		Date:		Time:	
2. Relinquished by:		Date:		Time:		2. Received by:		Date:		Time:		Date:		Time:	
3. Relinquished by:		Date:		Time:		3. Received by:		Date:		Time:		Date:		Time:	
4. Relinquished by:		Date:		Time:		4. Laboratory analyzed by: [Signature]		Date: 10/14/22		Time: 1520		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

Received on ice (Circle) Yes No Ice Pack Receipt Temp: 2.8 °C

PACE ANALYTICAL SERVICES, LLC



# PACE ANALYTICAL SERVICES, LLC

DC# Title: ENV-FRM-WCOL-0286 v02\_Samples Receipt Checklist (SRC)  
 Effective Date: 8/2/2022

## Sample Receipt Checklist (SRC)

Client: Terry Cooler Inspected by/date: KNR / 10/14/2022 Lot #: XT14092

Means of receipt: <input type="checkbox"/> Pace <input checked="" type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	1. Were custody seals present on the cooler?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA 2.8 / 2.3 °C NA / NA °C NA / NA °C NA / NA °C	
Method: <input checked="" type="checkbox"/> Temperature Blank <input type="checkbox"/> Against Bottles IR Gun ID: 8 IR Gun Correction Factor: 0 °C	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Ice Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	3. Were all coolers received at or below 6.0°C? If no, was Project Manager notified? PM was Notified by: phone / email / face-to-face (circle one).
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	4. Is the commercial courier's packing slip attached to this form?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5. Were proper custody procedures (relinquished/received) followed?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6. Were sample IDs listed on the COC and all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7. Was collection date & time listed on the COC and all sample containers?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8. Did all container label information (ID, date, time) agree with the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9. Were tests to be performed listed on the COC?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Was adequate sample volume available?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13. Were all samples containers accounted for? (No missing/excess)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	14. Were VOA, 8015C and RSK-175 samples free of bubbles >"pea-size" (1/4" or 6mm in diameter) in any of the VOA vials?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	15. Were all DRO/metals/nutrient samples received at a pH of < 2?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	16. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	17. Were all applicable NH <sub>3</sub> /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	18. Was the quote number listed on the container label? If yes. Quote # 16675
<b>Sample Preservation</b> (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA	
Time of preservation NA If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles >6 mm in diameter.	
Sample(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) with Unique ID: NA	
Comments:	

October 20, 2022

Kayla Holliday  
Pace Analytical West Columbia  
106 Vantage Point Drive  
West Columbia, SC 29172

RE: Project: XJ14092-TERRY ENVIRONMENTAL  
Pace Project No.: 92631555

Dear Kayla Holliday:

Enclosed are the analytical results for sample(s) received by the laboratory on October 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jonathan W Biddix  
jonathan.biddix@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: XJ14092-TERRY ENVIRONMENTAL

Pace Project No.: 92631555

---

### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: XJ14092-TERRY ENVIRONMENTAL  
Pace Project No.: 92631555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92631555001	02314 WSW-FB-1	EPA 524.2	LMB	10	PASI-C
92631555002	02314 WSW-1	EPA 524.2	LMB	10	PASI-C
92631555003	02314 WSW-DUP-1	EPA 524.2	LMB	10	PASI-C
92631555004	TRIP BLANK	EPA 524.2	LMB	10	PASI-C

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: XJ14092-TERRY ENVIRONMENTAL

Pace Project No.: 92631555

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: 02314 WSW-FB-1</b>		<b>Lab ID: 92631555001</b>		Collected: 10/13/22 14:30	Received: 10/18/22 10:40	Matrix: Water		
<b>524.2 MSV SC List</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		10/18/22 18:50	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		10/18/22 18:50	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		10/18/22 18:50	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		10/18/22 18:50	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		10/18/22 18:50	91-20-3	
Toluene	ND	mg/L	0.00050	1		10/18/22 18:50	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		10/18/22 18:50	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		10/18/22 18:50	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/18/22 18:50	2199-69-1	
4-Bromofluorobenzene (S)	101	%	70-130	1		10/18/22 18:50	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: XJ14092-TERRY ENVIRONMENTAL  
Pace Project No.: 92631555

Sample: 02314 WSW-1	Lab ID: 92631555002	Collected: 10/13/22 14:45	Received: 10/18/22 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		10/18/22 19:42	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		10/18/22 19:42	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		10/18/22 19:42	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		10/18/22 19:42	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		10/18/22 19:42	91-20-3	
Toluene	ND	mg/L	0.00050	1		10/18/22 19:42	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		10/18/22 19:42	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		10/18/22 19:42	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/18/22 19:42	2199-69-1	
4-Bromofluorobenzene (S)	102	%	70-130	1		10/18/22 19:42	460-00-4	

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### ANALYTICAL RESULTS

Project: XJ14092-TERRY ENVIRONMENTAL

Pace Project No.: 92631555

Sample: 02314 WSW-DUP-1	Lab ID: 92631555003	Collected: 10/13/22 14:47	Received: 10/18/22 10:40	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		10/18/22 20:08	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		10/18/22 20:08	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		10/18/22 20:08	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		10/18/22 20:08	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		10/18/22 20:08	91-20-3	
Toluene	ND	mg/L	0.00050	1		10/18/22 20:08	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		10/18/22 20:08	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		10/18/22 20:08	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	104	%	70-130	1		10/18/22 20:08	2199-69-1	
4-Bromofluorobenzene (S)	103	%	70-130	1		10/18/22 20:08	460-00-4	

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## ANALYTICAL RESULTS

Project: XJ14092-TERRY ENVIRONMENTAL

Pace Project No.: 92631555

Sample: TRIP BLANK		Lab ID: 92631555004	Collected: 10/13/22 00:00	Received: 10/18/22 10:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	mg/L	0.00050	1		10/18/22 19:16	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	1		10/18/22 19:16	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	1		10/18/22 19:16	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	1		10/18/22 19:16	1634-04-4	
Naphthalene	ND	mg/L	0.00050	1		10/18/22 19:16	91-20-3	
Toluene	ND	mg/L	0.00050	1		10/18/22 19:16	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	1		10/18/22 19:16	179601-23-1	
o-Xylene	ND	mg/L	0.00050	1		10/18/22 19:16	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/18/22 19:16	2199-69-1	HS
4-Bromofluorobenzene (S)	101	%	70-130	1		10/18/22 19:16	460-00-4	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: XJ14092-TERRY ENVIRONMENTAL  
Pace Project No.: 92631555

QC Batch: 731055 Analysis Method: EPA 524.2  
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV  
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92631555001, 92631555002, 92631555003, 92631555004

METHOD BLANK: 3806159 Matrix: Water  
Associated Lab Samples: 92631555001, 92631555002, 92631555003, 92631555004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	10/18/22 17:31	
Benzene	mg/L	ND	0.00050	10/18/22 17:31	
Ethylbenzene	mg/L	ND	0.00050	10/18/22 17:31	
m&p-Xylene	mg/L	ND	0.0010	10/18/22 17:31	
Methyl-tert-butyl ether	mg/L	ND	0.00050	10/18/22 17:31	
Naphthalene	mg/L	ND	0.00050	10/18/22 17:31	
o-Xylene	mg/L	ND	0.00050	10/18/22 17:31	
Toluene	mg/L	ND	0.00050	10/18/22 17:31	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	10/18/22 17:31	
4-Bromofluorobenzene (S)	%	101	70-130	10/18/22 17:31	

LABORATORY CONTROL SAMPLE: 3806160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.022	110	70-130	
Benzene	mg/L	0.02	0.019	94	70-130	
Ethylbenzene	mg/L	0.02	0.021	106	70-130	
m&p-Xylene	mg/L	0.04	0.042	106	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.018	91	70-130	
Naphthalene	mg/L	0.02	0.020	101	70-130	
o-Xylene	mg/L	0.02	0.021	104	70-130	
Toluene	mg/L	0.02	0.020	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: XJ14092-TERRY ENVIRONMENTAL  
Pace Project No.: 92631555

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: XJ14092-TERRY ENVIRONMENTAL  
Pace Project No.: 92631555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92631555001	02314 WSW-FB-1	EPA 524.2	731055		
92631555002	02314 WSW-1	EPA 524.2	731055		
92631555003	02314 WSW-DUP-1	EPA 524.2	731055		
92631555004	TRIP BLANK	EPA 524.2	731055		

**REPORT OF LABORATORY ANALYSIS**

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DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/202205/12/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:

Piedmont West Columbia

Project #:

WO#: 92631555

Courier:  Commercial  Fed Ex  UPS  USPS  Client  Other: \_\_\_\_\_



Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: MS 10/18/22

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?

Yes  No  N/A

Thermometer:

IR Gun ID: 92070

Type of Ice:  Wet  Blue  None

Cooler Temp:

29

Correction Factor: Add/Subtract (°C)

-0.1

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 28

USDA Regulated Soil (  N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?  Yes  No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?  Yes  No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>cut</u>		
Headspace in VOA Vials (>5-6mm)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required?  Yes  No

Headspace in TB vial

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#\_Title: ENV-FRM-HUN1-0083 v01\_Sample Condition Upon Receipt

Effective Date: 05/12/202205/12/2022

WO#: 92631555

Project PM: JNB

Due Date: 10/24/22

CLIENT: 92-PaceSheal

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	VG9U-40 mL VOA HCl (N/A)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Chain of Custody



Workorder: XJ114092      Workorder Name: Maruti Kundal      Owner Received Date: 10/14/2022      Results Requested By: 10/24/2022

Report To: Kayla Holliday      Subcontract To:      Project #

Pace Analytical  
 106 Vantage Point Drive  
 Columbia SC, 29223  
 803-227-2706  
 Kayla.Holliday@pacelabs.com

Pace Huntersville  
 9800 Kincey #100  
 Huntersville, NC 28078

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Requested Analysis	Comments
						HCl			
1	02314 WSW-FB-1	grab	10/13/2022 @ 1430	XJ114092-001	Aqueous	x		BTEX+M+N+1,2DCA (524.2)	LAB USE ONLY
2	02314 WSW-1	grab	10/13/2022 @ 1445	XJ114092-002	Aqueous	x			001
3	02314 WSW-DUP-1	grab	10/13/2022 @ 1447	XJ114092-003	Aqueous	x			002
4	Trip Blank	grab	10/13/2022 @ 0000	XJ114092-004	Aqueous	x			003
5									004
6									
7									
8									
9									
10									
Transfers Released By			Date/Time	Received By			Date/Time		
1	Kayla Holliday		10-17-2022 8:00 AM	[Signature]			10/18/2022 10:00 AM		
2									
3									

Cooler Temperature on Receipt 2.8 °C      Custody Seal Y or N      Received on Ice Y or N      Sample Intact Y or N

\*\*\*In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC  
 This chain of custody is considered complete as is since this information is available in the owner laboratory.



**APPENDIX C**

**Tax Map  
(Not Applicable)**

**APPENDIX D**

**Soil Boring/Field Screening Logs  
(Not Applicable)**

**APPENDIX E**

**Well Completion Logs/SCDHEC 1903 Forms  
(Not Applicable)**

**APPENDIX F**

**Aquifer Evaluation Forms  
(Not Applicable)**

**APPENDIX G**  
**Disposal Manifest**

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>Maruti Kundal Cheraw, SC</i> <i>(Former Windsor Mart)</i>		Phone ( ) P O #: <i>2171-9N</i> <i>US T# 02314</i>	
3. Agent of Generator and Mailing Address: <i>Terry Environmental Services PO Box 25</i> <i>Summerville, SC 29484</i>		Phone <i>(843) 873-8200</i> P O #:	
4. Transporter Company Name: <i>↓</i>		Phone ( )	
Truck & Trailer License Number:			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description		Container No. Type	Unit Quantity
a. Non-Hazardous, non-regulated waste water			<i>gal 245</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Langston Jones</i>		Signature: <i>Langston Jones as agent</i>	Date: <i>10-14-22</i>
10. Transporter Acknowledgment of Receipt of Materials Printed/Typed Name: <i>Cenarr McLoughlin</i>		Signature: <i>Cenarr McLoughlin</i>	Date: <i>10-17-22</i>
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials Printed/Typed Name: <i>David Wend</i>			
		Signature: <i>David Wend</i>	Date: <i>10-17-22</i>

White - Facility

Yellow - Office

Pink - Transporter

Blue - Generator

**APPENDIX H**

**Local Zoning Regulations  
(Not Applicable)**



**APPENDIX I**

**Fate and Transport Modeling Data  
(Not Applicable)**

**APPENDIX J**

**Access Agreements  
(Not Applicable)**

## **APPENDIX K**

### **Data Verification Checklist**

## Contractor Checklist – Maruti Kundal (Former Windsor Mart)

**UST Permit #02314 - TERRY Project #2171.9N**

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.



DEC 09 2022



JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Site Specific Work Plan Request for AFVR and Groundwater Sampling**  
MARUTI KUNDAL DBA Country Cupboard 7, 820 CHESTERFIELD HWY (HWY 9),  
Cheraw, SC  
UST Permit #02314  
Release reported December 6, 1991  
Monitoring Report received November 14, 2022  
Chesterfield County

To Whom It May Concern :

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels.

Your selected contractor has proposed conducting Aggressive Fluid and Vapor Recovery (AFVR) followed by groundwater sampling as the next appropriate scope of work. In accordance with Sections 280.64 and 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, submittal of the Site Specific Work Plan (SSWP) for AFVR and groundwater sampling may proceed. This work must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at [scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance](http://scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance).

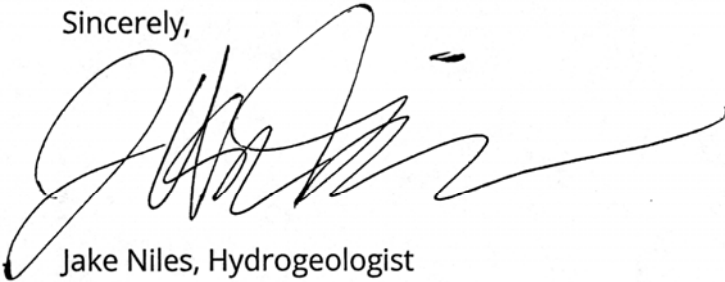
The SSWP should include proposed extraction wells, observation wells, target stinger depths, and whether off-gas treatment will be utilized. For the most updated AFVR procedures, refer to Section IV.g of the QAPP. **Any variance from the procedures will be approved on a site-specific basis and should be documented in the forthcoming SSWP.**

Sixty (60) days after completion of the AFVR event(s), a groundwater sampling event should commence. Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000-foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. Only wells with screens that do not bracket the water table should be purged prior to sampling.

**Your contractor must complete the SSWP and submit it within 30 days from the date of this letter.** Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by email at NilesJD@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jake Niles', with a long horizontal flourish extending to the right.

Jake Niles, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

cc: Terry Environmental Services, P.O. BOX 25, Summerville SC, 29484  
Technical file





RECEIVED



DEC 19 2022

UST DIVISION

Site-Specific Work Plan for Approved ACQAP Underground Storage Tank Management Division

To: Jake Niles (SCDHEC Project Manager)
From: Kelly Cone (Contractor Project Manager)
Contractor: TERRY Environmental Services, Inc. UST Contractor Certification Number: UCC-0223

Facility Name: Maruti Kundal (Former Windsor Mart) UST Permit #: 02314
Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520
Responsible Party: Jackson Oil Company, Inc. Phone: 843-537-7080
RP Address: 755 South 4th Street, Hartsville, SC 29550
Property Owner (if different): n/a
Property Owner Address: n/a
Current Use of Property: Gas Station and Convenience Store (Corner Cupboard)

Scope of Work (Please check all that apply)

- IGWA, Tier I, Tier II, Monitoring Well Installation, Groundwater Sampling, Other AFVR Events, GAC

Analyses (Please check all that apply)

- Groundwater/Surface Water: BTEXNMDCA, Oxygenates, EDB, PAH, Lead, 8 RCRA Metals, TPH, pH, BOD, Nitrate, Sulfate, Other, Methane, Ethanol, Dissolved Iron
Drinking Water Supply Wells: BTEXNMDCA, Oxygenates & Ethanol, RCRA Metals, EDB
Soil: BTEXNM, PAH, Lead, RCRA Metals, Oil & Grease, TPH-DRO, TPH-GRO, Grain Size, TOC
Air: BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

Table with 4 columns: Matrix, Count, Matrix, Count. Rows: Soil (38), Monitoring Wells (1), Water Supply Wells (2), Surface Water (3), Air (3), Duplicate (3), Field Blank (3), Trip Blank (3)

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: -- Estimated Footage: -- feet per point
# of deep points proposed: -- Estimated Footage: -- feet per point
Field Screening Methodology: --

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: -- Estimated Footage: -- feet per point
# of deep wells: -- Estimated Footage: -- feet per point
# of recovery wells: -- Estimated Footage: -- feet per point
Comments, if warranted: --

UST Permit #: 02314 Facility Name: Maruti Kundal (Former Windsor Mart)

**Implementation Schedule** (Number of calendar days from approval)

Field Work Start-Up: 14-30 days Field Work Completion: 75-90 days  
Report Submittal: 100 days # of Copies Provided to Property Owners: n/a

**Aquifer Characterization**

Pump Test:  Slug Test:  (Check one and provide explanation below for choice)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Investigation Derived Waste Disposal**

Soil: -- Tons Purge Water: 330 Gallons  
Drilling Fluids: -- Gallons Free-Phase Product: -- Gallons

**Additional Details For This Scope of Work**

For example, list wells to be sampled, wells to be abandoned/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

Per SCDHEC, two 96-hour AFVR Events\* will be conducted followed approximately 60 days later by a comprehensive sampling event. Shallow monitoring shallow monitoring wells MW-1, MW-2R, MW-3 through MW-30, recovery wells RW-1 through RW-5, deep wells DW-1 through DW-3, and water supply well (WSW-1) will be sampled. The two drainage features (SW-1 and SW-2) approximately 800 to 1,000 feet to the east and west of the subject site will also be sampled. The monitoring wells were last sampled in October 2022 will only require purging if newly installed or the well screen does not bracket the water table.

\*Off-gas treatment will be utilized for the AFVR Events and the target stinger depths will range from 20 to 25 feet.

**Compliance With Annual Contractor Quality Assurance Plan (ACQAP)**

Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.

Name of Laboratory: \_\_\_\_\_  
SCDHEC Certification Number: \_\_\_\_\_  
Name of Laboratory Director: \_\_\_\_\_

\_\_\_\_ Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: \_\_\_\_\_  
SCLLR Certification Number: \_\_\_\_\_

\_\_\_\_ Other variations from ACQAP. Please describe below.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attachments**

1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
 

North Arrow	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



**ASSESSMENT COMPONENT INVOICE**

South Carolina

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

July 1, 2022

**Facility Name:** Maruti Kundal (Former Windsor Mart)

**UST Permit #:** 02314

**Cost Agreement #:** Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>A. Plan Preparation</b>				
1.1 Site-specific Work Plan	1	each	\$169.65	\$169.65
2.1 Tax Map		each	\$79.17	\$0.00
3.1 QAPP Contractor Addendum (App B)		each	\$250.00	\$0.00
<b>B. Survey *</b>				
1. Receptor Survey		each	\$623.20	\$0.00
<b>C. Survey</b>				
1.1 Comprehensive Survey		each	\$1,176.26	\$0.00
5. Ground Penetrating Radar Survey (100 x 100)		each	\$1,029.23	\$0.00
<b>D. Mob/Demob</b>				
1.1 Equipment		each	\$1,153.64	\$0.00
2.1 Personnel (Jx2, Q)	3	each	\$478.42	\$1,435.26
3.1 Adverse Terrain Vehicle		each	\$565.51	\$0.00
<b>E. Soil Borings*</b>				
1. Soil Borings (hand auger)		foot	\$5.66	\$0.00
<b>F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*</b>				
1.1 Standard		per foot	\$16.97	\$0.00
2.1 Fractured Rock		per foot	\$21.84	\$0.00
<b>G.</b>				
<b>H. Well Abandonment (does not include Field Screening)*</b>				
1.1 2" diameter or less		per foot	\$3.51	\$0.00
2.1 Greater than 2" to 6" diameter		per foot	\$5.09	\$0.00
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	\$16.96	\$0.00
<b>I. Well Installation (In accordance with R.61-71)*</b>				
1.1 Water Table (hand augered)		per foot	\$11.99	\$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	\$42.98	\$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	\$43.46	\$0.00
3.1 Telescoping		per foot	\$56.55	\$0.00
4.1 Rock Drilling		per foot	\$65.60	\$0.00
5.1 2" Rock Coring		per foot	\$34.95	\$0.00
6.1 Multi-sampling ports/screens		per foot	\$37.78	\$0.00
7.1 Recovery Well (4" diameter)		per foot	\$50.90	\$0.00
9.1 Rotosonic (2" diameter)		per foot	\$49.77	\$0.00
10.1 Re-develop Existing Well		per foot	\$12.44	\$0.00
<b>J. Groundwater Sample Collection / Gauging Depth to Water/Product *</b>				
1.1 Groundwater Purge	3	per well	\$67.86	\$203.58
2.1 Air or Vapors		sample	\$13.57	\$0.00
3.1 Water Supply Sample	1	sample	\$24.88	\$24.88

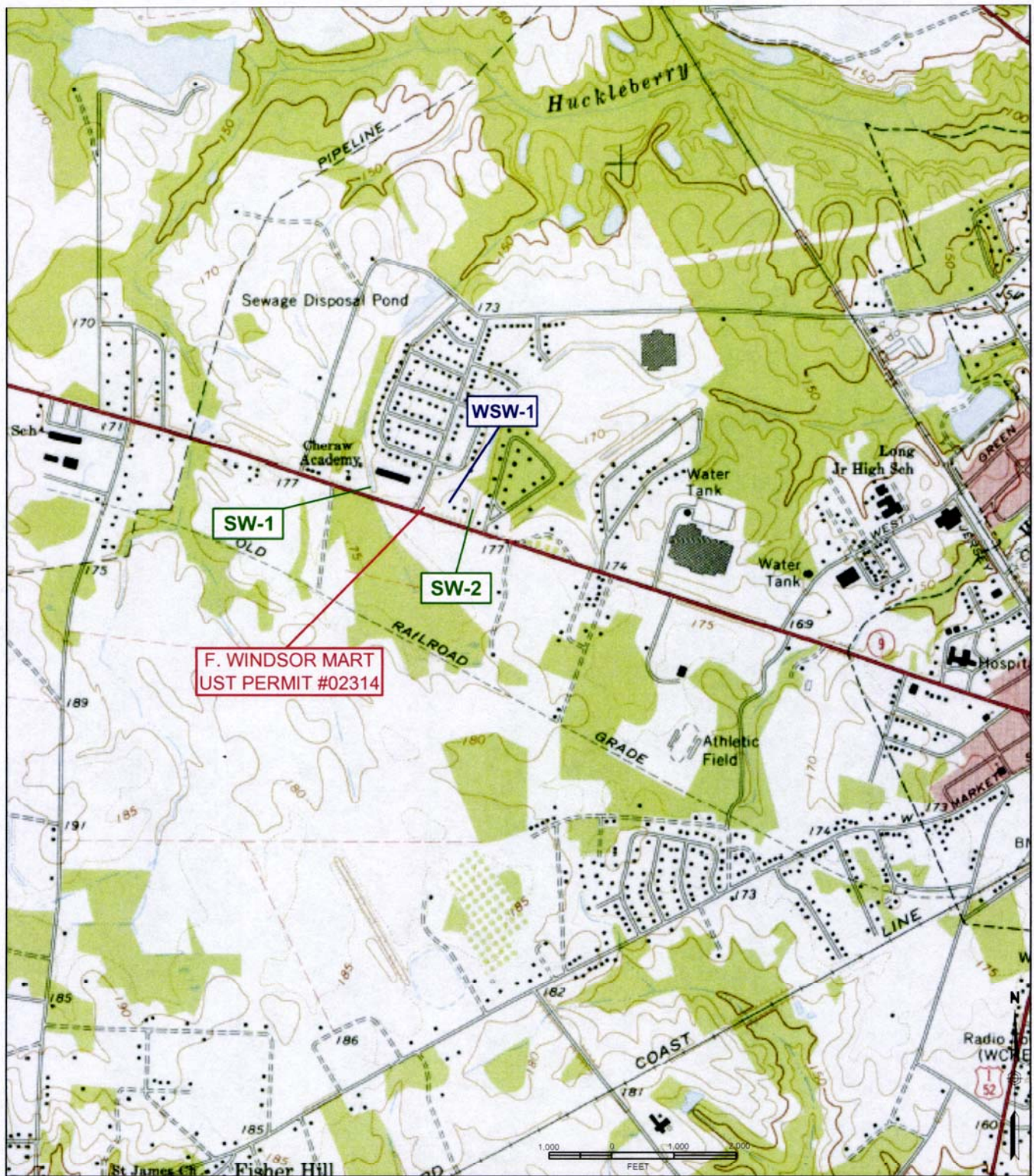
4.1 HydraSleeve		sample	\$53.00	\$0.00
4.2A No-purge GW (35) /Surface water (2)	37	sample	\$31.67	\$1,171.79
5.1 Gauge Well only		sample	\$7.92	\$0.00
6.1 Sample Below Product		sample	\$13.57	\$0.00
7.1 Passive Diffusion Bag		sample	\$29.40	\$0.00
8.1 Field Dups (MWs & WSWs) and Field Blanks	6	sample	\$27.83	\$166.98
9.1 Groundwater (low flow purge)		sample	\$102.93	\$0.00
10.1 Equipment Blank		sample	\$27.83	\$0.00
11. Sample Product		per well	\$48.76	\$0.00
<b>K. Laboratory Analyses-Groundwater</b>				
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	46	per sample	\$137.98	\$6,347.08
2.1 Lead, Filtered		per sample	\$15.60	\$0.00
3.1 Rush EPA Method 8260B		per sample	\$173.72	\$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$31.67	\$0.00
5.1 PAH's		per sample	\$68.54	\$0.00
6.1 Lead		per sample	\$18.09	\$0.00
7.1 EDB by EPA 8011	44	per sample	\$51.12	\$2,249.28
8.1 EDB by EPA Method 8011 Rush		per sample	\$77.14	\$0.00
9.1 8 RCRA Metals		per sample	\$71.71	\$0.00
10.1 TPH (9070)		per sample	\$46.38	\$0.00
11.1 PH		per sample	\$5.88	\$0.00
12.1 BOD		per sample	\$22.62	\$0.00
13.1 Ethanol		per sample	\$16.74	\$0.00
<b>K. Analyses-Drinking Water</b>				
14.1 BTEXNM+1,2 DCA (524.2)	4	per sample	\$140.30	\$561.20
15.1 7-OXYGENATES & ETHANOL (8260D)	4	per sample	\$103.77	\$415.08
16.1 EDB (504.1)	3	per sample	\$89.92	\$269.76
17.1 RCRA METALS (200.8)		per sample	\$113.10	\$0.00
<b>K. Analyses-Soil</b>				
18.1 BTEX + Naphth.		per sample	\$72.39	\$0.00
19.1 PAH's		per sample	\$72.43	\$0.00
20.1 8 RCRA Metals		per sample	\$63.79	\$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	\$45.24	\$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	\$40.67	\$0.00
23.1 Grain size/hydrometer		per sample	\$117.63	\$0.00
24.1 Total Organic Carbon		per sample	\$34.61	\$0.00
<b>K. Analyses-Air</b>				
25.1 BTEX + Naphthalene		per sample	\$244.30	\$0.00
<b>K. Hydrocarbon Fuel Identification</b>				
27. C3-C44 Whole Oil (ASTM D3328)		per sample	\$431.42	\$0.00
28. Fuel Oxygenates (1624 Mod)		per sample	\$368.88	\$0.00
29. ALKYL Leads, EDB MMT (8080)		per sample	\$368.88	\$0.00
30. C8-C40 Full Scan (ASTM 5739)		per sample	\$583.00	\$0.00
31. Simulated Distillation (ASTM 2887)		per sample	\$368.88	\$0.00
32. Parent & Alk. PAH Com. (8270 SIM)		per sample	\$670.03	\$0.00
33. C3-C10 Piano (8260 MOD)		per sample	\$555.44	\$0.00
34. C10+Alkane Fingerprints		per sample	\$555.44	\$0.00
35. Expert Data Interpretation & Report		each	\$551.20	\$0.00

<b>L. Aquifer Characterization*</b>					
1.1 Pumping Test		per hour	\$26.01		\$0.00
2.1 Slug Test		per test	\$216.03		\$0.00
3.1 Fractured Rock		per test	\$113.10		\$0.00
<b>M. Free Product *</b>					
1. Free Product Recovery Rate Test		each	\$42.98		\$0.00
<b>N.</b>					
<b>O. Risk Evaluation</b>					
1.1 Tier I Risk Evaluation		each	\$339.31		\$0.00
2.1 Tier II Risk Evaluation		each	\$113.10		\$0.00
<b>P. Survey*</b>					
1. Subsequent Survey		each	\$275.60		\$0.00
<b>Q. Disposal (gallons or tons)*</b>					
1.1 Wastewater	330	gallon	\$0.64		\$211.20
2.1 Free Product		gallon	\$0.56		\$0.00
3.1 Soil Treatment/Disposal		ton	\$67.86		\$0.00
4.1 Drilling fluids		gallon	\$0.48		\$0.00
<b>R. Miscellaneous (attach receipts)</b>					
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
<b>T. Tier I Assessment (Use DHEC 3665 form)</b>					
1.1 Southeast Region		standard	\$11,687.56		\$0.00
2.1 All Other Counties		standard	\$12,818.58		\$0.00
<b>U. IGWA (Use DHEC 3666 form)</b>					
1.1 Southeast Region		standard	\$4,031.18		\$0.00
2.1 All Other Counties		standard	\$4,370.38		\$0.00
<b>22. Active Correction Action</b>					
		PFM	Bid Cost		\$0.00
<b>W. Aggressive Fluid &amp; Vapor Recovery (AFVR)</b>					
1.1 8-hour Event*		per event	\$1,655.00		\$0.00
2. 24-hour Event*		per event	\$4,081.28		\$0.00
3. 48-hour Event*		per event	\$6,706.10		\$0.00
4. 96-hour Event*	2	per event	\$13,409.52		\$26,819.04
5. Off-gas Treatment 8 hour		per event	\$130.71		\$0.00
6.1 Off-gas Treatment 24 hour		per event	\$272.50		\$0.00
7.1 Off-gas Treatment 48 hour		per event	\$357.50		\$0.00
8. Off-gas Treatment 96 hour	2	per event	\$832.26		\$1,664.52
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	\$430.00		\$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	\$500.00		\$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	\$1,000.00		\$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	\$2,000.00		\$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	\$0.59		\$0.00
14.1 AFVR Site Reconnaissance	1	each	\$280.00		\$280.00
15. Additional Hook-ups		each	\$27.48		\$0.00
16.1 AFVR Effluent Disposal	60,000	gallon	\$0.49		\$29,400.00
17.1 AFVR Mobilization/Demobilization	2	each	\$720.00		\$1,440.00
18. Mobilization for absorbents/skimers		each	\$531.25		\$0.00
19. Well sock 2" ID well		each	\$34.20		\$0.00

20. Well sock 4" ID well		each	\$45.40	\$0.00
21. pad (per pad)		each	\$46.25	\$0.00
22. 3" diameter x 10' length boom		each	\$100.00	\$0.00
23. 5" diameter x 10' length boom		each	\$123.00	\$0.00
24. New FPP recovery skimmer (2" wells)		each	\$732.50	\$0.00
25. New FPP recovery skimmer (4" wells)		each	\$1,155.00	\$0.00
26. Refurbished FPP recovery skimmer (2" or 4" wells)		each	\$704.00	\$0.00
27. Disposal of Absorbents		pound	\$3.80	\$0.00
28. Disposal of product from skimmers		gallon	\$0.46	\$0.00
<b>X. Granulated Activated Carbon (GAC) filter system installation &amp; service:</b>				
1.1 New GAC System Installation*		each	\$2,148.94	\$0.00
2.1 Refurbished GAC Sys. Install*		each	\$1,017.92	\$0.00
3.1 Filter replacement/removal*		each	\$395.86	\$0.00
4.1 GAC System removal, cleaning, & refurbishment*		each	\$311.04	\$0.00
5.1 GAC System housing*		each	\$282.76	\$0.00
6.1 In-line particulate filter		each	\$169.65	\$0.00
7.1 Additional piping & fittings		foot	\$1.70	\$0.00
<b>Y. Well Repair</b>				
1.1 Additional Copies of the Report Delivered		each	\$56.55	\$0.00
2.1 Repair 2x2 MW pad*		each	\$56.55	\$0.00
3.1 Repair 4x4 MW pad*		each	\$99.53	\$0.00
4.1 Replace well vault*		each	\$133.46	\$0.00
5.1 Replace well cover bolts		each	\$2.94	\$0.00
6.1 Replace locking well cap & lock		each	\$16.96	\$0.00
7.1 Replace/Repair stick-up*		each	\$151.56	\$0.00
8.1 Convert Flush-mount to Stick-up*		each	\$169.65	\$0.00
9.1 Convert Stick-up to Flush-mount*		each	\$147.03	\$0.00
10.1 Replace missing/illegible well ID plate		each	\$13.57	\$0.00
11. Down-hole Camera		per foot	\$27.08	\$0.00
<b>Z. High Resolution Site Characterization</b>				
1. HRSC Screening Equipment Mobilization		each	\$1,360.00	\$0.00
2. HRSC Drilling Category 1		per foot	\$29.00	\$0.00
3. HRSC Drilling Category 2		per foot	\$33.50	\$0.00
4. HRSC Drilling Category 3		per foot	\$27.00	\$0.00
5. HRSC 3-D Model		each	\$4,040.00	\$0.00
<b>S. Report Prep &amp; Project Management</b>	12%	percent	\$72,829.30	\$8,739.52
<b>TOTAL</b>				<b>\$81,568.82</b>

DHEC D-4293 (06/2022) \*The appropriate mobilization cost can be added to complete these tasks, as necessary





**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

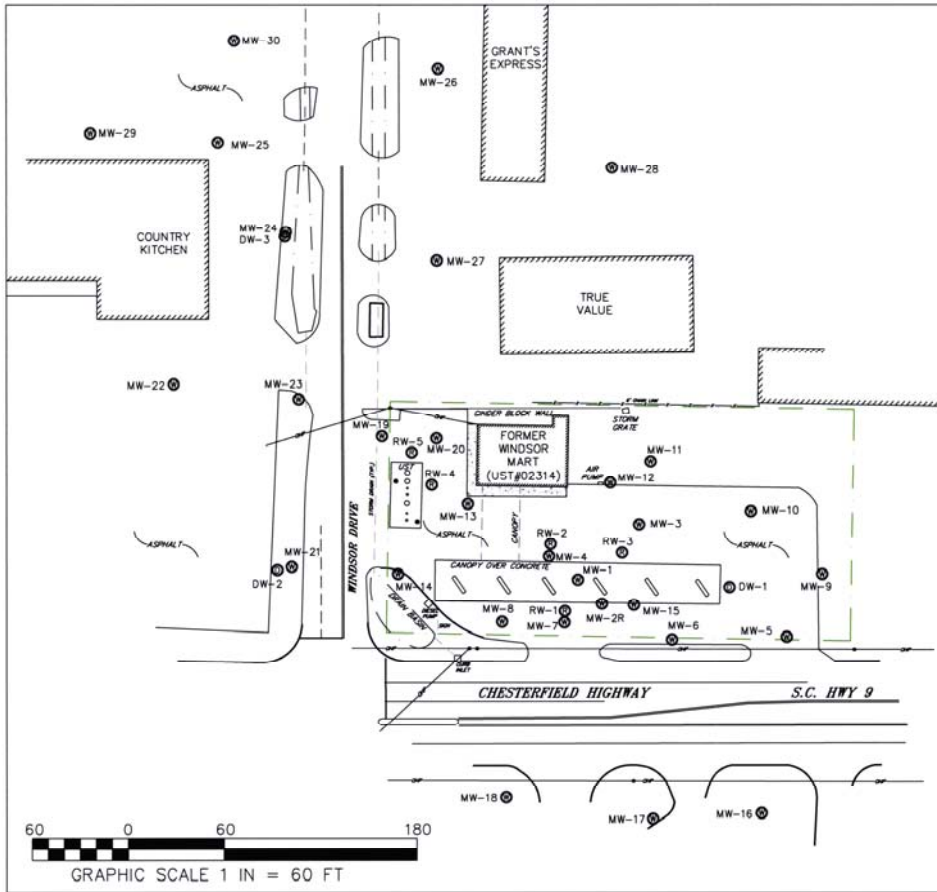
PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax (843)-873-8765

SIZE B	TERRY Project No. 2171.90	DWG NO. Figure 1 Topo Map	REV
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SCALE: As Shown

DATE: December 2022





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- ▭ BUILDING

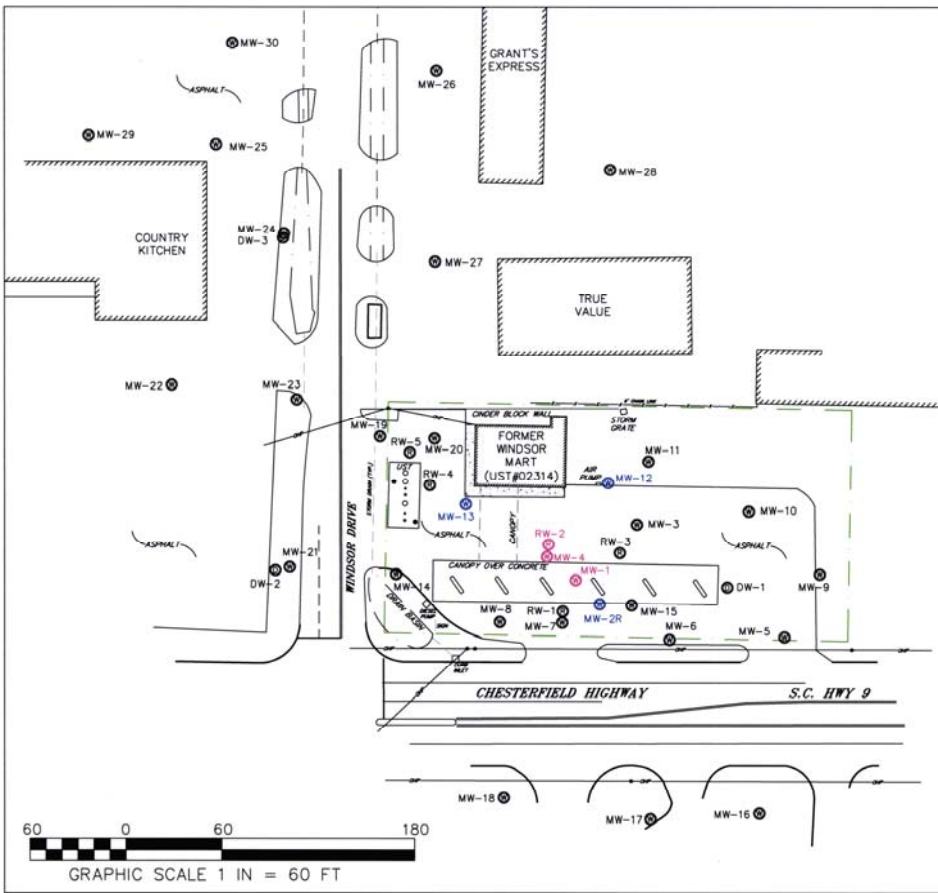
All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE	DATE
1" = 60'	December 2022



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- ||||| BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)

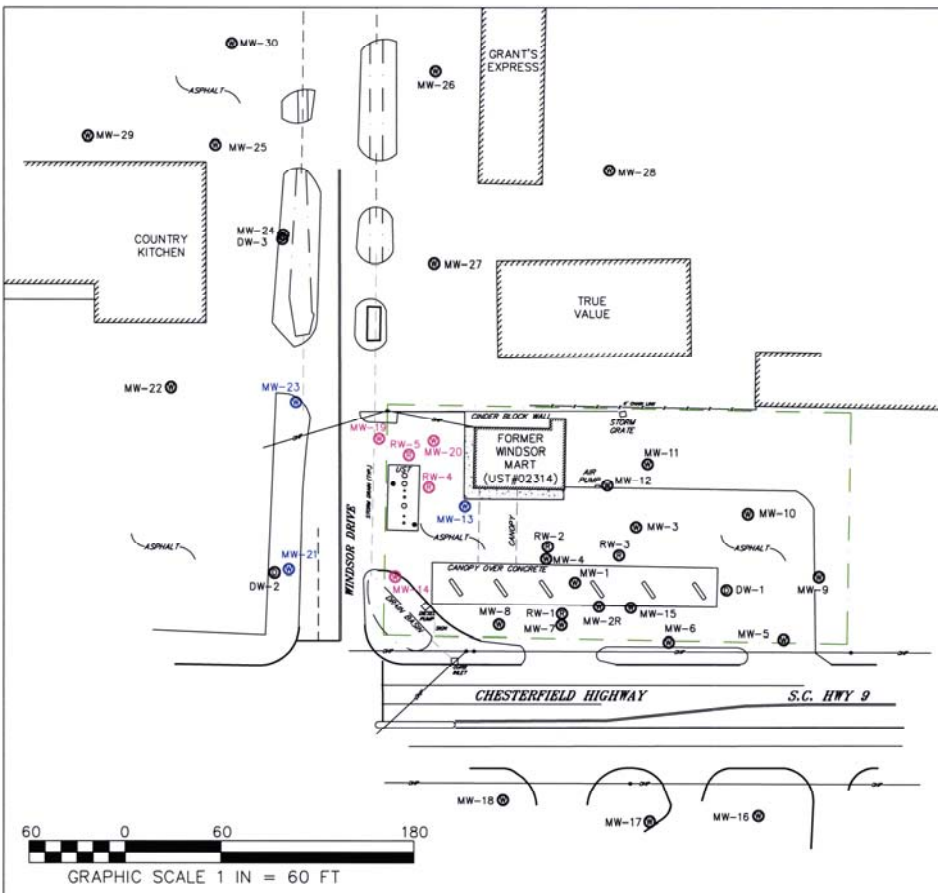
- (circle with dot) RECOVERY WELL
- (circle with dot) INFLUENCE WELL



**FIGURE F-8  
AFVR MAP (EVENT #1)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE December 2022



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# (circle with dot) MONITORING WELL
- DW-# (circle with dot) DEEP MONITORING WELL
- RW-# (circle with dot) RECOVERY WELL
- TTTTTTTTTT BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)

- RECOVERY WELL
- INFLUENCE WELL

MW-14 would be added to the event overnight when the store was closed.



**FIGURE F-8  
AFVR MAP (EVENT #2)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE December 2022



Healthy People. Healthy Communities.

JACKSON OIL COMPANY INC  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

JAN 04 2023



Re: **Aggressive Fluid Vapor Recovery and Groundwater Sampling Notice to Proceed**  
Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy. (HWY. 9), Cheraw, SC  
UST Permit #02314; CA #66540  
Release reported December 6, 1991  
Site Specific Work Plan received December 19, 2022  
Chesterfield County

To Whom it May Concern :

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site Specific Work Plan (SSWP) submitted by your contractor.

In accordance with Sections 280.64 and 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, The Aggressive Fluid Vapor Recovery (AFVR) and groundwater sampling events should begin immediately upon receipt of this letter. The Cost Agreement number shown above has been approved for the amount shown on the enclosed cost agreement form. All work must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan and submitted SSWP, and all applicable regulations. The QAPP is available at [scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance](http://scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance).

**Any variance from the procedures will be approved on a site specific basis and should be submitted to the UST Division in writing.**

**The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.**

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The AFVR Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within one hundred-twenty (120) days of the date of this correspondence.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately \$452,438.97 has been expended from the SUPERB Account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$81,568.82.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the UST Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence concerning this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by email at NilesJD@dhec.sc.gov.

Sincerely,



Jake Niles, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Terry Environmental Services Inc, P.O. BOX 25, Summerville SC, 29484 (w/ enc)  
Technical file (w/ enc)

**Approved Cost Agreement**

**66540**

Facility: 02314 MARUTI KUNDAL DBA COUNTRY CUPBOARD 7

NILESJD

PO Number: 94963

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1.1 SITE SPECIFIC WORK PLAN	1.0000	\$169.650	169.65
D MOB/DEMOB					
		2.1 PERSONNEL	3.0000	\$478.420	1,435.26
J SAMPLE COLLECTION					
		1.1 GROUND WATER PURGE	3.0000	\$67.860	203.58
		3.1 WATER SUPPLY SAMPLE	1.0000	\$24.880	24.88
		4.2A NO-PURGE GW SAMPLE/SURFACE	37.0000	\$31.670	1,171.79
		8.1 FIELD DUPL. (MWS & WWS) & FB	6.0000	\$27.830	166.98
K ANALYSES					
DW DRINKING WATER		14.1 BTEXNM+1,2 DCA (524.2) WSW	4.0000	\$140.300	561.20
		15.1 OXYGENATES & ETHANOL 8260B WSW	4.0000	\$103.770	415.08
		16.1 EDB (504.1) WSW	3.0000	\$89.920	269.76
GW GROUNDWATER		1.1 BTEXNM+OXYGS+1,2 DCA+ETH-8260D	46.0000	\$137.980	6,347.08
		7.1 EDB BY EPA 8011	44.0000	\$51.120	2,249.28
Q DISPOSAL					
		1.1 WASTEWATER	330.0000	\$0.640	211.20
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$72,829.300	8,739.52
W AFVR					
		14.1 AFVR SITE RECONNAISSANCE	1.0000	\$280.000	280.00
		16.1 AFVR EFFLUENT DISPOSAL	60,000.0000	\$0.490	29,400.00
		17.1 AFVR MOB - DEMOB	2.0000	\$720.000	1,440.00
		4 96 HOUR EVENT	2.0000	\$13,409.520	26,819.04
		8 OFF GAS TREATMENT 96 HOUR	2.0000	\$832.260	1,664.52
<b>Total Amount</b>					<b>81,568.82</b>

# Document Receipt Information

Hard Copy

CD

Date Received 2-21-23

Permit Number 02314

Project Manager Jake Niles

Name of Contractor TES

Docket Title AFVR

Document Number 714eek

Scanned \_\_\_\_\_



**AGGRESSIVE FLUID VAPOR RECOVERY (AFVR) EVENTS REPORT  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
CA #66540**

Prepared For:

**SCDHEC UNDERGROUND STORAGE TANK PROGRAM  
2600 BULL ST.  
COLUMBIA, SC 29201**

Submitted By:

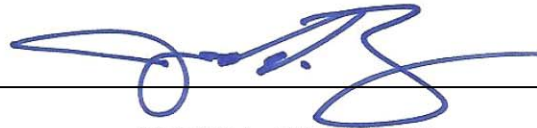


P.O. BOX 25  
SUMMERVILLE, SOUTH CAROLINA 29484  
(843) 873-8200  
Fax (843) 225-3472  
[www.terryenvironmental.com](http://www.terryenvironmental.com)

UST CONTRACTOR #UCC-0223  
TERRY PROJECT #2171.90



**KELLY K. CONE, PG**  
Vice President, Assessment Services



**JASON A. TERRY, PG**  
President

FEBRUARY 2023



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**A. INTRODUCTION**
**1. UST Facility and Owner/Operator Information**

Facility Name (Permit #): Maruti Kundal (Former Windsor Mart) (02314)  
 Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520  
 Facility Telephone: 843-537-9096  
  
 Owner/ Operator Name: Jackson Oil Company (Contact: Charles Jackson)  
 Owner/ Operator Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Owner/ Operator Telephone: 843-537-7080

**2. Property Owner Information**

Name: Jackson Oil Company, Inc.  
 Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Telephone: 843-537-7080

**3. Contractor Information**

Name: Terry Environmental Services, Inc.  
 Address: P.O. Box 25, Summerville, South Carolina 29484  
 Telephone: 843-873-8200  
 Certification: UCC-0223

**4. Well Driller Information**

Not Applicable

**5. Laboratory Information**

Not Applicable

**6. Site History**

Date Release Reported to SCDHEC: December 6, 1991  
 Estimated Quantity of Product Released: Unknown  
 Cause of Release: Unknown  
 Current use of Facility: Gas Station and Convenience Store (Former Windsor Mart)

UST #	Product	Date Installed	Currently In Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
2 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
3 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
4 (20,000 gal)	Multiple Petroleum	Unknown	Yes	

Other Releases at this site? Yes \_\_\_\_\_ No XXXX  
 If yes, Date Release Reported to SCDHEC n/a  
**Status of Release:** n/a  
 No Further Action Date: n/a



## **7. Regional Geology and Hydrogeology**

The Maruti Kundal (former Windsor Mart) site is located in Cheraw, South Carolina which lies in the northeastern portion of the Coastal Plain Province of South Carolina. This province was deposited during a series of transgressive and regressive eustatic sea level changes. The Coastal Plain is comprised of an area of erosional topography near the Fall Line which is considered the Inner Coastal plain and an area of constructional topography that extends seaward which is considered the Outer Coastal Plain. Cheraw is located in the Inner Coastal Plain where the sediments can be highly weathered and therefore causing stratigraphy and aerial distribution to be poorly understood. The Middendorf Formation outcrops in the Inner Coastal Plain and consists of intercalated, lensing, thick bedded, light-colored sands and clays (mudstones). (The Geology of the Carolinas, Horton & Zullo, 1991)

The site is located below the Fall Line in the Coastal Plain Province. This area consists of sand and clay beds of the Middendorf Formation. Near the southern border of Chesterfield County the sand aquifers of the Middendorf occur to depths as great as 450 feet. Wells located in these aquifers yield as much as 900 gallons per minute (gpm) with the potential for yields up to 2,000-3,000 gpm. The chemical quality of the water is similar to rainwater with extremely low dissolved solids and low pH. (SCDNR Water Resources Report 36: Groundwater Resources of Chesterfield County, South Carolina, 2004)

## **B. RECEPTOR SURVEY & SITE DATA**

### **1. Receptor Survey Results**

A receptor survey was not conducted during this scope of work.

### **2. Current Site and Adjacent Land Use**

Description of current site use (commercial, residential, rural, etc.):

Commercial; Convenience Store

Description of adjacent land use (commercial, residential, rural, etc.):

Residential and Commercial

UST sites within a 1,000-foot radius:

Unknown; none observed

The site is located at 820 Chesterfield Highway in Cheraw, South Carolina. The site is bordered to the west by Windsor Drive and commercial property, to the south by Chesterfield Highway and commercial property, to the east by residential properties, and to the north by commercial property. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A Site Base Map originating from a comprehensive survey completed by Christopher R. Elmer (SC Registered Land Surveyor #30759) of Tim Elmer RLS, LLC on February 27, 2014 is provided in Section J as Figure 2.

### **3. Site-Specific Geology and Hydrogeology**

Based on the Tier II Assessment reported in March 2015, the general soil profile onsite consists of sandy clay and clay underlain by sand and clayey silt in the deep wells. During this scope of work, depth to groundwater was measured between 16 and 20 feet below top of casing in the recovery and influence wells gauged prior to the start of each event.

**C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY**

Not Applicable. No soil or groundwater borings were installed during this scope of work.

**D. MONITORING WELL INFORMATION**

Not Applicable. No monitoring wells were installed during this scope of work.

**E. GROUNDWATER DATA**

Not Applicable. No groundwater samples were collected during this scope of work.



## **F. AFVR INFORMATION**

### **1. Scope of Work**

As directed by SCDHEC two (2) consecutive 96-hour AFVR Events were performed; between January 30, 2023, and February 3, 2023, event one was conducted on monitoring/recovery wells MW-1, MW-4, and RW-2 and between February 6, 2023 and February 10, 2023 event two was conducted on monitoring/recovery wells MW-19, MW-20, RW-4, and RW-5. Monitoring/recovery well MW-14 was added to event two overnight when the station was closed due to its distance from other wells. TERRY Environmental Services, Inc. performed the AFVR events.

### **2. AFVR Emissions Table**

AFVR Emissions Table (Event 1) – Attached

AFVR Emissions Table (Event 2) – Attached

Extraction Well Stinger Depth Table (Event 1) – Attached

Extraction Well Stinger Depth Table (Event 2) – Attached

### **3. Vacuum Data Table**

Vacuum and Potentiometric Data Table (Event 1) – Attached

Vacuum and Potentiometric Data Table (Event 2) – Attached

### **4. Volume of Water Recovered**

12,691 gallons of fluid were recovered during the 96-hour event conducted January 30, 2023, through February 3, 2023. 20,960 gallons of fluid were recovered during the 96-hour event conducted February 6, 2023 through February 10, 2023. A total of 33,651 gallons of fluid were recovered during the two events.

### **5. Volume of Product Recovered**

At the completion of the events no product was detected in the recovery tank. However, the AFVR process routinely emulsifies product which can take several hours to separate.

### **6. Mass of Petroleum Recovered as Vapor**

92.55 pounds of volatile organic vapors (approximate equivalent of 14.81 gallons of gasoline) were recovered during the course of the 96-hour event conducted January 30, 2023, through February 3, 2023. 226.54 pounds of volatile organic vapors (approximate equivalent of 36.25 gallons of gasoline) were recovered during the course of the 96-hour event conducted February 6, 2023 through February 10, 2023. A total of 319.09 pounds of gasoline Vapors







## AFVR Definitions and Equations

$Qstd = (60 \text{ sec/min}) (1 - Bws) (\text{velocity}) (\text{Pipe ID sq.ft.}) [(528 \text{ oR} / (\text{Temp.} + 460))] (\text{Listed As Flow Above})$

$Bws = (B_{wsw} / 18 \text{ lb-mole H}_2\text{O}) / [(1/28.84 \text{ lb-mole dry air}) + B_{wsw} / 18 \text{ lb-mole H}_2\text{O}]$

$PPMd = (PPM_w) / (1 - Bws)$        $PPMc = (PPM) (K)$

$Cc = Ccm (62.43 \text{ E } -9 \text{ lb-m}^3/\text{mg-ft}^3)$        $PMRg = (PMRc) (\text{Mg/Mcg})$

Bgs = below top of casing

$Bws = (B_{wsw} / 18 \text{ lb-mole H}_2\text{O}) / [(1/28.84 \text{ lb-mole dry air}) + B_{wsw} / 18 \text{ lb-mole H}_2\text{O}]$

$Qstd = (60 \text{ sec/min})(1 - Bws)(V)(A)(\text{Temp deg Rankin})$

Bgs = below top of casing

Bws - water vapor % by volume

PPMpre = measured directly from Photo Ionization Detector (PID) pre-treatment

PPMpost = measured directly from PID post-treatment

Bwsw - pounds of water per pound of dry air, derived from the psychometric chart (temp Vs relative hum)

PPMw = PPM measured (wet Conc.)

K = # of carbons in calibration gas (isobutylene)

PPMc = PPMv, volumetric concentration of VOC emissions as carbon, dry basis, at STP

Ccm = mg/dsm<sup>3</sup>, mass concentration of VOC emissions as carbon

Mc = 12.01 mg/mg-mole, molecular wt. of carbon

K<sub>3</sub> = 24.07 dsm<sup>3</sup>/10<sup>6</sup> mg-mole, mass to volume conversion factor at stp

Cc = lb/dscf, mass concentration of VOC emissions as carbon, dry basis, at STP

PMRc = lb/hr, pollutant mass removal rate of VOC's as carbon

PMRg = lb/hr, pollutant mass removal rate of VOC's as gasoline

Mcg = 89 mg/mg-mole, weight of carbon in gasoline molecule

PPMd = "dry" concentration

Mg = 103 mg/mg-mole, molecular wt. of gasoline

Qstd - Flow at DSCFM

Ccm = PPMc (Mc/K<sub>3</sub>)

PMRc = Cc (Qstd) (60 min/hr)

Reference:

North Carolina Department of Natural Resources, Division of Waste Management, Underground Storage Tank Section, Appendix B, Report Formats, April 2001.

**SECTION F-2B**  
**EXTRACTION WELL STINGER DEPTH TABLE (EVENT 1)**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**JANUARY 30 - FEBRUARY 3, 2023**

Well #	MW-1	Well #	MW-4	Well #	RW-2
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	18.0	0	18.0	0	18.0
0.5	18.5	0.5	18.5	0.5	18.5
1	19.0	1	19.0	1	19.0
1.5	19.5	1.5	19.5	1.5	19.5
2	20.0	2	20.0	2	20.0
2.5	20.0	2.5	20.0	2.5	20.0
3	20.0	3	20.0	3	20.0
3.5	20.0	3.5	20.0	3.5	20.5
4	20.0	4	20.0	4	21.0
4.5	20.0	4.5	20.0	4.5	21.5
5	20.0	5	20.0	5	22.0
5.5	20.0	5.5	20.0	5.5	22.5
6	20.0	6	20.0	6	23.0
6.5	20.0	6.5	20.0	6.5	23.5
7	20.0	7	20.0	7	24.0
7.5	19.5	7.5	19.5	7.5	24.0
8	19.0	8	19.0	8	23.5
9	18.5	9	18.5	9	23.0
10	18.5	10	18.5	10	22.5
11	18.5	11	18.5	11	22.5
19	19.0	19	19.0	19	23.0
20	19.0	20	19.0	20	23.0
21	19.0	21	19.0	21	23.0
22	19.0	22	19.0	22	23.0
23	19.0	23	19.0	23	23.0
24	18.5	24	18.5	24	22.5
26	18.5	26	18.5	26	22.5
28	18.5	28	18.5	28	22.5
30	18.0	30	18.0	30	22.0
32	18.0	32	18.0	32	21.0
34	18.0	34	18.0	34	20.0
35	18.0	35	18.0	35	20.0
43	18.0	43	18.0	43	20.0
45	18.0	45	18.0	45	19.5
47	18.0	47	18.0	47	19.0
49	18.0	49	18.0	49	18.5
51	18.0	51	18.0	51	18.0
53	18.0	53	18.0	53	18.0
55	18.0	55	18.0	55	18.5
57	18.0	57	18.0	57	19.0
59	18.0	59	18.0	59	19.5
67	18.0	67	18.0	67	19.5
69	18.0	69	18.0	69	19.5
71	18.5	71	18.5	71	20.0
73	19.0	73	19.0	73	20.0
75	19.0	75	19.0	75	20.0
77	19.0	77	19.0	77	20.0
79	19.0	79	19.0	79	20.0
81	19.0	81	19.0	81	20.0
83	19.0	83	19.0	83	20.0
91	19.0	91	19.0	91	20.0
93	19.0	93	19.0	93	20.0
95	19.0	95	19.0	95	20.0
96	19.0	96	19.0	96	20.0

\*Measured relative to the top of the well casing.

**SECTION F-2B**  
**EXTRACTION WELL STINGER DEPTH TABLE (EVENT 2)**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**FEBRUARY 6-10, 2023**

Well #	MW-19	Well #	MW-20	Well #	RW-4	Well #	RW-5	Well #	MW-14
Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*	Elapsed Time	Stinger Depth (ft)*
0	16.0	0	16.0	0	16.0	0	16.0	0	--
0.5	16.0	0.5	16.0	0.5	16.0	0.5	16.0	0.5	--
1	16.0	1	16.0	1	16.0	1	16.0	1	--
1.5	16.5	1.5	16.5	1.5	16.5	1.5	16.5	1.5	--
2	16.5	2	16.5	2	16.5	2	16.5	2	--
2.5	17.0	2.5	17.0	2.5	17.0	2.5	17.0	2.5	--
3	17.0	3	17.0	3	17.0	3	17.0	3	--
3.5	17.5	3.5	17.5	3.5	17.5	3.5	17.5	3.5	--
4	17.5	4	17.5	4	17.5	4	17.5	4	--
4.5	18.0	4.5	18.0	4.5	18.0	4.5	18.0	4.5	--
5	18.0	5	18.0	5	18.0	5	18.0	5	--
5.5	18.5	5.5	18.5	5.5	18.5	5.5	18.5	5.5	--
6	19.0	6	19.0	6	19.0	6	19.0	6	--
6.5	19.5	6.5	19.5	6.5	19.5	6.5	19.5	6.5	--
7	20.0	7	20.0	7	20.0	7	20.0	7	--
7.5	20.0	7.5	20.0	7.5	20.0	7.5	20.0	7.5	--
8	20.0	8	20.0	8	20.0	8	20.0	8	--
9	14.0	9	14.0	9	14.0	9	14.0	9	--
10	14.0	10	14.0	10	14.0	10	14.0	10	--
11	14.0	11	14.0	11	14.0	11	14.0	11	--
12	14.0	12	14.0	12	14.0	12	14.0	12	14.0
13	14.0	13	14.0	13	14.0	13	14.0	13	14.0
21	14.0	21	14.0	21	14.0	21	14.0	21	--
22	16.0	22	16.0	22	16.0	22	16.0	22	--
23	16.0	23	16.0	23	16.0	23	16.0	23	--
24	16.5	24	16.5	24	16.5	24	16.5	24	--
26	17.0	26	17.0	26	17.0	26	17.0	26	--
28	17.5	28	17.5	28	17.5	28	17.5	28	--
30	17.5	30	17.5	30	17.5	30	17.5	30	--
32	18.0	32	18.0	32	18.0	32	18.0	32	--
34	18.0	34	18.0	34	18.0	34	18.0	34	--
36	18.0	36	18.0	36	18.0	36	18.0	36	17.0
37	18.0	37	18.0	37	18.0	37	18.0	37	17.0
45	18.0	45	18.0	45	18.0	45	18.0	45	--
47	18.0	47	18.0	47	18.0	47	18.0	47	--
49	18.0	49	18.0	49	18.0	49	18.0	49	--
51	18.0	51	18.0	51	18.0	51	18.0	51	--
53	18.0	53	18.0	53	18.0	53	18.0	53	--
55	18.5	55	18.5	55	18.5	55	18.5	55	--
57	18.5	57	18.5	57	18.5	57	18.5	57	--
59	18.5	59	18.5	59	18.5	59	18.5	59	18.0
61	18.5	61	18.5	61	18.5	61	18.5	61	18.0
69	19.0	69	19.0	69	19.0	69	19.0	69	--
71	19.0	71	19.0	71	19.0	71	19.0	71	--
73	19.0	73	19.0	73	19.0	73	19.0	73	--
75	19.0	75	19.0	75	19.0	75	19.0	75	--
77	19.0	77	19.0	77	19.0	77	19.0	77	--
79	19.0	79	19.0	79	19.0	79	19.0	79	--
81	18.5	81	18.5	81	18.5	81	18.5	81	--
83	18.5	83	18.5	83	18.5	83	18.5	83	18.0
85	18.5	85	18.5	85	18.5	85	18.5	85	18.0
93	18.5	93	18.5	93	18.5	93	18.5	93	--
95	18.5	95	18.5	95	18.5	95	18.5	95	--
96	18.5	96	18.5	96	18.5	96	18.5	96	--

\*Measured relative to the top of the well casing.

**SECTION F-3**  
**VACUUM AND POTENTIOMETRIC DATA TABLE (EVENT 1)**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**JANUARY 30 - FEBRUARY 3, 2023**

Well #	MW-2R		Well #	MW-12		Well #	MW-13	
Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*
0	0.3	18.58	0	0.0	17.45	0	0.1	17.61
0.5	0.3	--	0.5	0.0	--	0.5	0.1	--
1	0.3	--	1	0.0	--	1	0.1	--
1.5	0.3	--	1.5	0.0	--	1.5	0.1	--
2	0.6	18.62	2	0.0	17.43	2	0.2	17.50
2.5	0.6	--	2.5	0.0	--	2.5	0.2	--
3	0.6	--	3	0.0	--	3	0.2	--
3.5	0.6	--	3.5	0.0	--	3.5	0.2	--
4	0.2	18.63	4	0.0	17.42	4	0.3	17.57
4.5	0.2	--	4.5	0.0	--	4.5	0.3	--
5	0.2	--	5	0.0	--	5	0.3	--
5.5	0.2	--	5.5	0.0	--	5.5	0.3	--
6	0.2	18.71	6	0.0	17.58	6	0.3	17.60
6.5	0.2	--	6.5	0.0	--	6.5	0.3	--
7	0.2	--	7	0.0	--	7	0.3	--
7.5	0.2	--	7.5	0.0	--	7.5	0.3	--
8	0.6	18.70	8	0.0	17.58	8	0.2	17.42
9	0.6	--	9	0.0	--	9	0.2	--
10	1.0	18.68	10	0.0	17.66	10	0.3	17.50
11	1.8	18.67	11	0.0	17.67	11	0.3	17.51
19	1.8	18.59	19	0.0	17.73	19	0.0	17.58
20	1.8	--	20	0.0	--	20	0.0	--
21	1.9	18.64	21	0.9	17.38	21	0.0	17.66
22	1.9	--	22	0.9	--	22	0.0	--
23	1.9	18.57	23	0.9	17.38	23	0.0	17.59
24	1.2	18.52	24	0.0	17.39	24	0.2	17.56
26	1.5	18.52	26	0.0	17.39	26	0.3	17.53
28	1.2	18.50	28	0.1	17.38	28	0.3	17.51
30	1.9	18.58	30	0.2	17.49	30	0.4	17.59
32	1.8	18.53	32	0.2	17.45	32	0.2	17.58
34	1.8	18.50	34	0.0	17.46	34	0.2	17.54
35	1.8	18.55	35	0.2	17.42	35	0.2	17.56
43	1.6	18.62	43	0.4	17.40	43	0.0	17.57
45	2.0	--	45	0.4	--	45	0.1	--
47	1.9	--	47	0.2	--	47	0.1	--
49	1.8	--	49	0.1	--	49	0.1	--
51	1.9	18.58	51	0.1	17.46	51	0.1	17.62
53	2.0	--	53	0.9	--	53	0.1	--
55	2.0	--	55	1.2	--	55	0.1	--
57	1.8	--	57	1.0	--	57	0.0	--
59	1.8	18.60	59	0.8	17.47	59	0.0	17.70
67	1.8	18.56	67	1.4	17.33	67	0.3	17.58
69	1.9	--	69	1.5	--	69	0.2	--
71	1.1	--	71	0.8	--	71	0.4	--
73	1.2	--	73	0.9	--	73	0.4	--
75	1.2	18.63	75	0.3	17.35	75	0.3	17.52
77	1.1	--	77	0.7	--	77	0.8	--
79	1.8	--	79	0.8	--	79	0.3	--
81	1.6	--	81	1.0	--	81	0.4	--
83	1.6	18.60	83	0.9	17.34	83	0.4	17.41
91	1.5	18.44	91	0.8	17.30	91	0.0	17.45
93	2.1	--	93	1.6	--	93	0.2	--
95	2.0	--	95	1.7	--	95	0.2	--
96	2.0	18.57	96	1.3	17.28	96	0.2	17.56

\*Relative to top of well casing.



**SECTION F-3**  
**VACUUM AND POTENTIOMETRIC DATA TABLE (EVENT 2)**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**FEBRUARY 6-10, 2023**

Well #	MW-13		Well #	MW-21		Well #	MW-23	
Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*	Elapsed Time	Vacuum (in H2O)	Depth to Water (ft.)*
0	0.0	17.56	0	0.0	19.58	0	0.0	16.01
0.5	0.0	--	0.5	0.0	--	0.5	0.0	--
1	0.0	--	1	0.0	--	1	0.0	--
1.5	0.0	--	1.5	0.0	--	1.5	0.0	--
2	0.0	--	2	0.0	--	2	0.0	--
2.5	0.0	--	2.5	0.0	--	2.5	0.0	--
3	0.0	--	3	0.0	--	3	0.0	--
3.5	0.0	--	3.5	0.0	--	3.5	0.0	--
4	0.0	--	4	0.0	--	4	0.0	--
4.5	0.0	--	4.5	0.0	--	4.5	0.0	--
5	0.0	--	5	0.0	--	5	0.0	--
5.5	0.0	--	5.5	0.0	--	5.5	0.0	--
6	0.0	--	6	0.0	--	6	0.0	--
6.5	0.0	--	6.5	0.0	--	6.5	0.0	--
7	0.0	--	7	0.0	--	7	0.0	--
7.5	0.0	--	7.5	0.0	--	7.5	0.0	--
8	0.0	17.60	8	0.0	18.87	8	0.1	16.15
9	0.0	--	9	0.0	--	9	0.0	--
10	0.0	17.64	10	0.0	18.90	10	0.1	16.16
11	0.0	--	11	0.0	--	11	0.1	--
12	0.0	17.67	12	0.0	18.92	12	0.1	16.18
13	0.0	17.68	13	0.0	18.95	13	0.0	16.20
21	0.0	17.27	21	0.0	18.68	21	0.0	15.84
22	0.0	--	22	0.0	--	22	0.0	--
23	0.0	--	23	0.5	--	23	0.5	--
24	0.0	--	24	0.6	--	24	0.5	--
26	0.0	--	26	0.1	--	26	0.1	--
28	0.0	17.43	28	0.0	18.78	28	0.0	16.34
30	0.0	--	30	0.0	--	30	0.0	--
32	0.0	--	32	0.0	--	32	0.0	--
34	0.0	--	34	0.0	--	34	0.0	--
36	0.0	--	36	0.0	--	36	0.0	--
37	0.0	17.40	37	0.0	15.90	37	0.0	18.73
45	0.0	17.59	45	0.0	18.78	45	0.0	15.95
47	0.0	--	47	0.0	--	47	0.1	--
49	0.0	--	49	0.0	--	49	0.0	--
51	0.0	--	51	0.0	--	51	0.0	--
53	0.0	17.18	53	0.0	18.61	53	0.0	15.82
55	0.0	--	55	0.0	--	55	0.0	--
57	0.0	--	57	0.0	--	57	0.0	--
59	0.0	--	59	0.0	--	59	0.0	--
61	0.0	17.14	61	0.0	18.60	61	0.0	15.76
69	0.0	17.25	69	0.0	18.62	69	0.0	15.78
71	0.0	--	71	0.0	--	71	0.0	--
73	0.0	--	73	0.0	--	73	0.0	--
75	0.0	--	75	0.0	--	75	0.0	--
77	0.0	16.97	77	0.0	18.56	77	0.0	15.63
79	0.0	--	79	0.0	--	79	0.0	--
81	0.0	--	81	0.0	--	81	0.0	--
83	0.0	--	83	0.0	--	83	0.0	--
85	0.0	17.04	85	0.0	18.53	85	0.0	15.65
93	0.0	17.05	93	0.0	18.53	93	0.0	15.63
95	0.0	--	95	0.0	--	95	0.0	--
96	0.0	17.06	96	0.0	18.51	96	0.0	15.64

\*Relative to top of well casing.

(approximate equivalent of 51.06 gallons of gasoline) were recovered as emissions during the two events. Off-gas treatment was provided during the events as directed by the SCDHEC Project Manager.

#### **7. Free Product Thickness Table**

Free Product Thickness Table (Event 1) – Attached

Free Product Thickness Table (Event 2) – Attached

#### **8. AFVR Event Map**

Figure F-8 AFVR Map (Event 1) – Attached

Figure F-8 AFVR Map (Event 2) – Attached

#### **9. Recovery Water Disposal**

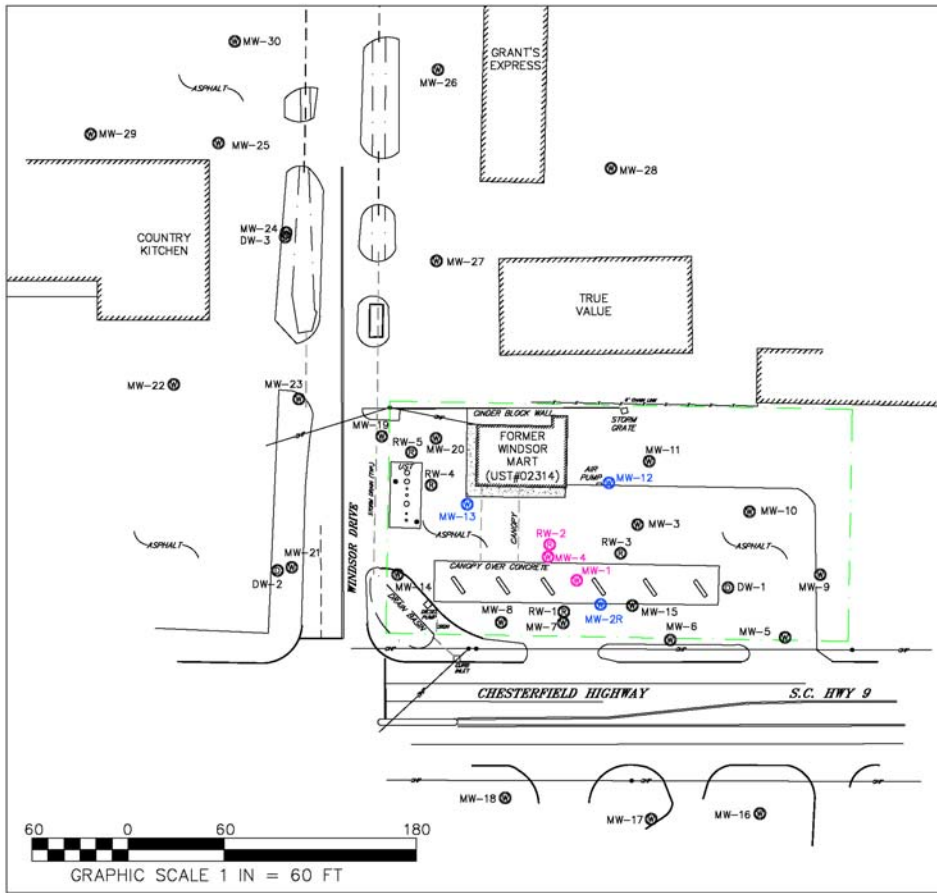
The disposal manifests and weigh tickets for the recovery water generated during the January 30-February 3, 2023, and February 6-10, 2023, AFVR Events are included in Appendix G.

**SECTION F-7**  
**FREE PRODUCT THICKNESS TABLE (EVENT 1)**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**JANUARY 30 - FEBRUARY 3, 2023**

<b>Well #</b>	<b>--</b>	<b>Depth to Product</b>	<b>Depth to Water</b>	<b>Product Thickness</b>
MW-1	Initial	18.33	18.85	0.52
	Final	n/a	18.40	n/a
MW-4	Initial	17.80	18.05	0.25
	Final	n/a	18.31	n/a
RW-2	Initial	n/a	18.02	n/a
	Final	n/a	18.34	n/a
MW-2R	Initial	n/a	18.58	n/a
	Final	n/a	18.57	n/a
MW-12	Initial	n/a	17.45	n/a
	Final	n/a	17.28	n/a
MW-13	Initial	n/a	17.61	n/a
	Final	n/a	17.56	n/a

**SECTION F-7**  
**FREE PRODUCT THICKNESS TABLE (EVENT 2)**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**FEBRUARY 6-10, 2023**

<b>Well #</b>	<b>--</b>	<b>Depth to Product</b>	<b>Depth to Water</b>	<b>Product Thickness</b>
MW-19	Initial	16.00	16.94	0.94
	Final	n/a	16.05	n/a
MW-20	Initial	n/a	16.92	n/a
	Final	n/a	16.37	n/a
RW-4	Initial	16.35	17.32	0.97
	Final	n/a	16.28	n/a
RW-5	Initial	n/a	16.79	n/a
	Final	n/a	16.55	n/a
MW-14	Initial	17.34	17.78	0.44
	Final	n/a	17.26	n/a
MW-13	Initial	n/a	17.56	n/a
	Final	n/a	17.06	n/a
MW-21	Initial	n/a	19.58	n/a
	Final	n/a	18.51	n/a
MW-23	Initial	n/a	16.01	n/a
	Final	n/a	15.64	n/a



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)

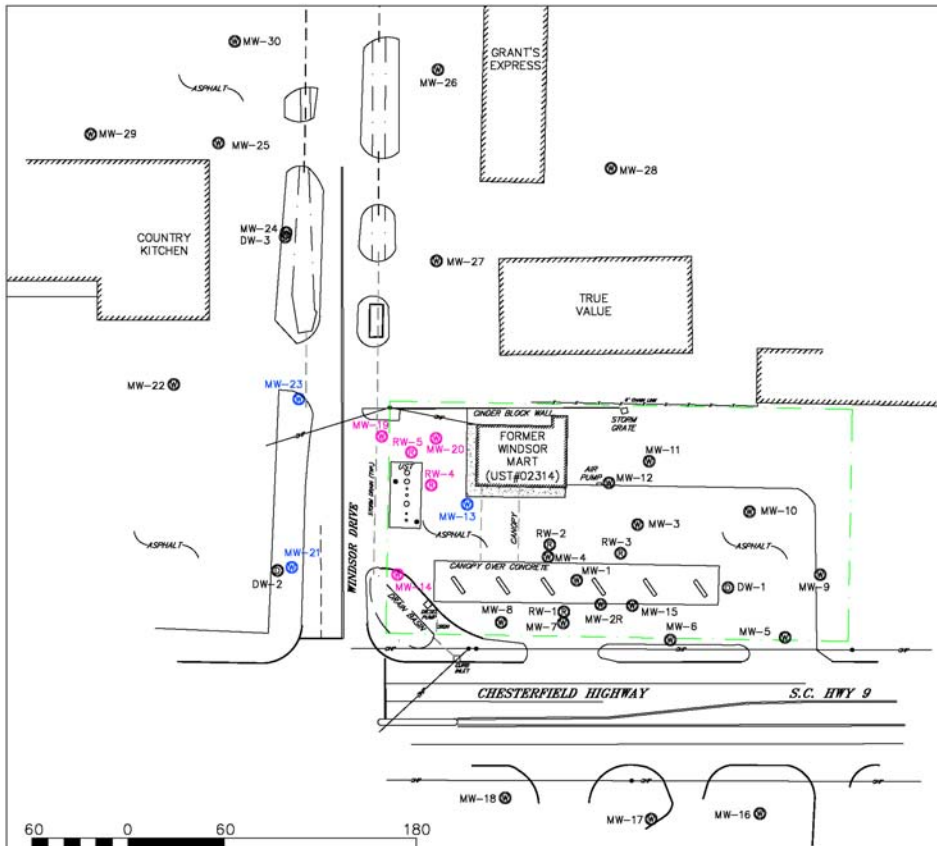
- RECOVERY WELL
- INFLUENCE WELL



**FIGURE F-8  
AFVR MAP (EVENT #1)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE February 2023



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)

- RECOVERY WELL
- INFLUENCE WELL

MW-14 was added to the event overnight while the store was closed.



**FIGURE F-8  
AFVR MAP (EVENT #2)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE February 2023

**G. GRANULATED ACTIVATED CARBON INSTALLATION**

Not Applicable. No granulated activated carbon units were installed during this scope of work.



## **H. RESULTS & DISCUSSION**

### **1. Assessment Results**

During this scope of work, TERRY conducted two separate 96-hour AFVR events in accordance with the SCDHEC UST QAPP, Revision 4.0. Prior to the January 30-February 3, 2023, event, free-phase product was measured in MW-1 (0.52 feet) and MW-4 (0.25 feet). Upon completion of the event, no free-phase product was measured. Prior to the February 6-10, 2023 event, free-phase product was measured in MW-14 (0.44 feet), MW-19 (0.94 feet), and RW-4 (0.97 feet). Upon completion of the event, no free-phase product was measured. A total of 319.09 pounds of gasoline vapors (approximate equivalent of 51.06 gallons of gasoline) were recovered as emissions during the two events.

The AFVR events were successful at recovering contaminant mass and dewatering the source area. Per the current directive, TERRY is scheduled to conduct a comprehensive groundwater sampling event in April 2023, approximately 60 days after the AFVR Events.

### **2. Aquifer Evaluation Results**

Not Applicable

### **3. Fate & Transport Results**

Not Applicable

### **4. Tier 1 Risk Evaluation**

Not Applicable

### **5. Tier 2 Risk Evaluation**

Not Applicable

**I. TABLES**

**1. Soil Analytical Data**

Table 1 Soil Analytical Data - Not Applicable

**2. Potentiometric Data**

Table 2 Potentiometric Data - Not Applicable

**3. Laboratory Data**

Table 3 Groundwater Laboratory Data - Not Applicable

**4. Aquifer Characteristics**

Table 4 Aquifer Characteristics - Not Applicable

**5. Site Conceptual Model**

Table 5 Site Conceptual Model - Not Applicable

## **J. FIGURES**

### **1. Topographic Map**

Figure 1 Topographic Map - Attached

### **2. Site Base Map**

Figure 2 Site Base Map - Attached

### **3. CoC Site Maps**

Figure 3 Soil CoC Map - Not Applicable

Figure 4 Groundwater CoC Map - Not Applicable

### **4. Site Potentiometric Maps**

Figure 5 Site Potentiometric Map – Not Applicable

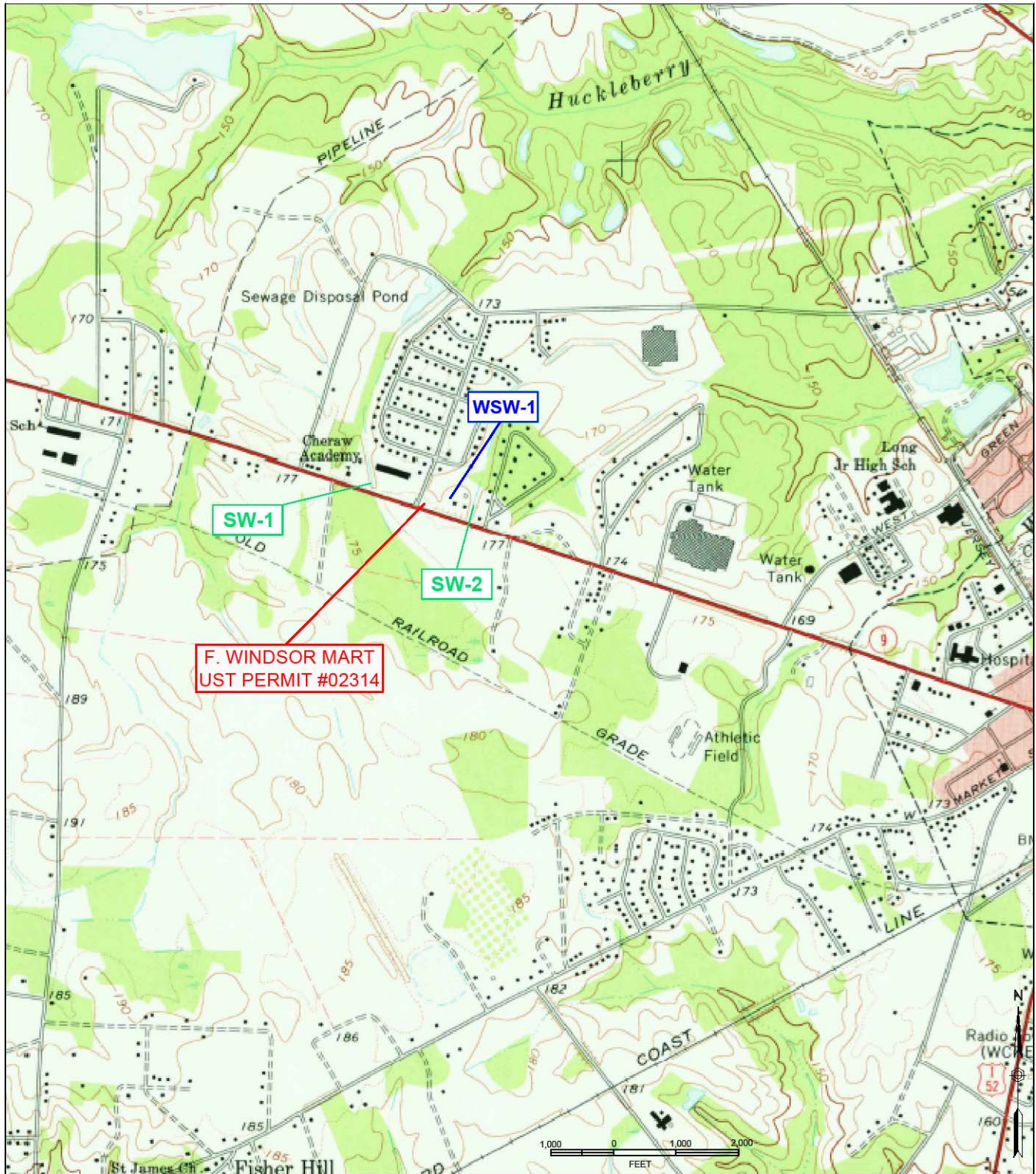
### **5. Geologic Cross Sections**

Figure 6 Geologic Cross Sections - Not Applicable

### **6. Predicted Migration and Attenuation of CoCs**

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable





**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



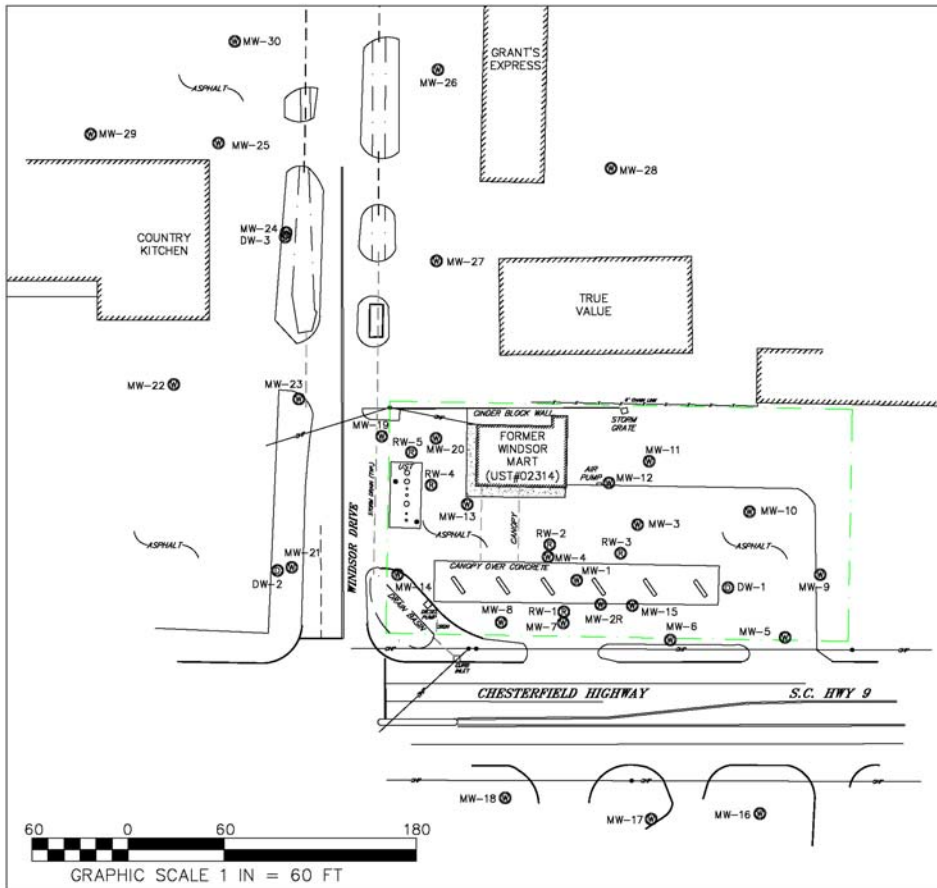
... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE B	TERRY Project No. 2171.90	DWG NO. Figure 1 Topo Map	REV
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SCALE: As Shown

DATE: February 2023



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE February 2023

**K. APPENDICES**

**1. Appendix A: Site Survey**

Not Applicable

**2. Appendix B: Sampling Logs and Laboratory Data**

Not Applicable

**3. Appendix C: Tax Map**

Not Applicable

**4. Appendix D: Soil Boring/Field Screening Logs**

Not Applicable

**5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms**

Not Applicable

**6. Appendix F: Aquifer Evaluation Forms**

Not Applicable

**7. Appendix G: Disposal Manifests**

**8. Appendix H: Local Zoning Regulations**

Not Applicable

**9. Appendix I: Fate and Transport Modeling Data**

Not Applicable

**10. Appendix J: Access Agreements**

Not Applicable

**11. Appendix K: Data Verification Checklist**

**APPENDIX A**

**Site Survey  
(Not Applicable)**



## **APPENDIX B**

### **Sampling Logs and Laboratory Data (Not Applicable)**

**APPENDIX C**

**Tax Map  
(Not Applicable)**

**APPENDIX D**

**Soil Boring/Field Screening Logs  
(Not Applicable)**

**APPENDIX E**

**Well Completion Logs/SCDHEC 1903 Forms  
(Not Applicable)**

**APPENDIX F**

**Aquifer Evaluation Forms  
(Not Applicable)**

**APPENDIX G**

**Disposal Manifests**

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>		
1. Generator's EPA ID# (if applicable):		Waste ID Number:		
2. Generator's Name and Mailing Address: <i>CORNER COPBOARD FOOD STORE</i>		Phone ( )		
		P O #:		
3. Agent of Generator and Mailing Address: <i>CHERAW SC</i>		Phone ( )		
		P O #:		
4. Transporter Company Name: <i>GOODSELL TRANSPORT</i>		Phone ( )		
Truck & Trailer License Number: <i>GOODSELL DEEM SC</i>				
5. Transporter U.S. EPA ID#:				
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		
		Phone: (843) 797-3111		
		Fax: (843) 797-1884		
7. Facility U.S. EPA ID#:				
Start Level:		End Level:		
		Total Gallons:		
		Tank Number		
8. U.S. DOT Description	Container		Unit	Quantity
	No.	Type		
a. Non-Hazardous, non-regulated waste water	<i>001</i>	<i>TT</i>	<i>Gal</i>	<i>4238</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.				
Printed/Typed Name: <i>Mary Kule</i>		Signature: <i>Mary Kule</i>		Date: <i>02-01-23</i>
10. Transporter Acknowledgement of Receipt of Materials				
Printed/Typed Name: <i>Paul Goodsell</i>		Signature: <i>Paul Goodsell</i>		Date: <i>2-1-23</i>
11. Discrepancy Indication space:				
12. Facility Owner or Operator: Certification of Receipt of Materials				
Printed/Typed Name: <i>Paul Goodsell</i>		Signature: <i>Paul Goodsell</i>		Date: <i>2-1-23</i>

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator



TICKET NUMBER  
1089323032518



**CERTIFIED  
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TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

13:04  
PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE



WEIGH NUMBER  
1499

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, OR
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 2-01-23	STEER AXLE	10540 lb
	DRIVE AXLE	29480 lb
	TRAILER AXLE	24760 lb
	* GROSS WEIGHT	64780 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

35,300 net = 4,238G

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOODSELL TRANSPORT TRACTOR # 06 TRAILER # 108

\*\*PAID CC (...3005)\*\* FEE \$3.50 WEIGHMASTER OR WEIGHER SIGNATURE Sherry Yarbrough TICKET # OF FULL \$ WEIGH (IF REWEIGH) 1089323031499



TICKET NUMBER  
1321123033827

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

17



**CERTIFIED  
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TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

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- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-02-23	STEER AXLE	10420 lb
		DRIVE AXLE	11260 lb
		TRAILER AXLE	7800 lb
		* GROSS WEIGHT	29480 lb

05:05

SCALE:

3211  
LOVES  
195 EXIT 108 NWC  
SUMMERTON SC

LOCATION:  
PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.



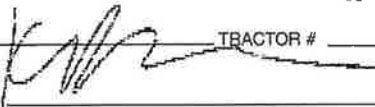
WEIGH NUMBER  
3824

FREIGHT ALL KINDS

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED  
GOOD SELL

11 114

COMPANY \_\_\_\_\_ TRACTOR # \_\_\_\_\_ TRAILER # \_\_\_\_\_

FEE \$3.50 WEIGHMASTER OR WEIGHER SIGNATURE  TICKET # OF FULL \$ WEIGH (IF REWEIGH) 1321123033824

PSTOMER COPY

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>2 CORNER CUPBOARD</i>		Phone ( )	
<i>820 CHESTER FIELD HWY</i>		PO #:	
<i>CHERAW SE.</i>			
3. Agent of Generator and Mailing Address:		Phone ( )	
<i>TEARY ENV.</i>		PO #:	
4. Transporter Company Name: <i>HOODSOLL TRANSPORT</i>		Phone ( )	
Truck & Trailer License Number: <i>GOOSE CREEK SC</i>			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
		Phone: (843) 797-3111 Fax: (843) 797-1884	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description		Container	Unit
		No.	Type
a. Non-Hazardous, non-regulated waste water		<i>001</i>	<i>TT</i>
			<i>9AL</i>
			<i>5460</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Mary Kule</i>		Signature: <i>Mary Kule</i>	
		Date: <i>02-03-23</i>	
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name: <i>Paul Goodsell</i>		Signature: <i>Paul Goodsell</i>	
		Date: <i>2-3-23</i>	
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name: <i>PAUL Goodsell</i>		Signature: <i>Paul Goodsell</i>	
		Date: <i>2-3-23</i>	

White - Facility    Yellow - Office    Pink - Transporter    Blue - Generator

28373

TICKET NUMBER  
1089323034568



**CERTIFIED  
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TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

13:06

PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE



WEIGH NUMBER  
4568

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If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

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- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit [www.catscaleguarantee.com](http://www.catscaleguarantee.com) for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 2-03-23	STEER AXLE	10460 lb
	DRIVE AXLE	34560 lb
	TRAILER AXLE	29940 lb
	* GROSS WEIGHT	74960 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

45,480 net = 5,460 G

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOODSELL TRANSPORT TRACTOR # 06 TRAILER # 108

\*\*PAID CC (...3005)\*\* FEE \$13.00 WEIGHMASTER OR WEIGHER SIGNATURE Grace Sandhu TICKET # OF FULL \$ WEIGH (IF REWEIGH)



TICKET NUMBER  
1321123033827

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

WEIGH  
FASTER  
WITH OUR APP  
FIND OUT MORE AT  
WEIGHMYTRUCK.COM



**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-02-23	STEER AXLE	10420 lb
		DRIVE AXLE	11260 lb
		TRAILER AXLE	7800 lb
		* GROSS WEIGHT	29480 lb

05:05

SCALE:

3211  
LOVES  
195 EXIT 108 NWC  
SUMMERTON SC

PUBLIC WEIGHMASTER  
CERTIFICATE OF  
WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.



FREIGHT ALL KINDS

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED  
GOODS

11 114

WEIGH NUMBER  
3824

COMPANY

TRACTOR #

TRAILER #

FEE \$3.50

WEIGHMASTER OR  
WEIGHER SIGNATURE

TICKET # OF  
FULL \$ WEIGH  
(IF REWEIGH)

1321123033824

CUSTOMER COPY

© CAT Scale® Reg 3081 6/22

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: CORNER CUPBOARD 820 CHESTERFIELD CHERAW, SC.		Phone ( ) PO#:	
3. Agent of Generator and Mailing Address: TERRY ENVIRONMENTAL		Phone ( ) PO#:	
4. Transporter Company Name: GOODSELL TRANSPORT		Phone ( )	
Truck & Trailer License Number:			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
		Phone: (843) 797-3111 Fax: (843) 797-1884	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description	Container		Unit
	No.	Type	Quantity
a. Non-Hazardous, non-regulated waste water	107	VT Gal.	5986
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: CORNER MURPHY		Signature: CORNER MURPHY	Date: 2-7-23
10. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name: GUY PIERSON		Signature: GUY PIERSON	Date: 2-7-23
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials Printed/Typed Name: PAUL GOODSELL		Signature: PAUL GOODSELL	Date: 2-7-23

White - Facility

Yellow - Office

Pink - Transporter

Blue - Generator

28435



1008723038569



# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

10:12

**PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE**



WEIGH NUMBER  
8569

### THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

### IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit [www.catscaleguarantee.com](http://www.catscaleguarantee.com) for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-07-23	STEER AXLE	10560	1b
SCALE:	87	DRIVE AXLE	33800	1b
LOCATION:	T/A MANNING	TRAILER AXLE	34980	1b
	I 95 EXIT 119	*GROSS WEIGHT	79340	1b
	MANNING SC			

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

49,860 net = 5,9866

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOOD SELL TRACTOR # 12 TRAILER # 107

FEE \$13.00 WEIGHMASTER OR WEIGHER SIGNATURE James Paul TICKET # OF FULL \$ WEIGH (IF REWEIGH)

© CAT Scale® Reg 3075 5/21

WEIGH  
FASTER  
WITH OUR APP.  
FIND OUT MORE AT  
WEIGHMYTRUCK.COM

DRIVER IN TRUCK UNLESS CHECKED HERE:



TICKET NUMBER  
1321123033827

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

WEIGH  
FASTER  
WITH OUR APP.  
FIND OUT MORE AT  
WEIGHMYTRUCK.COM



**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-02-23	STEER AXLE	10420 lb
		DRIVE AXLE	11260 lb
		TRAILER AXLE	7800 lb
		* GROSS WEIGHT	29480 lb

05:05

SCALE:

3211  
LOVES  
195 EXIT 108 NWC  
SUMMERTON SC

PUBLIC WEIGHMASTER  
CERTIFICATE OF  
WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.



FREIGHT ALL KINDS

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED  
GOODS

11 114

COMPANY

TRACTOR #

TRAILER #

1321123033824

FEE \$3.50

WEIGHMASTER OR  
WEIGHER SIGNATURE

TICKET # OF  
FULL \$ WEIGH  
(IF REWEIGH)

WEIGH NUMBER  
3824

CUSTOMER COPY

© CAT Scale® Reg 3081 6/22

# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>CORNER CUPBOARD</i>		Phone ( )	
<i>CHERAW SC.</i>		P O #:	
3. Agent of Generator and Mailing Address: <i>TERRY ENVI</i>		Phone ( )	
		P O #:	
4. Transporter Company Name: <i>Goodsell Transport</i>		Phone ( )	
Truck & Trailer License Number: <i>GOOSE CREEK SC.</i>			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
		Phone: (843) 797-3111 Fax: (843) 797-1884	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description	Container		Unit
	No.	Type	Quantity
a. Non-Hazardous, non-regulated waste water	<i>001</i>	<i>TT</i>	<i>EA</i>
			<i>6264</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Mary Hill</i>		Signature: <i>Mary Hill</i>	Date: <i>02-07-23</i>
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name: <i>Paul Goodsell</i>		Signature: <i>Paul Goodsell</i>	Date: <i>2-7-23</i>
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name: <i>Paul Goodsell</i>		Signature: <i>Paul Goodsell</i>	Date: <i>2-7-23</i>

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator

28380

TICKET NUMBER  
1089323038644



**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

22:54

SCALE: 893  
LOCATION: MR FUEL PILOT  
1 26 EXIT 199  
SUMMERVILLE SC

PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE



WEIGH NUMBER  
8638

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit [www.catscaleguarantee.com](http://www.catscaleguarantee.com) for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

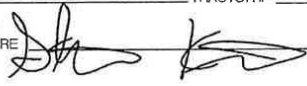
DATE: 2-07-23	STEER AXLE	10380 lb
	DRIVE AXLE	38120 lb
	TRAILER AXLE	33160 lb
	* GROSS WEIGHT	81660 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

52,180 net = 6,264 G

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOODSELL TRANSPORT TRACTOR # 06 TRAILER # 108

\*\*PAID CC (...3005)\*\* FEE \$3.50 WEIGHMASTER OR WEIGHER SIGNATURE  TICKET # OF FULL \$ WEIGH (IF REWEIGH) 1089323038638



TICKET NUMBER  
1321123033827

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash. ©



**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

05:05

**PUBLIC WEIGHMASTER  
CERTIFICATE OF  
WEIGHT & MEASURE**



**WEIGH NUMBER  
3824**

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
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**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

- 1) Post bond and request a court date.
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- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-02-23	STEER AXLE	10420 lb
		DRIVE AXLE	11260 lb
		TRAILER AXLE	7800 lb
		* GROSS WEIGHT	29480 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.

**FREIGHT ALL KINDS**

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED  
GOODS

11 114

COMPANY

TRACTOR #

TRAILER #

FEE \$3.50

WEIGHMASTER OR  
WEIGHER SIGNATURE

TICKET # OF  
FULL \$ WEIGH  
(IF REWEIGH)

1321123033824

CUSTOMER COPY

© CAT Scale® Reg 3081 6/22



# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>CORNER CUPBOARD</i>		Phone ( )	
<i>CHERAW SC</i>		P O #:	
3. Agent of Generator and Mailing Address: <i>TERRY ENU.</i>		Phone ( )	
		P O #:	
4. Transporter Company Name: <i>HOODSOLL TRANSPORT</i>		Phone ( )	
Truck & Trailer License Number: <i>GOOSE CREEK SC</i>			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
		Phone: (843) 797-3111 Fax: (843) 797-1884	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description		Container	Unit
		No.	Type
a. Non-Hazardous, non-regulated waste water		<i>04</i>	<i>TT</i>
			<i>GA</i>
			<i>6430</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Mary Kelle</i>		Signature: <i>Mary Kelle</i>	
		Date: <i>02-08-23</i>	
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name: <i>Paul Hoodsohl</i>		Signature: <i>P Hoodsohl</i>	
		Date: <i>2-8-23</i>	
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name: <i>Wathala Dyer</i>		Signature: <i>Wathala Dyer</i>	
		Date: <i>02/08/23</i>	

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator



TICKET NUMBER  
1094723039246



**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

16:11

PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE



WEIGH NUMBER  
9246

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

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- 1) Post bond and request a court date.
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- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 2-08-23	STEER AXLE	10400 lb
	DRIVE AXLE	38960 lb
SCALE: 947	TRAILER AXLE	33680 lb
LOCATION: TRAVELCENTERS OF AMERIC	* GROSS WEIGHT	83040 lb
I-95 EXIT 164		
FLORENCE SC		

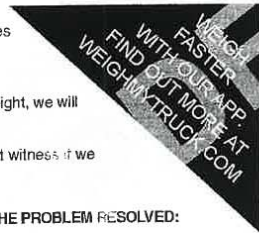
This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

53,560 = 6,4306

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOODSELL TRANSPORT TRACTOR # 06 TRAILER # 108

\*\*PAID CC (...3005)\*\* FEE \$13.00 WEIGHMASTER OR WEIGHER SIGNATURE [Signature] TICKET # OF FULL \$ WEIGH (IF REWEIGH)



TICKET NUMBER  
1321123033827

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes ~~us different~~ from other scale companies is that we back up our guarantee with cash.®

WEIGH  
FASTER  
WITH OUR APP.  
FIND OUT MORE AT  
WEIGHMYTRUCK.COM



**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

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- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
[www.catscale.com](http://www.catscale.com)

\* The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-02-23	STEER AXLE	10420	lb
		DRIVE AXLE	11260	lb
		TRAILER AXLE	7800	lb
		* GROSS WEIGHT	29480	lb

05:05

SCALE:

3211  
LOVES  
195 EXIT 108 NWC  
SUMMERTON SC

LOCATION:  
PUBLIC WEIGHMASTER  
CERTIFICATE OF  
WEIGHT & MEASURE

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facia evidence of the accuracy of the weight shown as prescribed by law.



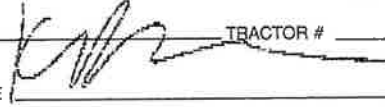
FREIGHT ALL KINDS

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED

GOOD SELL 11 114

WEIGH NUMBER  
3824

COMPANY \_\_\_\_\_ TRACTOR # \_\_\_\_\_ TRAILER # \_\_\_\_\_

FEE \$3.50 WEIGHMASTER OR WEIGHER SIGNATURE  TICKET # OF FULL \$ WEIGH (IF REWEIGH) 1321123033824

CUSTOMER COPY

© CAT Scale® Reg 3081 6/22



# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>CORNER COPBOARD</i>		Phone ( )	
<i>Cheraw SC</i>		P O #:	
3. Agent of Generator and Mailing Address: <i>TERRY ENU.</i>		Phone ( )	
		P O #:	
4. Transporter Company Name: <i>Goodsell Transport</i>		Phone ( )	
Truck & Trailer License Number: <i>GOOSE CREEK SC.</i>			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
		Phone: (843) 797-3111 Fax: (843) 797-1884	
7. Facility U.S. EPA ID#:			
Start Level:	End Level:	Total Gallons:	Tank Number
8. U.S. DOT Description		Container	Unit
		No.	Type
a. Non-Hazardous, non-regulated waste water		<i>001</i>	<i>TT</i>
			<i>Gal</i>
			<i>4567</i>
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Connie McLoughlin</i>		Signature: <i>Connie McLoughlin</i>	Date: <i>2-9-23</i>
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name: <i>Paul Goodsell</i>		Signature: <i>Paul Goodsell</i>	Date: <i>2-9-23</i>
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name: <i>Walter Dyer</i>		Signature: <i>Walter Dyer</i>	Date: <i>02/09/23</i>

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator

TICKET NUMBER  
1094723040254



**CERTIFIED  
AUTOMATED  
TRUCK  
SCALE**

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

08:31  
PUBLIC WEIGHMASTER'S  
CERTIFICATE OF  
WEIGHT & MEASURE



WEIGH NUMBER  
9246

**THE CAT SCALE GUARANTEE**

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

**WEIGH WHAT WE SAY OR WE PAY®**

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

- (1) Reimburse you for the cost of the overweight fine if our scale is wrong, **OR**
- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

**IF YOU SHOULD GET AN OVERWEIGHT FINE, YOU SHOULD DO THE FOLLOWING TO GET THE PROBLEM RESOLVED:**

- 1) Post bond and request a court date.
- 2) Call CAT Scale Company direct 24 hours a day at 1-877-CAT-SCALE, ext. 7 (Toll Free) or visit www.catscaleguarantee.com for instructions.
- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE: 2-09-23	STEER AXLE	10560 lb
	DRIVE AXLE	30980 lb
	TRAILER AXLE	25980 lb
	* GROSS WEIGHT	67520 lb

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

38,040 net = 4,5676

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED FREIGHT ALL KINDS

COMPANY GOODSELL TRANSPORT TRACTOR # 06 TRAILER # 108

\*\*PAID CC (...3005)\*\* FEE \$3.50 WEIGHMASTER OR WEIGHER SIGNATURE Jessica Henderson TICKET # OF FULL \$ WEIGH (IF REWEIGH) 1094723039246



TICKET NUMBER  
1321123033827



# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

05:05

**PUBLIC WEIGHMASTER  
CERTIFICATE OF  
WEIGHT & MEASURE**



WEIGH NUMBER  
3824

## THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes ~~so different~~ from other scale companies is that we back up our guarantee with cash.®

### WEIGH WHAT WE SAY OR WE PAY®

If you get an overweight fine from the state **AFTER** one of our CAT Scales showed a legal weight, we will immediately check our scale and we will:

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- (2) A representative of CAT Scale Company will appear in court **WITH** the driver as an expert witness if we believe our scale was correct.

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- 3) **IMMEDIATELY** send a copy of the citation, CAT Scale Ticket, your name, company, address, and phone number to CAT Scale Company Attn: Guarantee Department.

\*The four weights shown below are separate weights. The GROSS WEIGHT is the CERTIFIED WEIGHT and was weighed on a full length platform scale. All weights are guaranteed by CAT Scale.

DATE:	2-02-23	STEER AXLE	10420	1b
		DRIVE AXLE	11260	1b
		TRAILER AXLE	7800	1b
		* GROSS WEIGHT	29480	1b

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

FREIGHT ALL KINDS

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED

GOOD SELL

11

114

COMPANY

TRACTOR #

TRAILER #

1321123033824

FEE

\$3.50

WEIGHMASTER OR  
WEIGHER SIGNATURE

TICKET # OF  
FULL \$ WEIGH  
(IF REWEIGH)



# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>		
1. Generator's EPA ID# (if applicable):		Waste ID Number:		
2. Generator's Name and Mailing Address: 820 CHESTERFIELD HWY CHERAW, SC.		Phone ( )		
		P O #:		
3. Agent of Generator and Mailing Address: TERRY BROWN		Phone ( )		
		P O #:		
4. Transporter Company Name: GOOSE CREEK TRANSPORT GOOSE CREEK S.C.		Phone ( )		
Truck & Trailer License Number:				
5. Transporter U.S. EPA ID#:				
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		
		Phone: (843) 797-3111		
		Fax: (843) 797-1884		
7. Facility U.S. EPA ID#:				
Start Level:		End Level:		
		Total Gallons:		
		Tank Number		
8. U.S. DOT Description	Container		Unit	Quantity
	No.	Type		
a. Non-Hazardous, non-regulated waste water	1/10	UT	GAL.	<del>706</del> 706
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.				
Printed/Typed Name: PAUL GOODSELL AS AGENT FOR TERRY B.W.		Signature: [Signature]		Date: 2-11-23
10. Transporter Acknowledgement of Receipt of Materials				
Printed/Typed Name: BOB GOODSELL		Signature: [Signature]		Date: 2/11/23
11. Discrepancy Indication space:				
12. Facility Owner or Operator: Certification of Receipt of Materials				
Printed/Typed Name: PAUL GOODSELL		Signature: [Signature]		Date: 2-11-23

White - Facility      Yellow - Office      Pink - Transporter      Blue - Generator

27592



TICKET NUMBER  
1321123033827



# CERTIFIED AUTOMATED TRUCK SCALE

CAT SCALE COMPANY  
P.O. BOX 630  
WALCOTT, IA 52773  
(877) 228-7225  
www.catscale.com

05:05

PUBLIC WEIGHMASTER  
CERTIFICATE OF  
WEIGHT & MEASURE



WEIGH NUMBER  
3824

### THE CAT SCALE GUARANTEE

The CAT Scale Company guarantees that our scales will give an accurate weight. What makes us different from other scale companies is that we back up our guarantee with cash.®

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		DRIVE AXLE	11260	1b
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		* GROSS WEIGHT	29480	1b

This is to certify that the following described merchandise was weighed, counted, or measured by a public or deputy weighmaster, and when properly signed and sealed shall be prima facie evidence of the accuracy of the weight shown as prescribed by law.

FREIGHT ALL KINDS

LIVESTOCK, PRODUCE, PROPERTY, COMMODITY, OR ARTICLE WEIGHED  
GOOD SELL

COMPANY \_\_\_\_\_ TRACTOR # \_\_\_\_\_ TRAILER # \_\_\_\_\_

FEE \$3.50 WEIGHMASTER OR WEIGHER SIGNATURE  TICKET # OF FULL \$ WEIGH (IF REWEIGH) 1321123033824

CUSTOMER COPY



**APPENDIX H**

**Local Zoning Regulations  
(Not Applicable)**



**APPENDIX I**

**Fate and Transport Modeling Data  
(Not Applicable)**

**APPENDIX J**

**Access Agreements  
(Not Applicable)**

## **APPENDIX K**

### **Data Verification Checklist**

## Contractor Checklist – – Maruti Kundal (Former Windsor Mart)

**UST Permit #02314 - TERRY Project #2171.90**

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?	X		
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			X
34	Has the current and historical laboratory data been provided in tabular format?			X

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.

# Document Receipt Information

Hard Copy

CD

Date Received 5-5-23

Permit Number 07314

Project Manager Jeymaris Pangle Hilew

Name of Contractor TES

Docket Title 72 tech

Document Number GWM

Scanned \_\_\_\_\_

**GROUNDWATER MONITORING REPORT  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
CA #66540**

Prepared For:

**SCDHEC UNDERGROUND STORAGE TANK PROGRAM  
2600 BULL ST.  
COLUMBIA, SC 29201**

Submitted By:



P.O. BOX 25  
SUMMERVILLE, SOUTH CAROLINA 29484  
(843) 873-8200  
Fax (843) 225-3472  
[www.terryenvironmental.com](http://www.terryenvironmental.com)

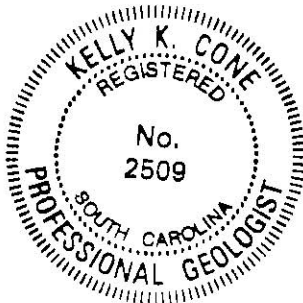
UST CONTRACTOR #UCC-0223  
TERRY PROJECT #2171.90

Handwritten signature of Kelly K. Cone in black ink.

Kelly K. Cone, PG  
Vice President

Handwritten signature of Jason A. Terry in blue ink.

Jason A. Terry, PG  
President



MAY 2023



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**A. INTRODUCTION**
**1. UST Facility and Owner/Operator Information**

Facility Name (Permit #): Maruti Kundal (Former Windsor Mart) (02314)  
 Facility Address: 820 Chesterfield Highway, Cheraw, South Carolina 29520  
 Facility Telephone: 843-537-9096  
  
 Owner/ Operator Name: Jackson Oil Company (Contact: Charles Jackson)  
 Owner/ Operator Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Owner/ Operator Telephone: 843-537-7080

**2. Property Owner Information**

Name: Jackson Oil Company (Contact: Charles Jackson)  
 Address: 755 South 4<sup>th</sup> Street, Hartsville, SC 29550  
 Telephone: 843-537-7080

**3. Contractor Information**

Name: Terry Environmental Services, Inc.  
 Address: P.O. Box 25, Summerville, South Carolina 29484  
 Telephone: 843-873-8200  
 Certification: UCC-0223

**4. Well Driller Information**

Not Applicable

**5. Laboratory Information**

Name: Pace Analytical Services, LLC  
 Address: 106 Vantage Point Drive, Columbia, SC 29172  
 Telephone: 803-791-9700  
 Certification: 32010001

**6. Site History**

Date Release Reported to SCDHEC: December 6, 1991  
 Estimated Quantity of Product Released: Unknown  
 Cause of Release: Unknown  
 Current use of Facility: Gas Station and Convenience Store (Windsor Mart)

UST #	Product	Date Installed	Currently in Use (Yes or No)	If not in use, Date Removed
1 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
2 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
3 (4,000 gal)	Gasoline	Unknown	No	1/21/1997
4 (20,000 gal)	Multiple Petroleum	Unknown	Yes	--

Other Releases at this site?	Yes _____	No <b>XXXX</b>
If yes, Date Release Reported to SCDHEC	n/a	
<b>Status of Release:</b>	n/a	
No Further Action Date:	n/a	

### 7. Regional Geology and Hydrogeology

The Maruti Kundal (former Windsor Mart) site is located in Cheraw, South Carolina which lies in the northeastern portion of the Coastal Plain Province of South Carolina. This province was deposited during a series of transgressive and regressive eustatic sea level changes. The Coastal Plain is comprised of an area of erosional topography near the Fall Line which is considered the Inner Coastal plain and an area of constructional topography that extends seaward which is considered the Outer Coastal Plain. Cheraw is located in the Inner Coastal Plain where the sediments can be highly weathered and therefore causing stratigraphy and aerial distribution to be poorly understood. The Middendorf Formation outcrops in the Inner Coastal Plain and consists of intercalated, lensing, thick bedded, light-colored sands, and clays (mudstones). (The Geology of the Carolinas, Horton & Zullo, 1991)

The site is located below the Fall Line in the Coastal Plain Province. This area consists of sand and clay beds of the Middendorf Formation. Near the southern border of Chesterfield County, the sand aquifers of the Middendorf occur to depths as great as 450 feet. Wells located in these aquifers yield as much as 900 gallons per minute (gpm) with the potential for yields up to 2,000-3,000 gpm. The chemical quality of the water is similar to rainwater with extremely low dissolved solids and low pH. (SCDNR Water Resources Report 36: Groundwater Resources of Chesterfield County, South Carolina, 2004)



## **B. RECEPTOR SURVEY & SITE DATA**

### **1. Receptor Survey Results**

A receptor survey was not conducted during this scope of work. A water supply well (WSW-1) was previously observed on the adjacent residential property to the east (802 Chesterfield Highway). The owner stated it was installed in the last few years for irrigation. Based on the USGS topographic map there are two drainage features located approximately 800 to 1,000 feet to the east and west of the subject site (SW-1 and SW-2).

### **2. Current Site and Adjacent Land Use**

Description of current site use (commercial, residential, rural, etc.):

Commercial; Convenience Store

Description of adjacent land use (commercial, residential, rural, etc):

Residential and Commercial

UST sites within a 1,000-foot radius:

Unknown; none observed

The site is located at 820 Chesterfield Highway in Cheraw, South Carolina. The site is bordered to the west by Windsor Drive and commercial property, to the south by Chesterfield Highway and commercial property, to the east by residential properties, and to the north by commercial property. The general site location is shown on the Topographic Map provided in Section J as Figure 1. A Site Base Map originating from a comprehensive survey completed by Christopher R. Elmer (SC Registered Land Surveyor #30759) of Tim Elmer RLS, LLC on February 27, 2014, is provided in Section J as Figure 2.

### **3. Site-Specific Geology and Hydrogeology**

Based on the Tier II Assessment reported in March 2015, the general soil profile onsite consists of sandy clay and clay underlain by sand and clayey silt in the deep wells. The Site Potentiometric Maps (Figures 5A and 5B) are included in Section J. Based on the data, shallow groundwater flow is generally to the north and deep groundwater flow is generally to the northeast.

**C. SOIL ASSESSMENT/FIELD SCREENING INFORMATION & METHODOLOGY**

Not Applicable. No soil or groundwater borings were installed during this scope of work.

**D. MONITORING WELL INFORMATION**

Not Applicable. No monitoring wells were installed during this scope of work.

## E. GROUNDWATER DATA

### 1. Groundwater Sampling Methodology

TERRY conducted a comprehensive groundwater sampling event April 17 through April 19, 2023. Just prior to the sampling event, all monitoring wells were gauged with an oil/water interface probe to determine depth to groundwater measurements and the presence or absence of free-phase petroleum. Water level was recorded to the nearest 0.01 foot and total well depth was recorded to the nearest 0.1 foot. Surface water location SW-1 was sampled. SW-2 was dry. TERRY also collected a sample from water supply well (WSW-1). Photographs of the surface water sampling locations are included in Appendix B with the sampling logs.

Sampling was conducted from the least contaminated wells to the most contaminated wells based on the previous assessment data. A clean purge pump with new disposable tubing was utilized for purging the deep wells with large casing volumes and/or adequate recharge rates. Groundwater samples were collected from each monitoring well with a new disposable bailer. Bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the volatile organic compounds (VOCs). The water supply well sample was collected after the well had run for approximately twenty minutes.

Trip blanks, field blanks, and field duplicates were prepared or collected in accordance with the SCDHEC UST QAPP, Revision 4.0. One trip blank was shipped with each cooler and analyzed for VOCs. One field blank was collected for each day of sampling and analyzed for VOCs and 1,2-Dibromoethane (EDB). One field duplicate was collected for each batch of twenty samples and analyzed for VOCs and EDB. An additional field blank and field duplicate were collected for the water supply well sample and analyzed for VOCs and EDB.

Samples were immediately packed in a cooler of ice and proper temperatures were maintained in accordance with the SCDHEC UST QAPP, Revision 4.0 and the site-specific Addendum. At the completion of the sampling event, the samples were submitted to a SCDHEC certified laboratory for analyses. The samples were analyzed for Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, Methyl tertiary butyl ether, 1,2-Dichloroethane, Oxygenates, Ethanol, and EDB. The water supply well sample, associated blank, and duplicate were analyzed per the drinking water methods. The analytical data indicated an estimated concentration of Toluene (0.26J ug/L) in the water supply well field blank. The potential contamination introduced during sample collection, storage, or transport does not appear to have had an impact on the integrity of the samples as the sample, duplicate, and trip blank are non-detect for Toluene.

Field conditions were documented throughout the sampling event. All field measurement equipment was properly cleaned and decontaminated before use, between each well, and prior to site departure in accordance with "Appendix



H: Standard Field Cleaning Procedures” of the SCDHEC UST QAPP, Revision 4.0. By-products were initially stored onsite in 55-gallon drums. The water generated was transported to US Water Recovery for disposal and the disposal manifest is provided in Appendix G. The field measurement equipment was properly calibrated prior to the sampling event and verified after four (4) hours of use and at the completion of the event. The calibration and verification data for the sampling event are provided in Appendix B.

Depth to groundwater measurements were taken with reference to the top of well casing (TOC) and converted to elevations by subtracting the depth to groundwater measurements from the TOC elevations. Potentiometric data are provided in Section I as Table 2 and on the Groundwater Sampling Logs provided in Appendix B. The groundwater measurements collected during the sampling event for the no-purge wells are provided as follows:

<b>SECTION E -1</b> <b>GROUNDWATER MEASUREMENTS (NO PURGE SAMPLING)</b> <b>MARUTI KUNDAL (FORMER WINDSOR MART)</b> <b>CHERAW, SOUTH CAROLINA</b> <b>SCDHEC UST PERMIT #02314</b>						
Well	Date	pH	Specific Conductance	Water Temperature	Turbidity	Dissolved Oxygen
Units	--	su	mS/cm	°C	NTU	mg/L
02314-MW1	4/18/2023	4.85	0.187	23.6	4.7	7.25
02314-MW2R	4/18/2023	4.44	0.078	24.9	0.0	7.60
02314-MW3	4/18/2023	4.47	0.037	20.0	18.5	5.78
02314-MW4	4/18/2023	4.09	0.119	22.5	0.0	4.33
02314-MW5	4/17/2023	4.47	0.119	21.8	0.0	8.85
02314-MW6	4/17/2023	3.93	0.046	21.4	0.0	8.91
02314-MW7	4/18/2023	4.76	0.244	25.4	0.0	7.26
02314-MW8	4/18/2023	4.34	0.095	23.5	19.5	8.23
02314-MW9	4/17/2023	3.48	0.089	22.1	0.0	5.79
02314-MW10	4/17/2023	3.59	0.085	22.4	0.0	5.89
02314-MW11	4/17/2023	3.93	0.083	22.2	0.0	8.20
02314-MW12	4/18/2023	4.22	0.077	19.8	23.0	9.21
02314-MW13	4/18/2023	3.84	0.066	24.1	0.0	5.79
02314-MW14	4/18/2023	3.89	0.052	23.8	0.0	7.59
02314-MW15	4/18/2023	4.08	0.055	25.7	0.0	7.45
02314-MW16	4/17/2023	3.59	0.107	22.9	0.0	10.70
02314-MW17	4/17/2023	4.31	0.079	23.1	0.8	8.61
02314-MW18	4/17/2023	4.42	0.063	22.7	4.8	8.09
02314-MW19	4/18/2023	4.31	0.269	22.4	0.0	7.91
02314-MW20	4/18/2023	4.01	0.120	24.4	103	4.42
02314-MW21	4/17/2023	4.08	0.079	21.8	0.0	9.03

02314-MW22	4/17/2023	3.74	0.079	21.9	0.0	8.74
02314-MW23	4/18/2023	4.64	0.100	23.0	0.0	7.80
02314-MW24	4/18/2023	4.95	0.104	24.8	162	7.55
02314-MW25	4/18/2023	3.79	0.093	21.4	1.3	7.47
02314-MW26	4/17/2023	3.62	0.051	21.9	431	9.16
02314-MW27	4/18/2023	3.53	0.031	22.7	289	8.05
02314-MW28	4/17/2023	4.32	0.059	21.7	235	8.84
02314-MW29	4/17/2023	3.61	0.084	21.8	4.1	8.95
02314-MW30	4/18/2023	4.09	0.081	20.8	36.4	9.31
02314-RW1	4/18/2023	4.38	0.083	25.3	0.0	6.30
02314-RW2	4/18/2023	5.01	0.186	25.2	0.0	7.32
02314-RW3	4/18/2023	4.49	0.038	19.5	6.4	6.32
02314-RW4	4/18/2023	3.41	0.142	22.8	0.0	8.51
02314-RW5	4/18/2023	4.03	0.120	25.7	0.0	5.42

**NOTES/KEY:**

su = standard unit

mS/cm = milliSiemens per centimeter

NTU = nephelometric turbidity units

mg/L = milligrams per liter

## 2. Purging Methodology

Per SCDHEC request, all wells were purged prior to sampling. Purging was conducted from the least contaminated wells to the most contaminated wells based on the previous sampling data. Prior to purging, new plastic sheeting was placed on the ground surface around the well to prevent contamination of pumps, hoses, meters, etc. When utilized, the purge pump was lowered approximately 3-5 feet into the standing water column and adjusted only if the pumping rate exceeded the recovery rate as drawdown occurred. For monitoring wells with smaller casing volumes, a new disposable bailer was utilized for purging. When utilized, bailers with new colorless nylon rope were slowly lowered into the top of the water column, allowed to fill, and slowly removed to minimize turbidity and disturbance of the VOCs. In accordance with the SCDHEC UST QAPP, Revision 4.0, an adequate purge was achieved when pH, specific conductance, and temperature of the groundwater stabilized, and turbidity either stabilized or was below 10 nephelometric turbidity units (NTUs). The purge water generated was initially stored onsite in 55-gallon drums. The water generated was transported to US Water Recovery for disposal and the disposal manifest is provided in Appendix G.

If a well was pumped or purged dry, even with reduced purge rates, the well was considered adequately purged per the SCDHEC UST QAPP, Revision 4.0. The sample was collected immediately following sufficient recovery to fill all sampling containers. The groundwater measurements collected during the sampling event for the purged wells are provided as follows:

SECTION E -2					
GROUNDWATER MEASUREMENTS (PURGE SAMPLING)					
MARUTI KUNDAL (FORMER WINDSOR MART)					
CHERAW, SOUTH CAROLINA					
SCDHEC UST PERMIT #02314					
<b>02314-DW1</b>	<b>4/17/2023</b>				
Volume (gal)	Initial	5.5	6.5	6.75/Dry/Sample	
Time (military)	1625	1635	1638	1649	
pH (su)	5.38	5.42	5.81	5.88	
Spec Conductivity (mS/cm)	0.124	0.125	0.138	0.140	
Water Temperature (°C)	22.5	22.3	22.3	22.0	
Turbidity (NTU)	114	85.4	85.2	99.3	
Dissolved Oxygen (mg/L)	8.38	8.80	8.50	6.33	
<b>02314-DW2</b>	<b>4/17/2023</b>				
Volume (gal)	Initial	5.5	6.5	6.75/Dry/Sample	
Time (military)	1400	1409	1413	1425	
pH (su)	5.12	4.93	4.81	4.51	
Spec Conductivity (mS/cm)	0.045	0.044	0.046	0.034	
Water Temperature (°C)	22.2	22.1	22.1	22.0	
Turbidity (NTU)	0.0	44.0	32.4	366	
Dissolved Oxygen (mg/L)	8.73	5.91	6.88	7.18	
<b>02314-DW3</b>	<b>4/17/2023</b>				
Volume (gal)	Initial	5.25	6	6.25/Dry/Sample	
Time (military)	1317	1325	1328	1340	
pH (su)	5.13	5.16	5.27	5.32	
Spec Conductivity (mS/cm)	0.083	0.086	0.088	0.111	
Water Temperature (°C)	22.1	22.0	22.0	22.3	
Turbidity (NTU)	0.0	0.0	0.0	389	
Dissolved Oxygen (mg/L)	8.91	10.41	6.04	7.53	

**NOTES/KEY:**

gal = gallons

su = standard unit

mS/cm = milliSiemens per centimeter

NTU = nephelometric turbidity units

mg/L = milligrams per liter

**3. Free Product Measurements**

No free-phase petroleum was measured during the sampling event.

**F. AFVR INFORMATION**

Not Applicable. No Aggressive Fluid Vapor Recovery (AFVR) Events were performed during this scope of work.

**G. GRANULATED ACTIVATED CARBON INSTALLATION**

Not Applicable. No granulated activated carbon units were installed during this scope of work.



## **H. RESULTS & DISCUSSION**

### **1. Assessment Results**

During this scope of work, TERRY conducted a comprehensive groundwater sampling event April 17 through April 19, 2023, in accordance with the SCDHEC UST QAPP, Revision 4.0 and the associated site-specific work plan submitted in December 2022.

The groundwater analytical data are summarized in Section I as Table 3, and are included in Appendix B. The analytical data were used to generate contaminant concentration maps for CoC's detected by the laboratory and are provided in Section J as Figures 4A and 4B. Based on the analytical data, groundwater contamination is present near the dispenser islands (MW-1, MW-2R, MW-3, MW-4, MW-7, MW-8, MW-14, MW-15, RW-1, RW-2, and RW-3), the UST basin (MW-13, MW-19, MW-20, RW-4, and RW-5), and migrating in the direction of groundwater flow to the north (MW-23, MW-24, MW-25, and MW-30). The plume remains horizontally undefined down gradient to the north of MW-30. The plume is vertically defined. The samples collected from the surface water location (SW-1) and the water supply well (WSW-1) did not show evidence of petroleum contamination.

The AFVR events conducted in January-February 2023 were successful at recovering contaminant mass and reducing free-phase product thicknesses in the monitoring/recovery wells. TERRY recommends that site specific target levels be established and the release be considered for active correction action.

### **2. Aquifer Evaluation Results**

Not Applicable

### **3. Fate & Transport Results**

Not Applicable

### **4. Tier 1 Risk Evaluation**

Not Applicable

### **5. Tier 2 Risk Evaluation**

Not Applicable

**I. TABLES**

**1. Soil Analytical Data**

Table 1 Soil Analytical Data - Not Applicable

**2. Potentiometric Data**

Table 2 Groundwater Potentiometric Data - Attached

**3. Laboratory Data**

Table 3 Groundwater Laboratory Data - Attached

**4. Aquifer Characteristics**

Table 4 Aquifer Characteristics - Not Applicable

**5. Site Conceptual Model**

Table 5 Site Conceptual Model - Not Applicable

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.90**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation	
		ft	ft	ft	ft	ft	ft	
02314-MW1	3/19/1997	173.28	10 to 20	13.70	n/a	n/a	159.58	
	6/17/1997			16.07	n/a	n/a	157.21	
	12/9/2013			20.65	17.31	3.34	152.63	
	9/26/2014			19.60	16.82	2.78	153.68	
	2/2/2015			Free Product (1.20 ft)				
	1/3/2017			15.96	n/a	n/a	157.32	
	3/6/2018			20.53	19.08	1.45	152.75	
	12/27/2018			13.92	11.82	2.10	159.36	
	7/1/2020			16.05	13.83	2.22	157.23	
	10/13/2022			19.03	18.49	0.54	154.25	
4/18/2023	15.44	n/a	n/a	157.84				
02314-MW2	6/17/1997	100.06	10 to 20	16.04	n/a	n/a	84.02	
	12/9/2013			Could Not Find				
	9/29/2014			Could Not Find				
02314-MW2R	9/29/2014	173.92	10.3-20.3	17.60	n/a	n/a	156.32	
	2/2/2015			15.72	n/a	n/a	158.20	
	1/3/2017			15.96	n/a	n/a	157.96	
	3/6/2018			Dry				
	12/28/2018			12.18	n/a	n/a	161.74	
	7/1/2020			14.40	n/a	n/a	159.52	
	10/13/2022			18.60	n/a	n/a	155.32	
	4/18/2023			15.52	n/a	n/a	158.40	
02314-MW3	6/17/1997	171.43	10 to 20	13.64	n/a	n/a	157.79	
	12/9/2013			15.86	n/a	n/a	155.57	
	9/26/2014			15.65	14.70	0.95	155.78	
	2/2/2015			Free Product (1.0 ft)				
	1/3/2017			13.45	n/a	n/a	157.98	
	3/6/2018			17.07	n/a	n/a	154.36	
	12/27/2018			10.19	n/a	n/a	161.24	
	6/30/2020			11.58	n/a	n/a	159.85	
	10/12/2022			16.15	n/a	n/a	155.28	
	4/18/2023			13.41	n/a	n/a	158.02	
02314-MW4	6/17/1997	173.39	10 to 20	15.75	n/a	n/a	157.64	
	12/9/2013			18.80	16.91	1.89	154.59	
	9/26/2014			19.43	16.32	3.11	153.96	
	2/2/2015			Free Product (0.80 ft)				
	1/3/2017			15.69	n/a	n/a	157.70	
	3/6/2018			19.95	18.82	1.13	153.44	
	12/27/2018			13.04	13.44	0.40	160.35	
	7/1/2020			14.18	13.75	0.43	159.21	
	10/13/2022			18.65	18.10	0.55	154.74	
	4/18/2023			14.96	n/a	n/a	158.43	
02314-MW5	9/29/2014	174.97	9.9 to 19.9	18.51	n/a	n/a	156.46	
	2/2/2015			17.10	n/a	n/a	157.87	
	1/3/2017			Not Gauged				
	3/5/2018			Dry				
	12/28/2018			14.30	n/a	n/a	160.67	
	6/30/2020			16.38	n/a	n/a	158.59	
	10/12/2022			Dry				
	4/17/2023			16.79	n/a	n/a	158.18	
02314-MW6	9/29/2014	174.57	10.1 to 20.1	18.17	n/a	n/a	156.40	
	2/2/2015			16.55	n/a	n/a	158.02	
	1/3/2017			Not Gauged				
	3/6/2018			Dry				
	12/27/2018			12.94	n/a	n/a	161.63	
	6/30/2020			14.85	n/a	n/a	159.72	
	10/12/2022			19.23	n/a	n/a	155.34	
4/17/2023	15.84	n/a	n/a	158.73				



**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.90**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW7	9/29/2014	174.20	10.3 to 20.3	18.09	17.86	0.23	156.11
	2/2/2015			Free Product (0.27 ft)			
	1/3/2017			16.37	n/a	n/a	157.83
	3/6/2018			19.86	19.83	0.03	154.34
	12/27/2018			12.55	n/a	n/a	161.65
	7/1/2020			14.72	n/a	n/a	159.48
	10/13/2022			18.96	n/a	n/a	155.24
	4/18/2023			16.09	n/a	n/a	158.11
02314-MW8	9/29/2014	173.79	10.3 to 20.3	17.55	n/a	n/a	156.24
	2/2/2015			16.11	n/a	n/a	157.68
	1/3/2017			15.93	n/a	n/a	157.86
	3/6/2018			19.45	n/a	n/a	154.34
	12/27/2018			12.25	n/a	n/a	161.54
	7/1/2020			14.33	n/a	n/a	159.46
	10/13/2022			18.58	n/a	n/a	155.21
	4/18/2023			15.49	n/a	n/a	158.30
02314-MW9	9/29/2014	172.72	9.9 to 19.9	16.84	n/a	n/a	155.88
	2/2/2015			14.73	n/a	n/a	157.99
	1/3/2017			Not Gauged			
	3/5/2018			18.30	n/a	n/a	154.42
	12/26/2018			11.20	n/a	n/a	161.52
	6/30/2020			13.04	n/a	n/a	159.68
	10/12/2022			17.43	n/a	n/a	155.29
	4/17/2023			14.00	n/a	n/a	158.72
02314-MW10	9/29/2014	172.09	10.3 to 20.3	15.85	n/a	n/a	156.24
	2/2/2015			14.19	n/a	n/a	157.90
	1/3/2017			Not Gauged			
	3/5/2018			17.79	n/a	n/a	154.30
	12/26/2018			11.61	n/a	n/a	160.48
	6/30/2020			12.83	n/a	n/a	159.26
	10/12/2022			16.93	n/a	n/a	155.16
	4/17/2023			13.60	n/a	n/a	158.49
02314-MW11	9/29/2014	172.07	10.1 to 20.1	15.95	n/a	n/a	156.12
	2/2/2015			14.30	n/a	n/a	157.77
	1/3/2017			Not Gauged			
	3/5/2018			17.83	n/a	n/a	154.24
	12/26/2018			10.68	n/a	n/a	161.39
	6/30/2020			12.65	n/a	n/a	159.42
	10/12/2022			17.43	n/a	n/a	154.64
	4/17/2023			13.58	n/a	n/a	158.49
02314-MW12	9/29/2014	172.54	10.3 to 20.3	16.40	n/a	n/a	156.14
	2/2/2015			14.76	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			18.31	n/a	n/a	154.23
	12/27/2018			11.09	n/a	n/a	161.45
	7/1/2020			13.19	n/a	n/a	159.35
	10/12/2022			17.41	n/a	n/a	155.13
	4/18/2023			14.34	n/a	n/a	158.20
02314-MW13	9/29/2014	172.64	10.3 to 20.3	17.20	n/a	n/a	155.44
	2/2/2015			15.55	n/a	n/a	157.09
	1/3/2017			14.95	n/a	n/a	157.69
	3/6/2018			18.48	n/a	n/a	154.16
	12/27/2018			11.13	n/a	n/a	161.51
	7/1/2020			13.28	n/a	n/a	159.36
	10/13/2022			17.58	n/a	n/a	155.06
	4/18/2023			14.44	n/a	n/a	158.20

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.90**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation	
		ft	ft	ft	ft	ft	ft	
02314-MW14	9/29/2014	172.88	10.3 to 20.3	16.75	n/a	n/a	156.13	
	2/2/2015			15.15	n/a	n/a	157.73	
	1/3/2017			Not Gauged				
	3/5/2018			20.39	19.41	0.98	152.49	
	12/27/2018			13.40	13.90	0.50	159.48	
	7/1/2020			13.70	13.52	0.18	159.18	
	10/13/2022			18.10	17.67	0.43	154.78	
	4/18/2023			14.64	n/a	n/a	158.24	
02314-MW15	9/29/2014	173.85	10.3 to 20.3	17.90	n/a	n/a	155.95	
	2/2/2015			15.85	n/a	n/a	158.00	
	1/3/2017			15.88	n/a	n/a	157.97	
	3/6/2018			19.43	n/a	n/a	154.42	
	12/27/2018			12.20	n/a	n/a	161.65	
	7/1/2020			14.30	n/a	n/a	159.55	
	10/13/2022			18.51	n/a	n/a	155.34	
	4/18/2023			15.43	n/a	n/a	158.42	
02314-MW16	11/19/2014	176.97	16.0 to 26.0	21.50	n/a	n/a	155.47	
	2/2/2015			18.69	n/a	n/a	158.28	
	1/3/2017			Not Gauged				
	3/5/2018			22.29	n/a	n/a	154.68	
	12/26/2018			15.24	n/a	n/a	161.73	
	6/30/2020			17.03	n/a	n/a	159.94	
	10/12/2022			21.38	n/a	n/a	155.59	
	4/17/2023			18.13	n/a	n/a	158.84	
02314-MW17	11/6/2014	176.13	10.4 to 20.4	20.10	n/a	n/a	156.03	
	2/2/2015			17.79	n/a	n/a	158.34	
	1/3/2017			Not Gauged				
	3/5/2018			Dry				
	12/26/2018			14.24	n/a	n/a	161.89	
	6/30/2020			16.15	n/a	n/a	159.98	
	10/12/2022			20.16	n/a	n/a	155.97	
	4/17/2023			17.29	n/a	n/a	158.84	
02314-MW18	11/6/2014	175.59	14.6 to 24.6	19.74	n/a	n/a	155.85	
	2/2/2015			17.40	n/a	n/a	158.19	
	1/3/2017			Not Gauged				
	3/5/2018			20.97	n/a	n/a	154.62	
	12/26/2018			13.91	n/a	n/a	161.68	
	6/30/2020			15.80	n/a	n/a	159.79	
	10/12/2022			20.06	n/a	n/a	155.53	
	4/17/2023			17.10	n/a	n/a	158.49	
02314-MW19	11/6/2014	171.50	12.3 to 22.3	16.32	n/a	n/a	155.18	
	2/2/2015			14.15	n/a	n/a	157.35	
	1/3/2017			13.95	n/a	n/a	157.55	
	3/6/2018			17.22	17.02	0.20	154.28	
	12/26/2018			--	9.28	>3.0	--	
	7/1/2020			13.42	11.90	1.52	158.08	
	10/13/2022			17.37	16.42	0.95	154.13	
	4/18/2023			13.55	n/a	n/a	157.95	
02314-MW20	11/6/2014	171.82	12.2 to 22.2	16.63	n/a	n/a	155.19	
	2/2/2015			14.35	n/a	n/a	157.47	
	1/3/2017			14.30	n/a	n/a	157.52	
	3/6/2018			17.74	n/a	n/a	154.08	
	12/27/2018			10.52	n/a	n/a	161.30	
	7/1/2020			12.75	n/a	n/a	159.07	
	10/13/2022			16.82	n/a	n/a	155.00	
	4/18/2023			13.75	n/a	n/a	158.07	

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.90**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-MW21	2/2/2015	173.97	13.7 to 23.7	16.55	n/a	n/a	157.42
	1/3/2017			Not Gauged			
	3/5/2018			19.88	n/a	n/a	154.09
	12/26/2018			12.59	n/a	n/a	161.38
	6/30/2020			14.80	n/a	n/a	159.17
	10/12/2022			18.95	n/a	n/a	155.02
02314-MW22	4/17/2023			15.61	n/a	n/a	158.36
02314-MW22	2/2/2015	171.95	12 to 22	14.65	n/a	n/a	157.30
	1/3/2017			Not Gauged			
	3/5/2018			17.98	n/a	n/a	153.97
	12/26/2018			10.68	n/a	n/a	161.27
	6/30/2020			12.81	n/a	n/a	159.14
	10/12/2022			17.10	n/a	n/a	154.85
02314-MW23	4/17/2023			13.74	n/a	n/a	158.21
02314-MW23	2/2/2015	171.03	11.2 to 21.2	13.72	n/a	n/a	157.31
	1/3/2017			13.65	n/a	n/a	157.38
	3/6/2018			17.04	n/a	n/a	153.99
	12/27/2018			10.45	n/a	n/a	160.58
	7/1/2020			12.07	n/a	n/a	158.96
	10/13/2022			16.19	n/a	n/a	154.84
02314-MW24	4/18/2023			13.08	n/a	n/a	157.95
02314-MW24	2/2/2015	169.78	11 to 21	12.54	n/a	n/a	157.24
	1/3/2017			Not Gauged			
	3/5/2018			15.90	n/a	n/a	153.88
	12/26/2018			8.70	n/a	n/a	161.08
	7/1/2020			10.94	n/a	n/a	158.84
	10/13/2022			15.08	n/a	n/a	154.70
02314-MW25	4/18/2023			12.22	n/a	n/a	157.56
02314-MW25	2/2/2015	170.08	11 to 21	13.00	n/a	n/a	157.08
	1/3/2017			Not Gauged			
	3/5/2018			16.26	n/a	n/a	153.82
	12/27/2018			9.75	n/a	n/a	160.33
	7/1/2020			11.40	n/a	n/a	158.68
	10/13/2022			15.44	n/a	n/a	154.64
02314-MW26	4/18/2023			12.40	n/a	n/a	157.68
02314-MW26	2/2/2015	169.21	10.4 to 20.4	12.24	n/a	n/a	156.97
	1/3/2017			Not Gauged			
	3/5/2018			15.42	n/a	n/a	153.79
	12/26/2018			8.18	n/a	n/a	161.03
	6/30/2020			10.38	n/a	n/a	158.83
	10/12/2022			14.59	n/a	n/a	154.62
02314-MW27	4/17/2023			11.48	n/a	n/a	157.73
02314-MW27	2/2/2015	168.95	10 to 20	11.81	n/a	n/a	157.14
	1/3/2017			Not Gauged			
	3/5/2018			14.97	n/a	n/a	153.98
	12/27/2018			7.80	n/a	n/a	161.15
	7/1/2020			9.98	n/a	n/a	158.97
	10/12/2022			14.14	n/a	n/a	154.81
02314-MW28	4/18/2023			11.05	n/a	n/a	157.90
02314-MW28	11/5/2020 <sup>(2)</sup>	167.68	7.5 to 22.5	11.00	n/a	n/a	156.68
	10/12/2022			12.91	n/a	n/a	154.77
	4/17/2023			9.70	n/a	n/a	157.98
02314-MW29	11/5/2020 <sup>(2)</sup>	171.58	7.5 to 22.5	15.00	n/a	n/a	156.58
	10/12/2022			16.93	n/a	n/a	154.65
	4/17/2023			13.59	n/a	n/a	157.99
02314-MW30	11/5/2020 <sup>(2)</sup>	169.78	7 to 22	13.00	n/a	n/a	156.78
	10/12/2022			15.21	n/a	n/a	154.57
	4/18/2023			12.18	n/a	n/a	157.60

**TABLE 2**  
**GROUNDWATER POTENTIOMETRIC DATA**  
**MARUTI KUNDAL (FORMER WINDSOR MART)**  
**CHERAW, SOUTH CAROLINA**  
**SCDHEC UST PERMIT #02314**  
**TERRY PROJECT #2171.90**

Well #	Sample Date	TOC Elevation <sup>(1)</sup>	Screened Interval	Depth to Water*	Depth to Product*	Product Thickness	Water Table Elevation
		ft	ft	ft	ft	ft	ft
02314-DW1	9/29/2014	173.59	49.6 to 54.6	16.97	n/a	n/a	156.62
	2/2/2015			15.37	n/a	n/a	158.22
	1/3/2017			Not Gauged			
	3/5/2018			17.33	n/a	n/a	156.26
	12/26/2018			15.79	n/a	n/a	157.80
	6/30/2020			13.73	n/a	n/a	159.86
	10/12/2022			18.14	n/a	n/a	155.45
	4/17/2023			21.48	n/a	n/a	152.11
02314-DW2	2/2/2015	174.37	44.6 to 49.6	16.59	n/a	n/a	157.78
	1/3/2017			Not Gauged			
	3/5/2018			19.82	n/a	n/a	154.55
	12/26/2018			13.06	n/a	n/a	161.31
	6/30/2020			14.61	n/a	n/a	159.76
	10/12/2022			18.78	n/a	n/a	155.59
	4/17/2023			16.20	n/a	n/a	158.17
02314-DW3	2/2/2015	169.93	44.6 to 49.6	13.72	n/a	n/a	156.21
	1/3/2017			Not Gauged			
	3/5/2018			16.50	n/a	n/a	153.43
	12/26/2018			11.02	n/a	n/a	158.91
	7/1/2020			11.71	n/a	n/a	158.22
	10/12/2022			15.79	n/a	n/a	154.14
	4/17/2023			17.51	n/a	n/a	152.42
02314-RW1	1/3/2017	Unknown	10 to 30	16.11	n/a	n/a	n/a
	3/6/2018	174.15		19.80	19.51	0.29	n/a
	12/28/2018			12.24	n/a	n/a	161.91
	7/1/2020			14.48	n/a	n/a	159.67
	10/13/2022			18.69	n/a	n/a	155.46
	4/18/2023			15.62	n/a	n/a	158.53
02314-RW2	1/3/2017	Unknown	10 to 30	15.47	n/a	n/a	n/a
	3/6/2018	173.28		19.93	18.63	1.30	n/a
	12/28/2018			11.75	n/a	n/a	161.53
	7/1/2020			13.86	n/a	n/a	159.42
	10/13/2022			18.01	n/a	n/a	155.27
	4/18/2023			14.94	n/a	n/a	158.34
02314-RW3	1/3/2017	Unknown	10 to 30	Not Gauged			
	3/6/2018	173.17		18.94	n/a	n/a	n/a
	12/27/2018			11.78	n/a	n/a	161.39
	7/1/2020			13.77	n/a	n/a	159.40
	10/12/2022			18.08	n/a	n/a	155.09
	4/18/2023			14.98	n/a	n/a	158.19
02314-RW4	12/27/2018	172.02	10 to 30	10.50	n/a	n/a	161.52
	7/1/2020			12.59	n/a	n/a	159.43
	10/13/2022			17.27	16.67	0.60	154.75
	4/18/2023			13.70	n/a	n/a	158.32
02314-RW5	12/27/2018	172.04	10 to 30	10.70	n/a	n/a	161.34
	7/1/2020			12.82	n/a	n/a	159.22
	10/13/2022			17.03	n/a	n/a	155.01
	4/18/2023			13.95	n/a	n/a	158.09

Notes:

All Data Prior to December 2013 collected by others

<sup>(1)</sup> TOC = Top of casing relative to an assumed data

<sup>(2)</sup> Wells installed in November 2020 but not sampled.

\* = Measured relative to TOC

\*\*Corrected Elevation calculated using following equation:

$$\text{Corrected elevation} = \text{Water table elevation} + [(0.77)(\text{free product thickness})]$$

**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
TERRY PROJECT #2171.90  
SCDHEC UST PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBS1	--	5	1,600	700	10,000	25	40	5	0.65	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-MW1	3/19/1997	1,530	8,650	1,350	12,730	<100	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1997	1,270	6,510	515	6,470	367	<1,000	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	Free Product (3.34 fl.)																	
	9/26/2014	Free Product (2.78 fl.)																	
	1/3/2017	15,000	46,000	2,800	17,000	440J	<500	<500	--	--	--	<5,000	<10,000	280J	<500	<10,000	480,000	28,000	<2,500
	3/6/2018	Free Product (1.45 fl.)																	
	12/27/2018	Free Product (2.10 fl.)																	
	7/1/2020	Free Product (2.22 fl.)																	
	10/13/2022	Free Product (0.54 fl.)																	
	4/18/2023	7,200	28,300	2,770	15,500	701	<200	<200	<0.020	--	--	<2,000	<20,000	85.9J	<2,000	<20,000	<40,000	23,900	<10,000
02314-MW2	6/17/1997	29	1.25	1.13	136.1	5.5	13.7	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	Could Not Find																	
	9/29/2014	Could Not Find																	
	9/29/2014	6,400	18,000	1,600	8,800	330	<200	<200	--	--	--	<2,000	<4,000	87J	<200	<4,000	<20,000	6,900	<1,000
02314-MW2R	1/3/2017	11,000	40,000	2,600	15,000	380	<200	<200	--	--	--	<2,000	<4,000	130J	<200	<4,000	<20,000	36,000	<1,000
	3/6/2018	Dry																	
	12/28/2018	2,600	15,000	2,500	13,000	670	<100	<100	<0.019	--	--	<1,000	<2,000	<100	<100	<2,000	<10,000	8,100	<500
	7/1/2020	2,700	15,000	2,700	14,000	610	<100	<100	<0.019	--	--	<1,000	93J	<100	<100	<2,000	<10,000	11,000	<500
	10/13/2022	2,800	19,000	5,800	28,000	2,300	<2,000	<2,000	<0.020	--	--	<20,000	<40,000	<2,000	<2,000	<40,000	<200,000	<40,000	<10,000
	4/18/2023	1,240	7,220	1,910	9,960	745	<50	<50	<0.020	--	--	<500	<5,000	<50	<500	<5,000	<10,000	<5,000	<2,500
	6/17/1997	<1.0	<1.0	<1.0	<3.0	<1.0	<5.0	--	--	--	--	--	--	--	--	--	--	--	
	12/9/2013	18.5	102	27.6	374	13.4	<1.00	<1.00	<0.010	<15.0	<5.00	<10.0	<5.00	<5.00	<100	<1,000	20.4	<50.0	
	9/26/2014	Free Product (0.95 fl.)																	
	02314-MW3	1/3/2017	11	17	36	260	28	<5.0	<5.0	--	--	--	<50	<100	<5.0	<5.0	<100	<500	53J
3/6/2018		230	310	270	1,300	86	<5.0	5.6	<0.019	--	--	<50	<100	<5.0	<5.0	<100	<500	380	<25
12/27/2018		95	61	110	590	52	<5.0	<5.0	<0.020	--	--	<50	<100	<5.0	<5.0	<100	<500	870	<25
6/30/2020		38	55	34	110	28	<1.0	<1.0	<0.020	--	--	<10	9.8J	<1.0	<1.0	<20	<100	350	<5.0
10/12/2022		12	3.7	7.5	18	6.5	<1.0	<1.0	<0.020	--	--	<10	<20	<1.0	<1.0	<20	<100	100	<5.0
4/18/2023		63.2	172	20.3	301	10.6	<2.5	<2.5	<0.019	--	--	<25	<250	<2.5	<25	<250	<500	<250	<125
6/17/1997		5,430	14,300	1,960	19,360	1,090	<2,500	--	--	--	--	--	--	--	--	--	--	--	
12/9/2013		Free Product (1.89 fl.)																	
02314-MW4	9/26/2014	Free Product (3.11 fl.)																	
	1/3/2017	15,000	42,000	3,000	17,000	470J	380J	<500	--	--	--	<5,000	<10,000	660	<500	<10,000	2,500,000	61,000	<2,500
	3/6/2018	Free Product (1.13 fl.)																	
	12/27/2018	Free Product (0.40 fl.)																	
	7/1/2020	Free Product (0.43 fl.)																	
	10/13/2022	Free Product (0.55 fl.)																	
02314-MW5	4/18/2023	8,820	43,000	3,160	19,600	997	<250	<250	0.028	--	--	<2,500	<25,000	<250	<2,500	<25,000	<50,000	<25,000	<12,500
	9/29/2014	13	110	16	100	4.8	<1.0	<1.0	--	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	1/3/2017	Not Sampled																	
	3/6/2018	Dry																	
	12/28/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
02314-MW6	10/12/2022	Dry																	
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50
	9/29/2014	1.5	8.8	2.6	21	<1.0	<1.0	<1.0	--	--	--	<10	<20	<1.0	<1.0	<20	<100	60	<5.0
	1/3/2017	Not Sampled																	
	3/6/2018	Dry																	
	12/27/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	--	<10	1.6J	<1.0	<1.0	<20	<100	<20	<5.0	
10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	

**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
TERRY PROJECT #2171.90  
SCDHEC UST PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSI		5	1,600	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-MW7	9/29/2014	Free Product (0.25 B.)																	
	1/3/2017	6,100	35,000	3,200	20,000	700	<500	<500	--	--	<5,000	<10,000	300J	<500	<10,000	<50,000	32,000	<2,500	
	3/6/2018	Free Product (0.03 B.)																	
	12/27/2018	3,600	17,000	2,000	12,000	840	<100	<100	0.53	--	<1,000	<2,000	170	<100	<2,000	<10,000	17,000	<500	
	7/1/2020	2,600	12,000	1,600	8,500	350	<100	<100	0.33	--	<1,000	140J	92J	<100	<2,000	<10,000	12,000	<500	
02314-MW8	10/13/2022	5,200	15,000	1,500	7,800	460	<100	<100	0.66	--	<1,000	<2,000	180	<100	<2,000	<10,000	23,000	<500	
	4/18/2023	1,600	5,300	1,300	5,900	417	<50	<50	0.086	--	<500	<5,000	38.3J	<500	<5,000	<10,000	4,210J	<2,500	
	9/29/2014	3,700	12,000	1,300	7,200	180J	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	6,700	<1,000	
	1/3/2017	1,700	13,000	2,000	12,000	250	<100	<100	--	--	<1,000	<2,000	<100	<100	<2,000	<10,000	7,100	<500	
	3/6/2018	1,300	2,800	350	4,300	100	<20	<20	<0.020	--	<200	<400	18J	<20	<400	<2,000	11,000	<100	
02314-MW9	12/27/2018	900	1,900	390	5,000	42	<20	<20	<0.019	--	<200	<400	17J	<20	<400	<2,000	6,000	<100	
	7/1/2020	910	2,000	330	6,800	49J	<50	<50	0.0083P	--	<500	240J	<50	<50	<1,000	<5,000	11,000	<250	
	10/13/2022	580	140	180	2,400	278	<10	<10	<0.020	--	<100	140J	14	<10	<200	<1,000	5,700	<50	
	4/18/2023	116	40.3	46.8	498	7.0	0.48J	<1.0	<0.020	--	<10	104	<1.0	<10	<100	<200	1,240	<50	
	9/29/2014	0.51J	3.0	0.54J	3.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW10	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW11	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<10	<100	<200	<100	<50	
	9/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW12	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<10	<100	<200	<100	<50	
	9/29/2014	0.38J	<1.0	<1.0	5.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	51	<5.0	
	1/3/2017	Not Sampled																	
02314-MW13	3/5/2018	110	200	47	240	21	<1.0	<1.0	<0.019	--	<10	44	0.79J	<1.0	<20	<100	3,200	<5.0	
	12/27/2018	190	530	99	460	21	<5.0	<5.0	<0.020	--	<50	77J	<5.0	<5.0	<100	<500	2,400	<25	
	7/1/2020	130	250	74	350	20	<5.0	<5.0	<0.019	--	<50	44J	<5.0	<5.0	<100	<500	1,900	<25	
	10/12/2022	58	4.2	38	31	20	<1.0	<1.0	<0.020	--	<10	29	<1.0	<1.0	<20	<100	1,000	<5.0	
	4/18/2023	2.8	0.55J	1.7	1.1	0.69J	<1.0	<1.0	<0.020	--	<10	91.9J	<1.0	<10	<100	<200	169	<50	

TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERRY, SOUTH CAROLINA TERRY PROJECT #2171.90 SCDHEC UST PERMIT #02314																		
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
RBS1	9/29/2014	0.69J	5.9	0.99J	6.9	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	100	<5.0
02314-MW14	1/3/2017	Not Sampled																
	8/5/2018	Free Product (0.98 fl.)																
	12/27/2018	Free Product (0.50 fl.)																
	7/1/2020	Free Product (0.18 fl.)																
	10/13/2022	Free Product (0.41 fl.)																
02314-MW15	4/18/2023	<25	419	1,200	9,750	603	<25	<25	<0.020	--	<250	<2,500	<25	<250	<2,500	<5,000	<2,500	<1,250
	9/29/2014	2,800	12,000	750	5,900	1,200	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	5,100	<1,000
	1/3/2017	8,500	37,000	2,800	19,000	870	<200	<200	--	--	<2,000	<4,000	<200	<200	<4,000	<20,000	37,000	<1,000
	3/6/2018	5,300	17,000	2,000	8,600	340	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	10,000	<1,000
	12/27/2018	5,100	26,000	1,900	13,000	480	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	31,000	<1,000
	7/1/2020	4,500	28,000	2,100	16,000	490	<200	<200	<0.019	--	<2,000	1,600	<200	<200	<4,000	<20,000	24,000	<1,000
	10/13/2022	1,400	4,500	980	3,500	230	<50	<50	<0.021	--	<500	<1,000	<50	<50	<1,000	<5,000	3,600	<250
4/18/2023	2,290	20,200	2,010	11,800	485	<200	<200	<0.020	--	<2,000	<20,000	<200	<2,000	<20,000	<40,000	<20,000	<10,000	
02314-MW16	11/19/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	1/3/2017	Not Sampled																
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
02314-MW17	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50
	11/6/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	1/3/2017	Not Sampled																
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
02314-MW18	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50
	11/6/2014	4,100	15,000	1,500	8,300	320	<200	<200	--	--	<2,000	<4,000	<200	<200	4,000	78,000	<4,000	<1,000
	1/3/2017	5,800	19,000	1,600	8,900	230	<100	<100	--	--	<1,000	<2,000	190	<100	<2,000	1,500,000	5,400	<500
	3/6/2018	Free Product (0.20 fl.)																
	12/26/2018	Free Product (<3.0 fl.)																
02314-MW19	7/1/2020	Free Product (1.52 fl.)																
	10/13/2022	Free Product (0.95 fl.)																
	4/18/2023	10,300	42,100	3,020	17,100	630	<250	<250	<0.019	--	<2,500	<25,000	<250	<2,500	<25,000	165,000	<25,000	<12,500
	11/6/2014	1,300	3,300	320	2,000	76	41	<20	--	--	<200	<400	68	<20	<400	<2,000	1,500	<100
	1/3/2017	6,000	19,000	1,600	9,700	220	<100	<100	--	--	<1,000	<2,000	75J	<100	<2,000	<10,000	18,000	<500
	3/6/2018	2,300	3,600	350	4,200	180	<50	<50	<0.019	--	<500	<1,000	43J	<50	<1,000	<5,000	4,600	<250
	12/27/2018	3,300	6,600	840	4,300	220	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	9,900	<250
02314-MW20	7/1/2020	3,800	11,000	1,500	8,200	300	<100	<100	<0.020	--	<1,000	310J	69J	<100	<2,000	<10,000	12,000	<500
	10/13/2022	2,900	5,200	1,200	7,300	370	<50	<50	<0.020	--	<500	<1,000	48J	<50	<1,000	<5,000	7,600	<250
	4/18/2023	1,099	9,180	3,420	13,600	580	<50	<50	<0.020	--	<500	<5,000	<50	<500	<5,000	<10,000	<5,000	<2,500



TABLE 3 GROUNDWATER LABORATORY DATA MARUTI KUNDAL (FORMER WINDSOR MART) CHERAW, SOUTH CAROLINA TERRY PROJECT #2171.90 SCDHEC UST PERMIT #02314																			
Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL		5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A	
02314-MW21	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	6.7J	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	16J	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	40	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	4.9J	<1.0	<1.0	<20	<100	47	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW22	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<100	<1.0	<1.0	<20	<100	<20	<5.0	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	19	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW23	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<20	<100	<20	<5.0	
	2/2/2015	1,600	5,000	540	4,000	<100	<100	<0.019	16	<1,000	<2,000	<100	<100	<2,000	<10,000	3,700	<500		
	1/3/2017	900	2,300	300	2,300	62	<50	<50	--	<500	<1,000	<50	<50	<1,000	<5,000	2,300	<250		
	3/6/2018	1,800	5,500	520	3,200	110	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	6,800	<250	
	12/27/2018	1,800	5,900	660	3,900	120	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	6,700	<250	
02314-MW24	7/1/2020	2,000	8,200	750	4,300	130	<100	<100	<0.019	--	<1,000	96J	<100	<100	<2,000	<10,000	7,000	<500	
	10/13/2022	1,300	4,300	440	2,400	140	<50	<50	<0.019	--	<500	<1,000	<50	<50	<1,000	<5,000	4,500	<250	
	4/18/2023	266	678	99.5	409	28.4	<5.0	<5.0	<0.020	--	<50	<500	<5.0	<50	<500	<1,000	1,060	<250	
	2/2/2015	2.1	<1.0	<1.0	0.81J	<1.0	<1.0	<1.0	<0.019	4.2J	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	4,000	11,000	740	4,000	91J	<100	<100	<0.019	--	<1,000	<2,000	48J	<100	<2,000	<10,000	3,400	<500	
02314-MW24 (DUP)	12/26/2018	2,200	9,400	780	3,900	87J	<100	<100	<0.020	--	<1,000	<2,000	<100	<100	<2,000	<10,000	3,700	<500	
	7/1/2020	3,900	18,000	1,400	7,600	200	<200	<200	<0.020	--	<2,000	<4,000	<200	<200	<4,000	<20,000	5,600	<1,000	
	10/13/2022	3,700	12,000	1,300	6,600	230	<100	<100	<0.020	--	<1,000	<2,000	<100	<100	<2,000	<10,000	3,300	<500	
	4/18/2023	1,520	8,380	815	3,810	166	<50	<50	<0.020	--	<500	<5,000	<50	<500	<5,000	<10,000	<5,000	<2,500	
	2/2/2015	1,870	6,340	814	4,120	115	<50	<50	<0.020	--	<500	<5,000	<50	<500	<5,000	<10,000	<5,000	<2,500	
	1/3/2017	0.34J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	34	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW25	1/3/2017	Not Sampled																	
	8/5/2018	220	<5.0	<5.0	90	9.1	<5.0	<5.0	<0.019	--	<50	<100	3.2J	<5.0	<100	<500	420	<25	
	12/27/2018	1,200	41	36	600	52	<10	<10	<0.020	--	<100	110J	16	<10	<200	<1,000	4,500	<50	
	7/1/2020	290	2.5J	<5.0	220	14	<5.0	8.5	<0.019	--	<50	30J	2.9J	<5.0	<100	<500	2,000	<25	
	10/13/2022	210	<20	<1.0	92	8.3	<1.0	<1.0	<0.021	--	<10	18J	2.6	<1.0	<20	<100	1,200	<50	
	4/18/2023	42.8	<1.0	<1.0	4.9	0.68J	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	26J	<50	
02314-MW26	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<10	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-MW27	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
	2/2/2015	3.1	<1.0	<1.0	3.4	<1.0	<1.0	<1.0	<0.019	9.8J	<10	<20	<1.0	<1.0	<20	<100	24	<5.0	
	1/3/2017	Not Sampled																	
	8/5/2018	240	6.4	4.4J	33	4.8J	<5.0	<5.0	<0.019	--	<50	52J	4.8J	<5.0	<100	<500	1,200	<25	
	12/27/2018	380	7.5	2.2J	28	8.5	<5.0	<5.0	<0.020	--	<50	55J	<5.0	<5.0	<100	<500	1,700	<25	
	7/1/2020	380	<5.0	10	2.2J	2.7J	3.1J	<5.0	<0.020	--	<50	71J	11	<5.0	<100	<500	2,100	<25	
02314-MW28	10/12/2022	340	2.8J	31	12	6.6	<5.0	<5.0	<0.020	--	<50	50J	8.9	<5.0	<100	<500	2,100	<25	
	4/18/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	

**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
TERRY PROJECT #2171.90  
SCDHEC USE PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	5	1,000	700	10,000	25	40	5	0.05	15	128	1,400	150	47	N/A	10,000	240	N/A		
02314-MW29	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<100	<1.0	<1.0	<100	<200	<100	<5.0	
	10/12/2022	590	20	37	18	12	<10	<10	<0.021	--	<100	<200	5.4J	<10	<200	<1,000	1,900	<5.0	
02314-RW30	4/18/2023	287	50.9	22.6	53.5	10.5	<2.5	<2.5	<0.020	--	<25	<250	<2.5	<25	<250	<500	715	<125	
	9/29/2014	0.20J	0.85J	<1.0	0.38J	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-DW1	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	0.42J	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	0.56J	<1.0	1.1	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-DW2	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<5.0	
	2/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	13	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	1.7	1.5	<1.0	0.53J	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	<1.0	1.6	<1.0	2.2	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-DW3	6/30/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<5.0	
	2/2/2015	46	7.8	0.61J	24	1.3	<1.0	<1.0	<0.019	<10	<10	<20	<1.0	<1.0	<20	<100	24	<5.0	
	1/3/2017	Not Sampled																	
02314-RW1	3/5/2018	0.79J	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/26/2018	2.1	3.1	0.96J	7.1	1.4	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	10/12/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<5.0	
02314-RW2	1/3/2017	13,000	43,000	3,800	19,000	550	310J	<500	--	--	280J	<10,000	1,400	<500	<10,000	<50,000	49,000	<2.500	
	3/6/2018	Free Product (0.29 B.L.)																	
	12/28/2018	11,000	32,000	1,800	16,000	810	160J	<200	2.8	--	190J	<4,000	1,000	<200	<4,000	770,000	48,000	<1,000	
	7/1/2020	11,000	32,000	1,500	18,000	660	<500	<500	3.3	--	<5,000	630J	710	<500	<10,000	500,000	44,000	<2,500	
	10/12/2022	1,700	8,000	550	4,400	130	45J	<10	0.19	--	<100	<200	39	<10	<200	1,700	4,300	<50	
02314-RW2 (DUP)	4/18/2023	5,110	24,600	1,760	18,800	915	<200	<200	0.76	--	<2,000	<20,000	<200	<2,000	<20,000	<40,000	<20,000	<10,000	
	1/3/2017	7,900	24,000	2,200	13,000	280	150J	<200	--	--	<2,000	<4,000	220	<200	<4,000	140,000	15,000	<1,000	
	3/6/2018	Free Product (1.30 B.L.)																	
	12/28/2018	7,900	38,000	3,100	17,000	610	<200	<200	<0.019	--	<2,000	<4,000	<200	<200	<4,000	240,000	5,400	<1,000	
	7/1/2020	6,600	20,000	1,900	11,000	400	<200	<200	<0.019	--	<2,000	440J	220	<200	<4,000	51,000	15,000	<1,000	
02314-RW3	10/12/2022	2,900	5,600	750	4,600	190	46J	<50	<0.020	--	<500	<1,000	130	<50	<1,000	<5,000	20,000	<250	
	4/18/2023	2,410	4,970	546	6,380	370	27.8J	<50	<0.020	--	<500	<5,000	92.0	<500	<5,000	<10,000	6,540	<2,500	
	4/18/2023	2,470	5,050	551	7,000	376	25.2J	<50	<0.020	--	<500	<5,000	87.6	<500	<5,000	<10,000	5,760	<2,500	
	1/3/2017	Not Sampled																	
	3/6/2018	1,600	7,500	900	5,000	643	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	1,300J	<500	
02314-RW4	12/27/2018	4,400	18,000	1,500	9,200	280	<100	<100	<0.019	--	<1,000	<2,000	<100	<100	<2,000	<10,000	23,000	<500	
	7/1/2020	1,200	4,300	400	3,700	95	<50	<50	<0.020	--	<500	100J	<50	<50	<1,000	<5,000	8,600	<250	
	10/12/2022	27	25	5.3	43	0.52J	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	8.8J	<5.0	
	4/18/2023	67.5	127	10.2	236	7.2	<2.0	<2.0	<0.019	--	<20	<200	<2.0	<20	<200	<400	<200	<100	
	12/27/2018	11,000	47,000	3,700	20,000	520	<500	<500	<0.020	--	<5,000	<10,000	<500	<500	<10,000	2,500,000	32,000	<2,500	
02314-RW5	7/1/2020	7,300	24,000	2,100	11,000	280	<200	<200	<0.020	--	<2,000	480J	110J	<200	<4,000	220,000	20,000	<1,000	
	10/12/2022	Free Product (0.60 B.L.)																	
	4/18/2023	4,750	19,200	2,270	13,700	497	<200	<200	<0.019	--	<2,000	<20,000	<200	<2,000	<20,000	238,000	14,500J	<10,000	
	12/27/2018	7,600	31,000	3,600	21,000	630	<200	<200	<0.020	--	<2,000	<4,000	190J	<200	<4,000	490,000	8,700	<1,000	
	7/1/2020	5,500	24,000	2,900	19,000	680	<500	<500	<0.019	--	<5,000	<10,000	<500	<500	<10,000	<50,000	<10,000	<2,500	
10/12/2022	1,600	1,600	400	1,900	110	5.1J	<10	<0.020	--	<100	88J	18	<10	<200	2,700	5,400	<50		
4/18/2023	1,550	8,210	1,620	8,740	345	<50	<50	<0.020	--	<500	<5,000	<50	<500	<5,000	<10,000	<5,000	<2,500		

**TABLE 3  
GROUNDWATER LABORATORY DATA  
MARUTI KUNDAL (FORMER WINDSOR MART)  
CHERAW, SOUTH CAROLINA  
TERRY PROJECT #2171.90  
SCDHEC UST PERMIT #02314**

Well #	Sample Date	Benzene	Toluene	Ethyl benzene	Xylenes	Naphthalene	MTBE	1,2-DCA	EDB	Lead	TAME	TBA	DIPE	ETBE	ETBA	Ethanol	TAA	TBF	
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
RBSL	--	5	1,000	700	10,000	25	40	5	0.05	15	120	1,400	150	47	N/A	10,000	240	N/A	
02314-SW1	12/9/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.010	--	<5.00	<10.0	<5.00	<5.00	<100	<1,000	<20.0	<50.0	
	9/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	12/27/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-SW2	10/13/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/18/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
	12/9/2013	Dry																	
	9/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	1/3/2017	Not Sampled																	
	3/5/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<20	<1.0	<1.0	<20	150	<20	<5.0	
02314-WSW1	12/27/2018	Dry																	
	6/30/2020	Dry																	
	10/13/2022	Dry																	
	4/18/2023	Dry																	
	12/28/2018	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0097	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	7/1/2020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0098	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
02314-WSW1 (DUP)	10/13/2022	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.0098	--	<10	<20	<1.0	<1.0	<20	<100	<20	<5.0	
	4/19/2023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
	4/19/2023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.021	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
	4/19/2023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
02314-FB1	4/17/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
02314-FB2	4/18/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
02314-TB	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
02314-TB	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
02314-WSW-FB1	4/19/2023	<0.50	0.262	<0.50	<0.50	<0.50	<0.50	<0.50	<0.022	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	
02314-TB	4/19/2023	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	--	--	<10	<100	<1.0	<1.0	<100	<200	<100	<50	

**NOTES-KEY:**

-- = Not tested, not analyzed  
RBSL = Risk-Based Screening Level  
ug/L = micrograms per liter  
mg/L = milligrams per liter  
H = Out of holding time  
J = Estimated value  
P = The RPD between two GC columns exceeds 40%  
S = MSMSD failure

MTBE = Methyl tertiary butyl ether  
1,2-DCA = 1,2-Dichloroethane  
EDB = 1,2-Dibromoethane  
TAME = tert-amyl methyl ether or tert-Butyl methyl ether  
TBA = tert-butyl alcohol  
DIPE = diisopropyl ether or isopropyl ether  
ETBE = Ethyl tert-butyl ether

ETBA = ethyl tert-butanol or 3,3-Dimethyl-1-butanol  
TAA = tert-amyl alcohol  
TBF = tert-butyl formate  
FB = Field Blank  
TB = Trip Blank  
DUP = Duplicate

**Bold** lettering indicates parameter exceeds SCDHEC RBSL's except 1,2-DCA which is based on EPA limit

## **J. FIGURES**

### **1. Topographic Map**

Figure 1 Topographic Map - Attached

### **2. Site Base Map**

Figure 2 Site Base Map - Attached

### **3. CoC Site Maps**

Figure 3 Soil CoC Map - Not Applicable

Figure 4A Groundwater CoC Map - Attached

Figure 4B Groundwater CoC Map (Oxygenates) - Attached

### **4. Site Potentiometric Maps**

Figure 5A Site Potentiometric Map (Shallow) – Attached

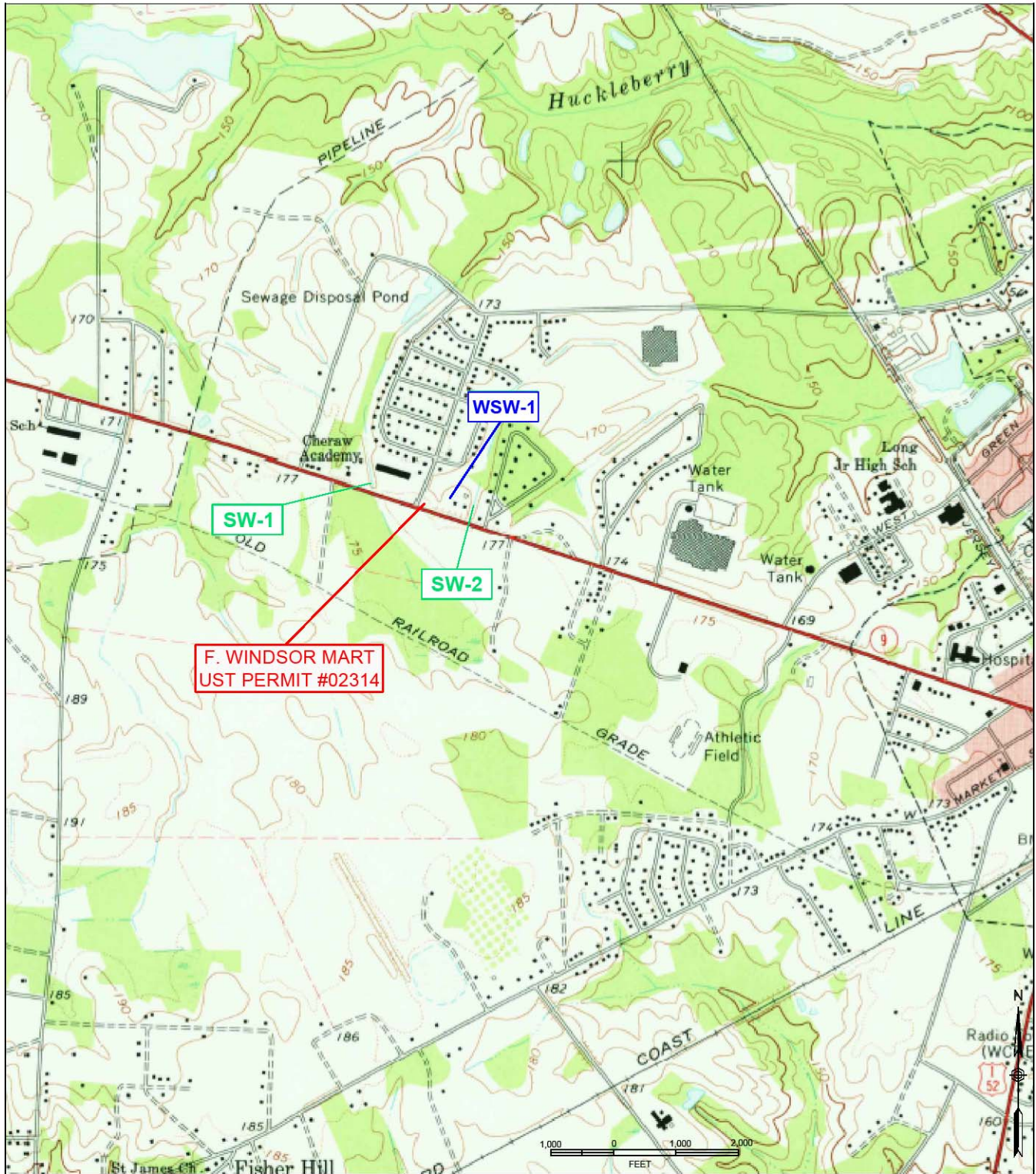
Figure 5B Site Potentiometric Map (Deep) - Attached

### **5. Geologic Cross Sections**

Figure 6 Geologic Cross Sections - Not Applicable

### **6. Predicted Migration and Attenuation of CoCs**

Figure 7 Predicted Migration and Attenuation of CoCs - Not Applicable



**FIGURE 1  
TOPOGRAPHIC MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina



... providing our clients with the best services available,  
actually understanding our clients objectives,  
and making their objectives our own!

PO Box 25  
Summerville, South Carolina 29484  
(800) 325-0605 (843)-873-8200 fax: (843)-873-8765

SIZE  
B

TERRY Project No.  
2171.90

DWG NO.

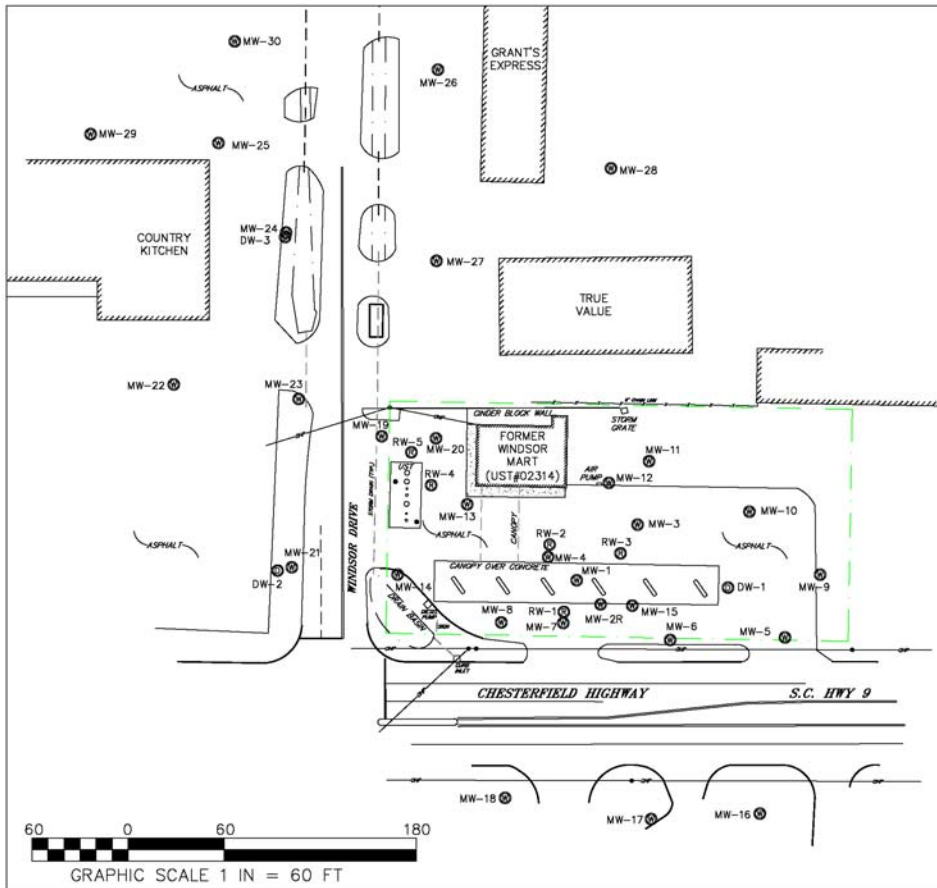
Figure 1 Topo Map

REV

SCALE: As Shown

DATE: May 2023





**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MW-# MONITORING WELL
- DW-# DEEP MONITORING WELL
- RW-# RECOVERY WELL
- BUILDING

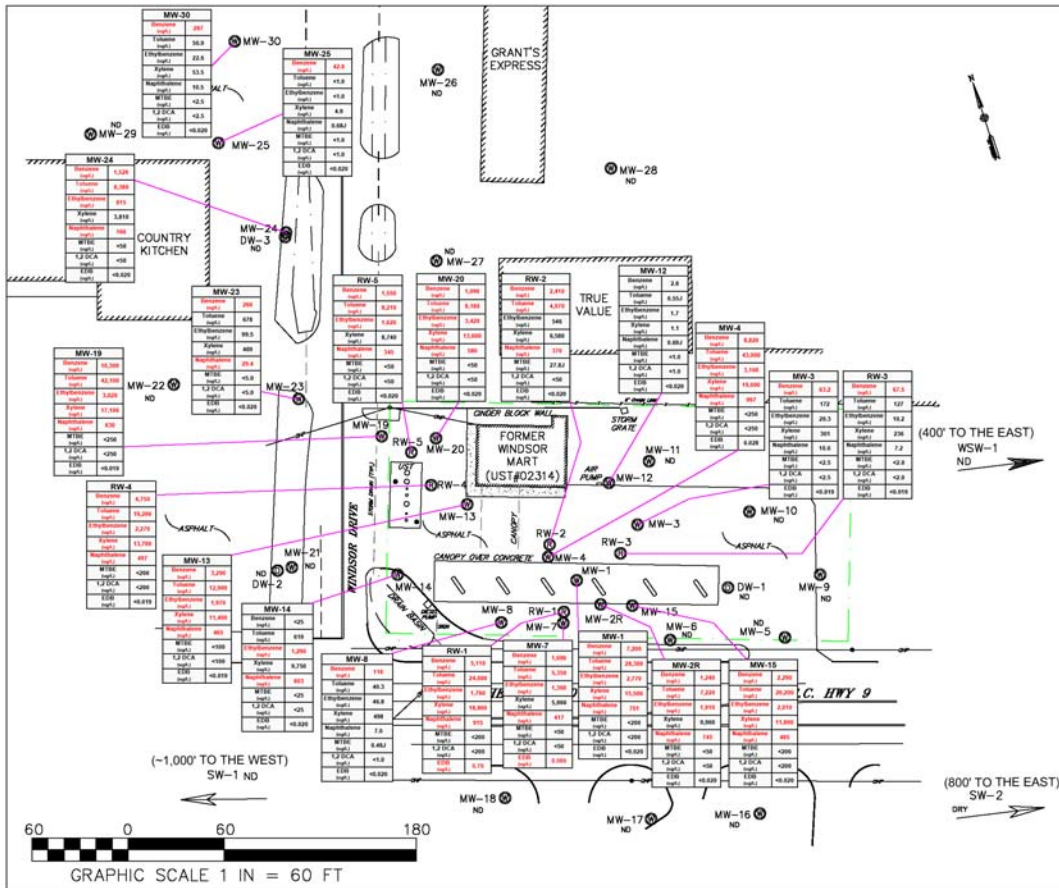
All MW, RW, and sample identifications are preceded by UST Permit #02314 (i.e. 02314-MW 1)



**FIGURE 2  
SITE BASE MAP**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE May 2023



**LEGEND & ABBREVIATIONS:**

--- (dashed line) APPROXIMATE PROPERTY LINE  
 --- (line with cross-ticks) POWER POLE WITH OVERHEAD POWER  
 MW-# (circle with dot) MONITORING WELL  
 DW-# (circle with dot) DEEP MONITORING WELL  
 RW-# (circle with dot) RECOVERY WELL  
 // (hatched area) BUILDING

EDB = 1,2-DIBROMOETHANE  
 MTBE = METHYL TERTIARY BUTYL ETHER  
 1,2 DCA = 1,2-DICHLOROETHANE  
 J = ESTIMATED VALUE  
 RED INDICATES CONTAMINANTS EXCEED RBLS  
 ND = LABORATORY ANALYSIS INDICATES ALL COC AT OR BELOW DETECTION LIMITS  
 SAMPLES COLLECTED APRIL 17-19, 2023  
 ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #02314 (i.e. 02314-MW 1)

**TERRY ENVIRONMENTAL SERVICES**  
 CLIENTS FIRST ALWAYS

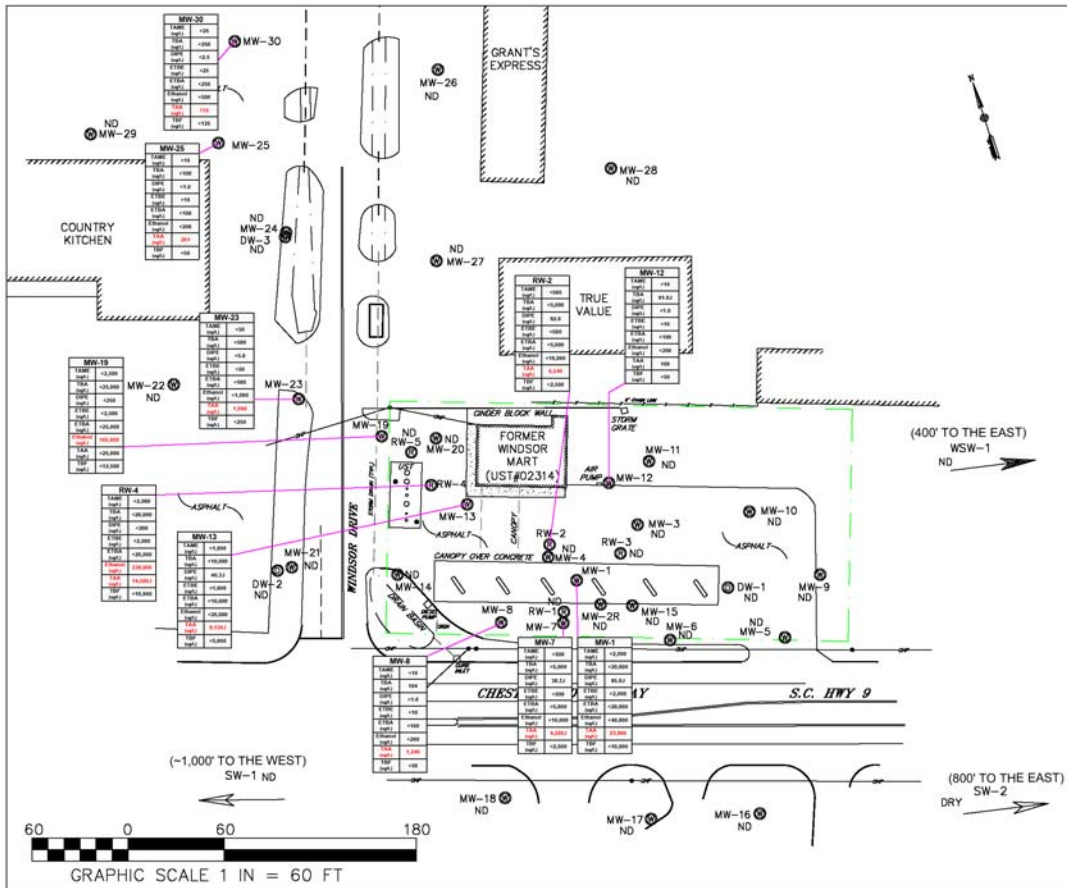
**FIGURE 4A  
 GROUNDWATER COC MAP**

Maruti Kundal (Former Windsor Mart)  
 820 Chesterfield Highway  
 Cheraw, South Carolina

TERRY PROJECT #	SCONEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE May 2023







**LEGEND & ABBREVIATIONS:**

--- APPROXIMATE PROPERTY LINE  
 --- POWER POLE WITH OVERHEAD POWER  
 MW-# (circle with dot) MONITORING WELL  
 DW-# (circle with dot) DEEP MONITORING WELL  
 RW-# (circle with dot) RECOVERY WELL  
 / / / / / BUILDING

TAME = TERT-AMYL METHYL ETHER  
 TBA = TERT-BUTYL ALCOHOL or T-BUTANOL  
 DIPE = ISOPROPYL ETHER or DIISOPROPYL ETHER  
 ETBE = ETHYL TERT-BUTYL ETHER  
 ETBA = 3,3-DIMETHYL-1-BUTANOL OR ETHYL-TERT-BUTANOL  
 TAA = TERT-AMYL ALCOHOL  
 TBF = TERT-BUTYL FORMATE  
 J = ESTIMATED VALUE

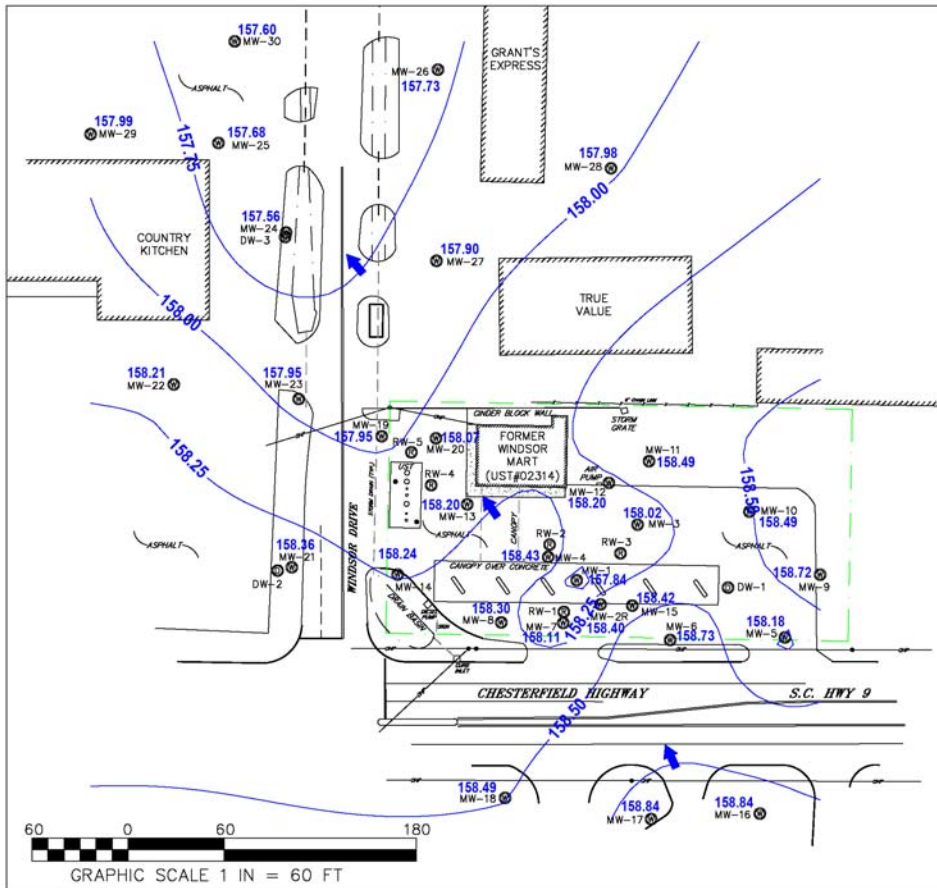
RED INDICATES CONTAMINANTS EXCEED RBSLs  
 ND = LABORATORY ANALYSIS INDICATES ALL COC AT OR BELOW DETECTION LIMITS  
 SAMPLES COLLECTED APRIL 17-19, 2023  
 ALL MW AND SAMPLE IDENTIFICATIONS ARE PRECEDED BY UST PERMIT #02314 (i.e. 02314-MW 1)



**FIGURE 4B  
 GROUNDWATER COC MAP  
 OXYGENATES**

Maruti Kundal (Former Windsor Mart)  
 820 Chesterfield Highway  
 Cheraw, South Carolina

TERRY PROJECT #	SCOHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE May 2023



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- BUILDING

157.84 GROUNDWATER ELEVATION  
(RELATIVE TO AN ASSUMED DATUM)

-158.00- GROUNDWATER CONTOUR

GROUNDWATER FLOW DIRECTION

MEASUREMENTS COLLECTED ON  
APRIL 17-18, 2023

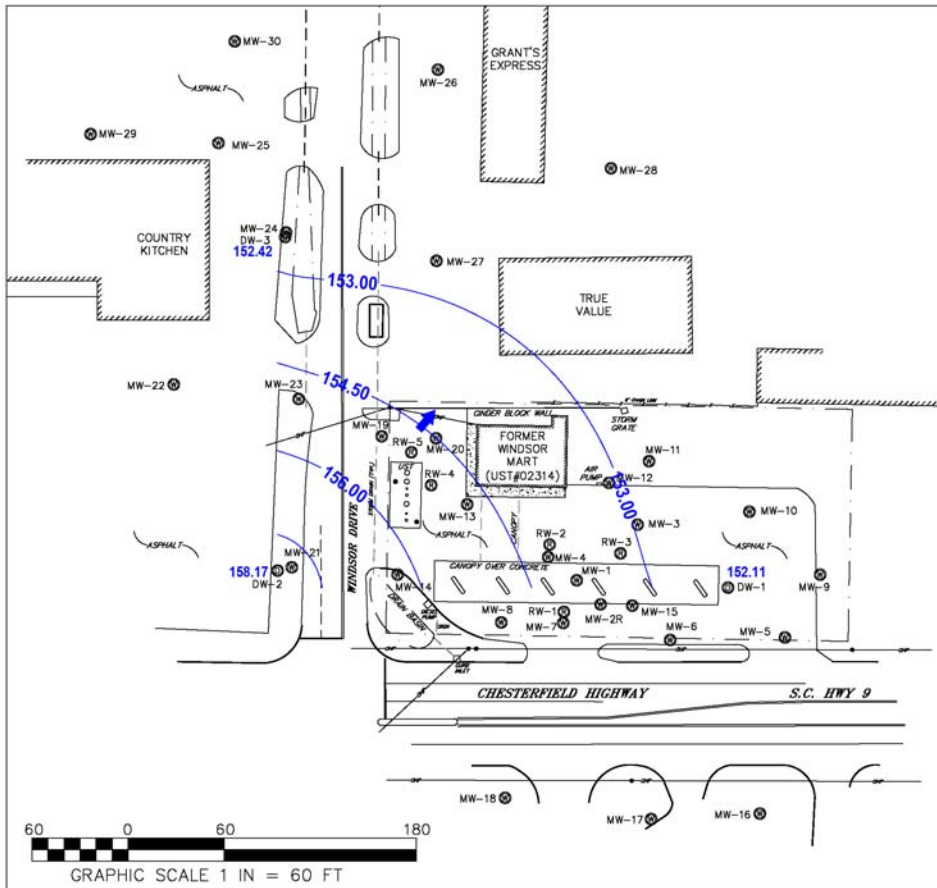
All MW, RW, and sample identifications  
are preceded by UST Permit #02314  
(ie. 02314-MW 1)



**FIGURE 5A  
SITE POTENTIOMETRIC MAP (SHALLOW)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE May 2023



**LEGEND & ABBREVIATIONS:**

- APPROXIMATE PROPERTY LINE
- POWER POLE WITH OVERHEAD POWER
- MONITORING WELL
- DEEP MONITORING WELL
- RECOVERY WELL
- BUILDING

- 152.11 GROUNDWATER ELEVATION (RELATIVE TO AN ASSUMED DATUM)
- 156.00- GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- MEASUREMENTS COLLECTED ON APRIL 17-18, 2023

All MW, RW, and sample identifications are preceded by UST Permit #02314 (ie. 02314-MW 1)



**FIGURE 5B  
SITE POTENTIOMETRIC MAP (DEEP)**

Maruti Kundal (Former Windsor Mart)  
820 Chesterfield Highway  
Cheraw, South Carolina

TERRY PROJECT #	SCDHEC SITE ID #
2171.90	02314
SCALE 1" = 60'	DATE May 2023

## **K. APPENDICES**

### **1. Appendix A: Site Survey**

Not Applicable

### **2. Appendix B: Sampling Logs and Laboratory Data**

### **3. Appendix C: Tax Map**

Not Applicable

### **4. Appendix D: Soil Boring/Field Screening Logs**

Not Applicable

### **5. Appendix E: Well Completion Logs/SCDHEC 1903 Forms**

Not Applicable

### **6. Appendix F: Aquifer Evaluation Forms**

Not Applicable

### **7. Appendix G: Disposal Manifest**

### **8. Appendix H: Local Zoning Regulations**

Not Applicable

### **9. Appendix I: Fate and Transport Modeling Data**

Not Applicable

### **10. Appendix J: Access Agreements**

Not Applicable

### **11. Appendix K: Data Verification Checklist**

**APPENDIX A**

**Site Survey  
(Not Applicable)**

## **APPENDIX B**

### **Sampling Logs and Laboratory Data**

**Groundwater Sampling Log**



**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID	2171.90			Well ID	02314 - MW-1		
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Maruti Kundal (Former Windsor Mart)						
Date	4/18/2023						
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather	clear			Screened Interval	10-20	ft	
Ambient Air Temperature	80			Total Well Depth (nearest 0.1')	20.3	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')	15.44	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	4.86	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	0815		Last Verification (time)	1615	Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.3
Volume (gal)	initial						
Time (military)	1624						
pH (su)	4.85						
Spec Conductivity (mS/cm)	0.187						
Water Temperature (°C)	23.6						
Turbidity (NTU)	0.47						
Dissolved Oxygen (mg/L)	7.25						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



**Groundwater Sampling Log**

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				<p align="center"><b>Site Specific Information</b></p>				<p align="center"><b>Monitoring Well Information</b></p>	
Terry Project ID		2171.90		Well ID		02314 - <u>MW-2R</u>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		4/18/2023							
Field Personnel		LJ		Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		clear		Screened Interval		10.3-20.3	ft		
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		19.8	ft		
<p align="center"><b>Quality Assurance</b></p>				Depth to Groundwater (nearest 0.01')		15.52	ft		
				Meter Serial Number Horiba U-52-2 VPTPGA3X Calibration Constant 4.00 su Calibration Constant 4.49 mS/cm Calibration Constant 0.0 NTU Last Calibration (time) 0818		or Meter Serial Number Horiba U-52-2 V3KNWUE9 Calibration Constant 4.00 su Calibration Constant 4.49 mS/cm Calibration Constant 0.0 NTU Last Verification (time) 1215			
				Purge Technique Utilized (bailer, pump)					
				Well Yield				Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	19.8
Volume (gal)		just 1							
Time (military)		1221							
pH (su)		4.44							
Spec Conductivity (mS/cm)		0.078							
Water Temperature (°C)		24.9							
Turbidity (NTU)		0.0							
Dissolved Oxygen (mg/L)		7.60							
<p align="center"><b>Well Condition Information</b></p>				<p align="center"><b>Additional Comments</b></p>					
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - MW-3	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		9/18/2023					
Field Personnel		LJ		Well Diameter		2	in
General Weather		clear		Screened Interval		10-20	ft
Ambient Air Temperature		55		Total Well Depth (nearest 0.1')		19.8	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		6.39	ft
Serial Number	VTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial						
Time (military)	0846						
pH (su)	4.47						
Spec Conductivity (mS/cm)	0.037						
Water Temperature (°C)	20.0						
Turbidity (NTU)	18.5						
Dissolved Oxygen (mg/L)	5.78						
Well Condition Information				Additional Comments			
-overall condition acceptable?				* vault filled with graywater, ~3gal			
-well cap acceptable?							
-manhole and cover acceptable?				full of liquid and solids			
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - MW-4			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	4/18/2023							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	10-20	ft		
Ambient Air Temperature	80			Total Well Depth (nearest 0.1')	20.1	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	14.96	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	5.14		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)	1615	Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.1	
Volume (gal)	Initial							
Time (military)	1631							
pH (su)	4.09							
Spec Conductivity (mS/cm)	0.119							
Water Temperature (°C)	22.5							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	4.33							
Well Condition Information				Additional Comments				
-overall condition acceptable?				@006 heavy petrol sheen				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-5		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/17/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		9.9-19.9	ft	
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		19.9	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		16.79	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		3.11	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield			19.9
					Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>
					High	<input type="checkbox"/>		
Volume (gal)	initial							
Time (military)	1615							
pH (su)	4.47							
Spec Conductivity (mS/cm)	0.119							
Water Temperature (°C)	21.8							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	8.85							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-6		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/17/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		10.1-20.1	ft	
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		20.1	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		4.26	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial							
Time (military)	1713							
pH (su)	3.93							
Spec Conductivity (mS/cm)	0.046							
Water Temperature (°C)	21.4							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	8.91							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								


TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

20.1

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				<b>Site Specific Information</b>				<b>Monitoring Well Information</b>	
Terry Project ID		2171.90		Well ID		02314 - <i>MW-7</i>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		<i>4/18/2023</i>							
Field Personnel		<i>LJ</i>		Well Diameter		<i>2</i>	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		<i>clear</i>		Screened Interval		<i>10.3-20.3</i>	ft		
Ambient Air Temperature		<i>70</i>		Total Well Depth (nearest 0.1')		<i>20.3</i>	ft		
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		<i>16.09</i>	ft		
Meter		Horiba U-52-2		Meter		Horiba U-52-2			
Serial Number		VPTPGA3X		Serial Number		V3KNWUE9		1 Casing Volume (0.163)	
Calibration Constant		4.00 su		Calibration Constant		4.00 su		3 Casing Volumes (0.489)	
Calibration Constant		4.49 mS/cm		Calibration Constant		4.49 mS/cm		Total Volume Purged	
Calibration Constant		0.0 NTU		Calibration Constant		0.0 NTU		Purge Technique Utilized (bailer, pump)	
Last Calibration (time)		<i>0815</i>		Last Verification (time)				Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)		<i>initial</i>						<i>20.3</i>	
Time (military)		<i>1202</i>							
pH (su)		<i>4.76</i>							
Spec Conductivity (mS/cm)		<i>0.244</i>							
Water Temperature (°C)		<i>25.4</i>							
Turbidity (NTU)		<i>0.0</i>							
Dissolved Oxygen (mg/L)		<i>7.26</i>							
<b>Well Condition Information</b>					<b>Additional Comments</b>				
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

**Groundwater Sampling Log**

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<b>Site Specific Information</b>				<b>Monitoring Well Information</b>				
Terry Project ID		2171.90		Well ID		02314 - MW-8		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/18/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		10.3-20.3	ft	
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		20.3	ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		15.49	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		4.81	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.3
Volume (gal)	initial							
Time (military)	1111							
pH (su)	4.34							
Spec Conductivity (mS/cm)	0.095							
Water Temperature (°C)	23.5							
Turbidity (NTU)	19.5							
Dissolved Oxygen (mg/L)	8.23							
<b>Well Condition Information</b>				<b>Additional Comments</b>				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information								
Terry Project ID		2171.90		Well ID		02314 - MW-9						
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB						
Project Name		Maruti Kundal (Former Windsor Mart)										
Date		9/17/2023										
Field Personnel		LJ		Well Diameter		2	in					
General Weather		clear		Screened Interval		9.9-19.9	ft					
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		19.9	ft					
Quality Assurance				Depth to Groundwater (nearest 0.01')								
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		5.90	ft				
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft				
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals				
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals				
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)							
Last Calibration (time)	1145		Last Verification (time)	1545	Well Yield		Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>
Volume (gal)	initial											
Time (military)	1556											
pH (su)	3.48											
Spec Conductivity (mS/cm)	0089											
Water Temperature (°C)	22.1											
Turbidity (NTU)	0.0											
Dissolved Oxygen (mg/L)	5.79											
Well Condition Information				Additional Comments								
-overall condition acceptable?												
-well cap acceptable?												
-manhole and cover acceptable?												
-well pad acceptable?												
-area safe?												
-other comments												

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-10		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/17/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		10.3-20.3	ft	
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		20.4	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		13.60	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		6.80	ft
Serial Number	VTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.4
Volume (gal)	initial							
Time (military)	1538							
pH (su)	3.59							
Spec Conductivity (mS/cm)	0.085							
Water Temperature (°C)	22.4							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	5.89							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - MW-11	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/17/2023					
Field Personnel		LJ		Well Diameter		2	in
General Weather		clear		Screened Interval		10.1-20.1	ft
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		19.9	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		6.32	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145	Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	19.9
Volume (gal)	initial						
Time (military)	1530						
pH (su)	3.93						
Spec Conductivity (mS/cm)	0.83						
Water Temperature (°C)	22.2						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	8.20						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-12		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/18/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		10.3-20.3	ft	
Ambient Air Temperature		60		Total Well Depth (nearest 0.1')		20.4	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		6.06	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.4
Volume (gal)	initial							
Time (military)	0929							
pH (su)	4.22							
Spec Conductivity (mS/cm)	0.077							
Water Temperature (°C)	19.8							
Turbidity (NTU)	23.0							
Dissolved Oxygen (mg/L)	9.21							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - MW-13			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	4/18/2023							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	10.3-20.3	ft		
Ambient Air Temperature	75			Total Well Depth (nearest 0.1')	20.2	ft		
Quality Assurance				Depth to Groundwater (nearest 0.1')	14.44	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	5.76		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)	1215	Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.2	
Volume (gal)	initial							
Time (military)	1440							
pH (su)	3.84							
Spec Conductivity (mS/cm)	0.066							
Water Temperature (°C)	24.1							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	5.79							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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				<b>Site Specific Information</b>				<b>Monitoring Well Information</b>	
Terry Project ID		2171.90		Well ID		02314 - <u>MW-14</u>			
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		<u>4/18/2023</u>							
Field Personnel		<u>LJ</u>		Well Diameter		<u>2</u>	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather		<u>clear</u>		Screened Interval		<u>10.3-20.3</u>	ft		
Ambient Air Temperature		<u>80</u>		Total Well Depth (nearest 0.1')		<u>20.3</u>	ft		
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		<u>14.64</u>	ft		
Meter		Horiba U-52-2		Meter		Horiba U-52-2			
Serial Number		VPTPGA3X		Serial Number		V3KNWUE9		1 Casing Volume (0.163)	
Calibration Constant		4.00 su		Calibration Constant		4.00 su		3 Casing Volumes (0.489)	
Calibration Constant		4.49 mS/cm		Calibration Constant		4.49 mS/cm		Total Volume Purged	
Calibration Constant		0.0 NTU		Calibration Constant		0.0 NTU		Purge Technique Utilized (bailer, pump)	
Last Calibration (time)		<u>0815</u>		Last Verification (time)		<u>1215</u>		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)		<u>initial</u>						<u>20.3</u>	
Time (military)		<u>1547</u>							
pH (su)		<u>3.89</u>							
Spec Conductivity (mS/cm)		<u>0.052</u>							
Water Temperature (°C)		<u>23.8</u>							
Turbidity (NTU)		<u>0.0</u>							
Dissolved Oxygen (mg/L)		<u>7.59</u>							
<b>Well Condition Information</b>					<b>Additional Comments</b>				
-overall condition acceptable?									
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - MW-15	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		2	in
General Weather		clear		Screened Interval		10.3-20.3	ft
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		20.4	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		15.43	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		4.97	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	20.4
Volume (gal)	initial						
Time (military)	1145						
pH (su)	4.08						
Spec Conductivity (mS/cm)	0.055						
Water Temperature (°C)	25.7						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	7.45						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-16		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4 / 17 / 2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		16-26	ft	
Ambient Air Temperature		65		Total Well Depth (nearest 0.1')		25.4	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		18.13	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		7.67	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1143		Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			258
Volume (gal)	initial							
Time (military)	1220							
pH (su)	3.59							
Spec Conductivity (mS/cm)	0.107							
Water Temperature (°C)	22.9							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	10.20							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - MW-17			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	4/17/2023							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	10.4-20.4	ft		
Ambient Air Temperature	65			Total Well Depth (nearest 0.1')	20.4	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	17.29	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	3.11		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	20.4	
Volume (gal)	initial							
Time (military)	1200							
pH (su)	4.31							
Spec Conductivity (mS/cm)	0.079							
Water Temperature (°C)	23.1							
Turbidity (NTU)	0.8							
Dissolved Oxygen (mg/L)	8.61							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - MW-18			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	4/17/2023							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	14.6-24.6	ft		
Ambient Air Temperature	65			Total Well Depth (nearest 0.1')	24.4	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	17.10	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	7.30		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	24.4	
Volume (gal)	initial							
Time (military)	1153							
pH (su)	4.92							
Spec Conductivity (mS/cm)	2063							
Water Temperature (°C)	22.7							
Turbidity (NTU)	4.8							
Dissolved Oxygen (mg/L)	8.09							
Well Condition Information				Additional Comments				
-overall condition acceptable?				FB-1 @ 1140				
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - <u>MW-19</u>		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		<u>4/18</u> /2023						
Field Personnel		<u>LJ</u>		Well Diameter		<u>2</u>	in	
General Weather		<u>clear</u>		Screened Interval		<u>12.9-22.3</u>	ft	
Ambient Air Temperature		<u>80</u>		Total Well Depth (nearest 0.1')		<u>72.3</u>	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		<u>13.55</u>	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		<u>8.75</u>	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			<u>2003</u>
Last Calibration (time)	<u>0815</u>		Last Verification (time)	<u>1615</u>	Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	<u>initial</u>							
Time (military)	<u>1644</u>							
pH (su)	<u>4.31</u>							
Spec Conductivity (mS/cm)	<u>0.269</u>							
Water Temperature (°C)	<u>22.4</u>							
Turbidity (NTU)	<u>0.0</u>							
Dissolved Oxygen (mg/L)	<u>7.91</u>							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-20		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/18/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		12.2-22.2	ft	
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		22.0	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		13.75	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		8.25	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)	1215	Well Yield			22.0
					Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>
							High	<input type="checkbox"/>
Volume (gal)	instal							
Time (military)	1503							
pH (su)	4.01							
Spec Conductivity (mS/cm)	0.120							
Water Temperature (°C)	24.4							
Turbidity (NTU)	1.03							
Dissolved Oxygen (mg/L)	4.42							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information			
Terry Project ID	2171.90			Well ID	02314 - MW-2		
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name	Maruti Kundal (Former Windsor Mart)						
Date	4/17/2023						
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather	clear			Screened Interval	13.7-23.7	ft	
Ambient Air Temperature	75			Total Well Depth (nearest 0.1')	23.7	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')	15.61	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	8.09	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	23.7
Volume (gal)	initial						
Time (military)	1437						
pH (su)	4.08						
Spec Conductivity (mS/cm)	0.079						
Water Temperature (°C)	21.8						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	9.03						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-22		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/17/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		12-22	ft	
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		21.7	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		7.96	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield			Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>
Volume (gal)	initial							21.7
Time (military)	1449							
pH (su)	3.74							
Spec Conductivity (mS/cm)	0.079							
Water Temperature (°C)	21.9							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	8.74							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-23		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/18/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		Clear		Screened Interval		11.2-21.2	ft	
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		21.2	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')				
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		8.12	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0915		Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			21.2
Volume (gal)	initial							
Time (military)	1058							
pH (su)	4.64							
Spec Conductivity (mS/cm)	0.100							
Water Temperature (°C)	23.0							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	7.80							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - MW-24	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		2	in
General Weather		clear		Screened Interval		11-21	ft
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		20.5	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		12.22	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		8.28	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)	1215	Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	20.5
Volume (gal)	initial						
Time (military)	1525						
pH (su)	4.95						
Spec Conductivity (mS/cm)	0.104						
Water Temperature (°C)	24.8						
Turbidity (NTU)	162						
Dissolved Oxygen (mg/L)	7.55						
Well Condition Information				Additional Comments			
-overall condition acceptable?		well under pressure when cap removed		Dup-2@ 1527			
-well cap acceptable?		- want to confirm DTW					
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - MW-25			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	4/18/2023							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	11-21	ft		
Ambient Air Temperature	60			Total Well Depth (nearest 0.1')	20.5	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	12.40	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	8.10		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	205	
Volume (gal)	initial							
Time (military)	1015							
pH (su)	3.79							
Spec Conductivity (mS/cm)	0.093							
Water Temperature (°C)	21.4							
Turbidity (NTU)	1.3							
Dissolved Oxygen (mg/L)	7.47							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - MW-26			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	4 / 17 / 2023							
Field Personnel	LJ			Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	10.4-20.4	ft		
Ambient Air Temperature	20			Total Well Depth (nearest 0.1')	19.7	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	16.48	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	8.22		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	19.7	
Volume (gal)	1255							
Time (military)	3.62							
pH (su)	0.051							
Spec Conductivity (mS/cm)	21.9							
Water Temperature (°C)	4.31							
Turbidity (NTU)	9.16							
Dissolved Oxygen (mg/L)								
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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<b>Site Specific Information</b>				<b>Monitoring Well Information</b>						
Terry Project ID		2171.90		Well ID		02314 - MW-27				
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB				
Project Name		Maruti Kundal (Former Windsor Mart)								
Date		4/18/2023								
Field Personnel		LJ		Well Diameter		2	in			
General Weather		clear		Screened Interval		10-20	ft			
Ambient Air Temperature		80		Total Well Depth (nearest 0.1')		20.1	ft			
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')		11.05	ft			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'			
Serial Number	VTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)					
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)					
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged					
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)					
Last Calibration (time)	0815		Last Verification (time)	1215	Well Yield		20.1			
					Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>
Volume (gal)	initial									
Time (military)	1600									
pH (su)	3.53									
Spec Conductivity (mS/cm)	0.031									
Water Temperature (°C)	22.7									
Turbidity (NTU)	289									
Dissolved Oxygen (mg/L)	8.05									
<b>Well Condition Information</b>				<b>Additional Comments</b>						
-overall condition acceptable?				well in busy area near hardware store - limited access throughout day						
-well cap acceptable?										
-manhole and cover acceptable?				well under pressure - wait to confirm DTW						
-well pad acceptable?										
-area safe?										
-other comments										

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-28		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/17/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		7.5-22.5	ft	
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		22.5	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		9.70	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		12.80	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	1145	Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>				
Volume (gal)	instal							
Time (military)	1238							
pH (su)	4.32							
Spec Conductivity (mS/cm)	0.059							
Water Temperature (°C)	21.7							
Turbidity (NTU)	0.35							
Dissolved Oxygen (mg/L)	8.84							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - MW-29		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		4/17/2023						
Field Personnel		LJ		Well Diameter		2	in	
General Weather		clear		Screened Interval		7.5-22.5	ft	
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		22.5	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		13.59	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		8.91	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
Volume (gal)	initial							TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Time (military)	1306							
pH (su)	3.61							
Spec Conductivity (mS/cm)	0.084							
Water Temperature (°C)	21.8							
Turbidity (NTU)	4.1							
Dissolved Oxygen (mg/L)	8.95							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								



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Site Specific Information				Monitoring Well Information				
Terry Project ID		2171.90		Well ID		02314 - <u>MW-30</u>		
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)						
Date		<u>4/18/2023</u>						
Field Personnel		<u>LJ</u>		Well Diameter		<u>2</u>	in	
General Weather		<u>clear</u>		Screened Interval		<u>7-22</u>	ft	
Ambient Air Temperature		<u>60</u>		Total Well Depth (nearest 0.1')		<u>21.8</u>	ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')		<u>12.18</u>	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		<u>9.62</u>	ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	<u>0815</u>	Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>				
Volume (gal)	<u>initial</u>							
Time (military)	<u>0953</u>							
pH (su)	<u>4.09</u>							
Spec Conductivity (mS/cm)	<u>0081</u>							
Water Temperature (°C)	<u>20.8</u>							
Turbidity (NTU)	<u>36.4</u>							
Dissolved Oxygen (mg/L)	<u>9.31</u>							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

21.8

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Site Specific Information					Monitoring Well Information				
Terry Project ID	2171.90				Well ID	02314 - DW-1			
SCDHEC Permit No.	02314				Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)								
Date	4/17/2023								
Field Personnel	LJ				Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear				Screened Interval	49.6-54.6	ft		
Ambient Air Temperature	75				Total Well Depth (nearest 0.1')	54.5	ft		
Quality Assurance					Depth to Groundwater (nearest 0.01')	21.48	ft		
Meter	Horiba U-52-2		Meter	Horiba U-52-2		Length of Water Column	33.02		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9		1 Casing Volume (0.163)	5.38	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su		3 Casing Volumes (0.489)	16.15	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm		Total Volume Purged	6.75	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU		Purge Technique Utilized (bailer <input checked="" type="checkbox"/> pump)			
Last Calibration (time)	1145		Last Verification (time)	1545		Well Yield	Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	57.5	
Volume (gal)	initial	5.5	6.5	6.75					
Time (military)	1625	1635	1638	1649					
pH (su)	5.38	5.42	5.91	5.88					
Spec Conductivity (mS/cm)	0.124	0.125	0.138	0.140					
Water Temperature (°C)	22.5	22.3	22.3	22.0					
Turbidity (NTU)	114	85.4	85.2	99.3					
Dissolved Oxygen (mg/L)	8.38	4.80	8.50	6.33					
Well Condition Information					Additional Comments				
-overall condition acceptable?	well under heavy pressure when cap removed				purged dry @ 65 gal. recharge and sample				
-well cap acceptable?									
-manhole and cover acceptable?	allow to rest 20 min before check DTW								
-well pad acceptable?									
-area safe?									
-other comments									

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Site Specific Information					Monitoring Well Information				
Terry Project ID		2171.90			Well ID		02314 - <u>DJW-2</u>		
SCDHEC Permit No.		02314			Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB		
Project Name		Maruti Kundal (Former Windsor Mart)							
Date		4 / 17 / 2023							
Field Personnel		LJ			Well Diameter		2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
General Weather		clear			Screened Interval		44.6-49.6	ft	
Ambient Air Temperature		75			Total Well Depth (nearest 0.1')		49.6	ft	
Quality Assurance					Depth to Groundwater (nearest 0.01')		16.20	ft	
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		33.4	ft	
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		5.44	ft	
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		16.33	gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		6.75	gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailed <input checked="" type="checkbox"/> pump)				
Last Calibration (time)	1145		Last Verification (time)		Well Yield		Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	49.6	
Volume (gal)	initial	5.5	6.5	6.75					
Time (military)	1400	1409	1413	1425					
pH (su)	5.12	4.93	4.81	4.51					
Spec Conductivity (mS/cm)	0.045	0.044	0.046	0.034					
Water Temperature (°C)	22.2	22.1	22.1	22.0					
Turbidity (NTU)	0.0	44.0	32.4	36.6					
Dissolved Oxygen (mg/L)	8.73	5.91	6.88	7.18					
Well Condition Information					Additional Comments				
-overall condition acceptable?					purged dry @ 6.5 gal. recharge and sample				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									



**Groundwater Sampling Log**



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Site Specific Information					Monitoring Well Information				
Terry Project ID	2171.90				Well ID	02314 - DW-3			
SCDHEC Permit No.	02314				Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)								
Date	4/17/2023								
Field Personnel	LJ				Well Diameter	2	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear				Screened Interval	44.6-49.6	ft		
Ambient Air Temperature	70				Total Well Depth (nearest 0.1')	49.6	ft		
Quality Assurance					Depth to Groundwater (nearest 0.01')	17.51	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	32.09	ft		
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)	5.23	ft		
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)	15.69	gals		
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged	6.25	gals		
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)				
Last Calibration (time)	1145		Last Verification (time)		Well Yield	Low <input type="checkbox"/>	Medium <input checked="" type="checkbox"/>	High <input type="checkbox"/>	
Volume (gal)	initial	5.25	6	6.25				49.6	
Time (military)	1317	1325	1328	1340					
pH (su)	5.13	5.16	5.27	5.32					
Spec Conductivity (mS/cm)	0.083	0.086	0.088	0.111					
Water Temperature (°C)	22.1	22.0	22.0	22.3					
Turbidity (NTU)	0.0	0.0	0.0	389					
Dissolved Oxygen (mg/L)	8.91	10.41	6.04	7.53					
Well Condition Information					Additional Comments				
-overall condition acceptable?					purged dry @ 6 gal. recharge and sample				
-well cap acceptable?									
-manhole and cover acceptable?									
-well pad acceptable?									
-area safe?									
-other comments									

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Site Specific Information				Monitoring Well Information				
Terry Project ID	2171.90			Well ID	02314 - RW-1			
SCDHEC Permit No.	02314			Testing Parameters	BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB			
Project Name	Maruti Kundal (Former Windsor Mart)							
Date	7/18/2023							
Field Personnel	LJ			Well Diameter	4	in	TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'	
General Weather	clear			Screened Interval	10-30	ft		
Ambient Air Temperature	70			Total Well Depth (nearest 0.1')	29.3	ft		
Quality Assurance				Depth to Groundwater (nearest 0.01')	15.62	ft		
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column	13.68		ft
Serial Number	VPTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0915		Last Verification (time)		Well Yield	Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	29.3	
Volume (gal)	initial							
Time (military)	1129							
pH (su)	4.38							
Spec Conductivity (mS/cm)	0.083							
Water Temperature (°C)	75.3							
Turbidity (NTU)	0.0							
Dissolved Oxygen (mg/L)	6.30							
Well Condition Information				Additional Comments				
-overall condition acceptable?								
-well cap acceptable?								
-manhole and cover acceptable?								
-well pad acceptable?								
-area safe?								
-other comments								

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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - RW-2	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		4	in
General Weather		clear		Screened Interval		10-30	ft
Ambient Air Temperature		70		Total Well Depth (nearest 0.1')		30.0	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		15.06	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)	1215	Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	30.0
Volume (gal)	initial						
Time (military)	1237						
pH (su)	5.01						
Spec Conductivity (mS/cm)	0.186						
Water Temperature (°C)	25.2						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	7.32						
Well Condition Information				Additional Comments			
-overall condition acceptable?				Dup-1 @ 1239			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							



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Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - RW-3	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		4	in
General Weather		Clear		Screened Interval		10-30	ft
Ambient Air Temperature		60		Total Well Depth (nearest 0.1')		30.0	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		14.98	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		15.02	ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)	initial						
Time (military)	0900						
pH (su)	4.49						
Spec Conductivity (mS/cm)	0.038						
Water Temperature (°C)	19.5						
Turbidity (NTU)	6.4						
Dissolved Oxygen (mg/L)	6.32						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?				full of water			
-well pad acceptable?							
-area safe?							
-other comments							

TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'

30.0



**Groundwater Sampling Log**



**TERRY Environmental Services**  
CLIENTS FIRST ALWAYS

P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - <i>RW-4</i>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		<i>4/18/2023</i>					
Field Personnel		<i>LJ</i>					
General Weather		<i>Clear</i>		Well Diameter		<i>4</i>	in
Ambient Air Temperature		<i>80</i>		Screened Interval		<i>10-30</i>	ft
Quality Assurance				Total Well Depth (nearest 0.1')		<i>30.0</i>	ft
				Depth to Groundwater (nearest 0.01')		<i>13.70</i>	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		<i>16.30</i>	ft
Serial Number	VTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	<i>0815</i>	Last Verification (time)	<i>1615</i>	Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	<i>30.0</i>
Volume (gal)	<i>initial</i>						
Time (military)	<i>1700</i>						
pH (su)	<i>3.41</i>						
Spec Conductivity (mS/cm)	<i>0.142</i>						
Water Temperature (°C)	<i>22.8</i>						
Turbidity (NTU)	<i>0.0</i>						
Dissolved Oxygen (mg/L)	<i>4.51</i>						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?				<i>full of water</i>			
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**



**TERRY Environmental Services**  
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 1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - <b>RW-5</b>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		4	in
General Weather		Clear		Screened Interval		10-30	ft
Ambient Air Temperature		75		Total Well Depth (nearest 0.1')		30.3	ft
Quality Assurance				Depth to Groundwater (nearest 0.01')		12.95	ft
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		16.35	ft
Serial Number	VPTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)			ft
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)			gals
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged			gals
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0815	Last Verification (time)	1215	Well Yield		Low <input type="checkbox"/>	Medium <input type="checkbox"/>
						High <input type="checkbox"/>	30.3
Volume (gal)	initial						
Time (military)	1422						
pH (su)	4.03						
Spec Conductivity (mS/cm)	0.120						
Water Temperature (°C)	25.7						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	5.47						
Well Condition Information				Additional Comments			
-overall condition acceptable?							
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Groundwater Sampling Log**




**TERRY Environmental Services**  
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P.O. Box 25  
Summerville, SC 29484  
1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314-5W-1	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		in	
General Weather		clear		Screened Interval		ft	
Ambient Air Temperature		55		Total Well Depth (nearest 0.1')		ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	or	Meter	Horiba U-52-2	Length of Water Column		ft
Serial Number	VTPGA3X		Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft
Calibration Constant	4.00 su		Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals
Calibration Constant	4.49 mS/cm		Calibration Constant	4.49 mS/cm	Total Volume Purged		gals
Calibration Constant	0.0 NTU		Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)		
Last Calibration (time)	0815		Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>
Volume (gal)	initial						TAG BOTTOM OF WELL TO VERIFY WELL DEPTH, WRITE BELOW TO NEAREST 0.1'
Time (military)	0829						
pH (su)	5.06						
Spec Conductivity (mS/cm)	0.054						
Water Temperature (°C)	13.7						
Turbidity (NTU)	0.9						
Dissolved Oxygen (mg/L)	8.72						
Well Condition Information				Additional Comments			
-overall condition acceptable?				FB-2@ 0800			
-well cap acceptable?							
-manhole and cover acceptable?				sample from drainage on side of furniture store near main Rd.			
-well pad acceptable?							
-area safe?							
-other comments							



**Groundwater Sampling Log**

 <b>TERRY Environmental Services</b> <small>CLIENTS FIRST ALWAYS</small>				P.O. Box 25 Summerville, SC 29484 1-800-325-0605			
<b>Site Specific Information</b>				<b>Monitoring Well Information</b>			
Terry Project ID		2171.90		Well ID		02314 - <u>SW-2</u>	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA, Oxygenates, Ethanol, & EDB	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/18/2023					
Field Personnel		LJ		Well Diameter		in	
General Weather		clear		Screened Interval		ft	
Ambient Air Temperature		55		Total Well Depth (nearest 0.1')		ft	
<b>Quality Assurance</b>				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		ft	
Serial Number	VTPGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)		Last Verification (time)		Well Yield    Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>			
Volume (gal)							
Time (military)							
pH (su)							
Spec Conductivity (mS/cm)							
Water Temperature (°C)							
Turbidity (NTU)							
Dissolved Oxygen (mg/L)							
<b>Well Condition Information</b>				<b>Additional Comments</b>			
-overall condition acceptable?				Drainage area running perpendicular to main rd - completely dry			
-well cap acceptable?							
-manhole and cover acceptable?							
-well pad acceptable?							
-area safe?							
-other comments							

**Water Supply Well Sampling Log**



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1-800-325-0605

Site Specific Information				Monitoring Well Information			
Terry Project ID		2171.90		Well ID		02314 - WSW-1	
SCDHEC Permit No.		02314		Testing Parameters		BTEX, Naph, MTBE, 1,2-DCA (EPA 524.2); Oxygenates & Ethanol (8260B); & EDB (504.1)	
Project Name		Maruti Kundal (Former Windsor Mart)					
Date		4/19/2023					
Field Personnel		LJ		Well Diameter		in	
General Weather		clear		Screened Interval		ft	
Ambient Air Temperature		65		Total Well Depth (nearest 0.1')		ft	
Quality Assurance				Depth to Groundwater (nearest 0.01')			
Meter	Horiba U-52-2	Meter	Horiba U-52-2	Length of Water Column		ft	
Serial Number	VPTGA3X	Serial Number	V3KNWUE9	1 Casing Volume (0.163)		ft	
Calibration Constant	4.00 su	Calibration Constant	4.00 su	3 Casing Volumes (0.489)		gals	
Calibration Constant	4.49 mS/cm	Calibration Constant	4.49 mS/cm	Total Volume Purged		gals	
Calibration Constant	0.0 NTU	Calibration Constant	0.0 NTU	Purge Technique Utilized (bailer, pump)			
Last Calibration (time)	0830	Last Verification (time)		Well Yield		Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	
Volume (gal)	initial						
Time (military)	0850						
pH (su)	6.00						
Spec Conductivity (mS/cm)	0.091						
Water Temperature (°C)	21.0						
Turbidity (NTU)	0.0						
Dissolved Oxygen (mg/L)	6.29						
Well Condition Information				Additional Comments			
-overall condition acceptable?				# WSW-FB-1 @ 0825			
-well cap acceptable?				well is secured - low brick covering in back corner of yard			
-manhole and cover acceptable?				-providing high pressure access @ spigot on side of house			
-well pad acceptable?				allow for 20 min prior to sample, some plant material			
-area safe?				in initial pumped water			
-other comments				WSW-Vipad-1 @ 0852			





Photograph 1 - SW-1



Photograph 2 – SW-2 (Dry)



P.O. BOX 25 Summerville, South Carolina 29484  
[www.terryenvironmental.com](http://www.terryenvironmental.com)

**SURFACE WATER SAMPLING  
PHOTOGRAPHS 1 & 2  
MARUTI KUNDAL (FORMER WINDSOR MART)  
820 CHESTERFIELD HIGHWAY  
CHERAW, SOUTH CAROLINA  
SCDHEC UST PERMIT #02314  
Terry Project #2171.90**





**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 17 / 23</u>  <b>Time:</b> <u>1145</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14694    **Expiration Date:** 08/24/2023

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.02</u>	$\pm 0.02$
Conductivity: 4.49 mS/cm	<u>4.46</u> mS/cm	$\pm 0.03$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>19.2</u> °C	<u>19.6</u> °C	$\pm 0.4$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
 2171.90

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 17 / 23</u> <b>Time:</b> <u>1545</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14694    **Expiration Date:** 08/24/2023

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.06</u>	± <u>0.06</u>
Conductivity: 4.49 mS/cm	<u>4.48</u> mS/cm	± <u>0.01</u> mS/cm
Turbidity: 0.0 NTU	<u>2.0</u> NTU	± <u>2.0</u> NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>21.4</u> °C	<u>22.0</u> °C	± <u>0.6</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
217.90

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 17 / 23</u> <b>Time:</b> <u>1730</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14694    **Expiration Date:** 08/24/2023

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.04</u>	$\pm 0.04$
Conductivity: 4.49 mS/cm	<u>4.56</u> mS/cm	$\pm 0.07$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>21.6</u> °C	<u>22.0</u> °C	$\pm 0.4$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

*Maruti Kundal*  
*217190*

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**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 18 / 23</u> <b>Time:</b> <u>0815</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14694</u>	<b>Expiration Date:</b> <u>08/24/2023</u>												
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Solution Value</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Instrument Reading</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Accuracy</u></th> </tr> </thead> <tbody> <tr> <td>pH: 4.00</td> <td><u>4.07</u></td> <td><math>\pm 0.07</math></td> </tr> <tr> <td>Conductivity: 4.49 mS/cm</td> <td><u>4.55</u> mS/cm</td> <td><math>\pm 0.06</math> mS/cm</td> </tr> <tr> <td>Turbidity: 0.0 NTU</td> <td><u>0.0</u> NTU</td> <td><math>\pm 0.0</math> NTU</td> </tr> </tbody> </table>	<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>	pH: 4.00	<u>4.07</u>	$\pm 0.07$	Conductivity: 4.49 mS/cm	<u>4.55</u> mS/cm	$\pm 0.06$ mS/cm	Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU		
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>												
pH: 4.00	<u>4.07</u>	$\pm 0.07$												
Conductivity: 4.49 mS/cm	<u>4.55</u> mS/cm	$\pm 0.06$ mS/cm												
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU												

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>16.7</u> °C	<u>16.6</u> °C	$\pm 0.1$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^{\circ}\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2171.90

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 18 / 23</u> <b>Time:</b> <u>1215</u>	<b>Inspector(s):</b> <u>LJ</u>
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**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14694    **Expiration Date:** 08/24/2023

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.09</u>	$\pm 0.09$
Conductivity: 4.49 mS/cm	<u>4.55</u> mS/cm	$\pm 0.06$ mS/cm
Turbidity: 0.0 NTU	<u>1.2</u> NTU	$\pm 1.2$ NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>22.0</u> °C	<u>21.9</u> °C	$\pm 0.1$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^{\circ}\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
217190

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 18 / 23</u>	<b>Inspector(s):</b> <u>LJ</u>
	<b>Time:</b> <u>1615</u>	

**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14694    **Expiration Date:** 08/24/2023

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.00</u>	± <u>0.00</u>
Conductivity: 4.49 mS/cm	<u>4.49</u> mS/cm	± <u>0.01</u> mS/cm
Turbidity: 0.0 NTU	<u>1.5</u> NTU	± <u>1.5</u> NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>23.2</u> °C	<u>23.6</u> °C	± <u>0.4</u> °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2171.90

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**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 18 / 23</u>  <b>Time:</b> <u>1715</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14694</u>	<b>Expiration Date:</b> <u>08/24/2023</u>
<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.00</u>	$\pm 0.00$
Conductivity: 4.49 mS/cm	<u>4.52</u> mS/cm	$\pm 0.03$ mS/cm
Turbidity: 0.0 NTU	<u>0.8</u> NTU	$\pm 0.8$ NTU

<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer: <u>23.0</u> °C	<u>23.2</u> °C	$\pm 0.2$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Maruti Kundal  
2171.90

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**HORIBA U-52-2 DAILY CALIBRATION DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4/19/23</u>	<b>Inspector(s):</b> <u>LJ</u>
	<b>Time:</b> <u>0830</u>	

**Solution Manufacturer:** Eastern Solutions    **Lot Number:** 14694    **Expiration Date:** 08/24/2023

<u>Solution Value</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
pH: 4.00	<u>4.02</u>	$\pm 0.02$
Conductivity: 4.49 mS/cm	<u>4.48</u> mS/cm	$\pm 0.01$ mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	$\pm 0.0$ NTU

	<u>Standard Reading</u>	<u>Instrument Reading</u>	<u>Accuracy</u>
NIST-Traceable Thermometer:	<u>18.0</u> °C	<u>18.6</u> °C	$\pm 0.6$ °C

**QAPP Acceptance Criteria**

<u>Field Parameter</u>	<u>Accuracy</u>
Temperature _____	$\pm 1^\circ\text{C}$ against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	$\pm 0.2$ pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Drinking Water \_\_\_\_\_ Maruti Kundal  
 \_\_\_\_\_ 217690  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





**HORIBA U-52-2 VERIFICATION CHECK DATA SHEET**

<b>Serial Number:</b> <u>J6RAKC0E/VPTPGA3X</u> <u>T13E334F/V3KNWUE9</u>	<b>Date:</b> <u>4 / 19 / 23</u>  <b>Time:</b> <u>0915</u>	<b>Inspector(s):</b> <u>LJ</u>
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<b>Solution Manufacturer:</b> <u>Eastern Solutions</u>	<b>Lot Number:</b> <u>14694</u>	<b>Expiration Date:</b> <u>08/24/2023</u>
<u><i>Solution Value</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
pH: 4.00	<u>4.03</u>	± <u>0.03</u>
Conductivity: 4.49 mS/cm	<u>4.47</u> mS/cm	± <u>0.02</u> mS/cm
Turbidity: 0.0 NTU	<u>0.0</u> NTU	± <u>0.0</u> NTU

<u><i>Standard Reading</i></u>	<u><i>Instrument Reading</i></u>	<u><i>Accuracy</i></u>
NIST-Traceable Thermometer: <u>18.0</u> °C	<u>18.1</u> °C	± <u>0.1</u> °C

**QAPP Acceptance Criteria**

<u><i>Field Parameter</i></u>	<u><i>Accuracy</i></u>
Temperature _____	±1°C against an NIST-traceable thermometer
Specific Conductance _____	10% of each standard used
pH _____	±0.2 pH units of stated buffer value
Turbidity _____	10% of each standard used

**Inspector's Maintenance Notes**

Drinking Water Maruti Kundal  
2171.90

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April 27, 2023

Kelly Cone  
Terry Environmental Services, Inc.  
P.O. Box 25  
Summerville, SC 29484

RE: Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Dear Kelly Cone:

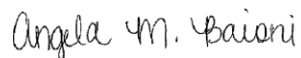
Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angela Baioni  
angela.baioni@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

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### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92663348001	02314 FB-1	Water	04/17/23 11:40	04/20/23 09:45
92663348002	02314 MW-18	Water	04/17/23 11:53	04/20/23 09:45
92663348003	02314 MW-17	Water	04/17/23 12:00	04/20/23 09:45
92663348004	02314 MW-16	Water	04/17/23 12:20	04/20/23 09:45
92663348005	02314 MW-28	Water	04/17/23 12:38	04/20/23 09:45
92663348006	02314 MW-26	Water	04/17/23 12:55	04/20/23 09:45
92663348007	02314 MW-29	Water	04/17/23 13:06	04/20/23 09:45
92663348008	02314 DW-3	Water	04/17/23 13:40	04/20/23 09:45
92663348009	02314 DW-2	Water	04/17/23 14:25	04/20/23 09:45
92663348010	02314 MW-21	Water	04/17/23 14:37	04/20/23 09:45
92663348011	02314 MW-22	Water	04/17/23 14:49	04/20/23 09:45
92663348012	02314 MW-11	Water	04/17/23 15:30	04/20/23 09:45
92663348013	02314 MW-10	Water	04/17/23 15:38	04/20/23 09:45
92663348014	02314 MW-9	Water	04/17/23 15:56	04/20/23 09:45
92663348015	02314 MW-5	Water	04/17/23 16:15	04/20/23 09:45
92663348016	02314 DW-1	Water	04/17/23 16:49	04/20/23 09:45
92663348017	02314 MW-6	Water	04/17/23 17:13	04/20/23 09:45
92663348018	02314 FB-2	Water	04/18/23 08:00	04/20/23 09:45
92663348019	02314 SW-1	Water	04/18/23 08:29	04/20/23 09:45
92663348020	02314 MW-3	Water	04/18/23 08:46	04/20/23 09:45
92663348021	02314 RW-3	Water	04/18/23 09:00	04/20/23 09:45
92663348022	02314 MW-12	Water	04/18/23 09:29	04/20/23 09:45
92663348023	02314 MW-30	Water	04/18/23 09:53	04/20/23 09:45
92663348024	02314 MW-25	Water	04/18/23 10:15	04/20/23 09:45
92663348025	02314 MW-23	Water	04/18/23 10:58	04/20/23 09:45
92663348026	02314 MW-8	Water	04/18/23 11:11	04/20/23 09:45
92663348027	02314 RW-1	Water	04/18/23 11:29	04/20/23 09:45
92663348028	02314 MW-15	Water	04/18/23 11:45	04/20/23 09:45
92663348029	02314 MW-7	Water	04/18/23 12:02	04/20/23 09:45
92663348030	02314 MW-2R	Water	04/18/23 12:21	04/20/23 09:45
92663348031	02314 RW-2	Water	04/18/23 12:37	04/20/23 09:45
92663348032	02314 DUP-1	Water	04/18/23 12:39	04/20/23 09:45
92663348033	02314 RW-5	Water	04/18/23 14:22	04/20/23 09:45
92663348034	02314 MW-13	Water	04/18/23 14:40	04/20/23 09:45
92663348035	02314 MW-20	Water	04/18/23 15:03	04/20/23 09:45
92663348036	02314 MW-24	Water	04/18/23 15:25	04/20/23 09:45
92663348037	02314 DUP-2	Water	04/18/23 15:27	04/20/23 09:45

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92663348038	02314 MW-14	Water	04/18/23 15:47	04/20/23 09:45
92663348039	02314 MW-27	Water	04/18/23 16:00	04/20/23 09:45
92663348040	02314 MW-1	Water	04/18/23 16:24	04/20/23 09:45
92663348041	02314 MW-4	Water	04/18/23 16:31	04/20/23 09:45
92663348042	02314 MW-19	Water	04/18/23 16:44	04/20/23 09:45
92663348043	02314 RW-4	Water	04/18/23 17:00	04/20/23 09:45
92663348044	02314 TRIP BLANK	Water		04/20/23 09:45
92663348045	02314 TRIP BLANK	Water		04/20/23 09:45

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### SAMPLE ANALYTE COUNT

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92663348001	02314 FB-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348002	02314 MW-18	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348003	02314 MW-17	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348004	02314 MW-16	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348005	02314 MW-28	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348006	02314 MW-26	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348007	02314 MW-29	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348008	02314 DW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348009	02314 DW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348010	02314 MW-21	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348011	02314 MW-22	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348012	02314 MW-11	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348013	02314 MW-10	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348014	02314 MW-9	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348015	02314 MW-5	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348016	02314 DW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348017	02314 MW-6	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348018	02314 FB-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348019	02314 SW-1	EPA 8011	HH	2	PASI-C

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92663348020	02314 MW-3	EPA 8260D	CL	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348021	02314 RW-3	EPA 8260D	TMH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348022	02314 MW-12	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348023	02314 MW-30	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348024	02314 MW-25	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348025	02314 MW-23	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348026	02314 MW-8	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348027	02314 RW-1	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348028	02314 MW-15	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348029	02314 MW-7	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348030	02314 MW-2R	EPA 8260D	CL	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348031	02314 RW-2	EPA 8260D	CL	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348032	02314 DUP-1	EPA 8260D	CL	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348033	02314 RW-5	EPA 8260D	CL	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348034	02314 MW-13	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348035	02314 MW-20	EPA 8260D	TMH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348036	02314 MW-24	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92663348037	02314 DUP-2	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92663348038	02314 MW-14	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348039	02314 MW-27	EPA 8011	HH	2	PASI-C
		EPA 8260D	CL	20	PASI-C
92663348040	02314 MW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92663348041	02314 MW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348042	02314 MW-19	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348043	02314 RW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92663348044	02314 TRIP BLANK	EPA 8260D	LMB	20	PASI-C
92663348045	02314 TRIP BLANK	EPA 8260D	LMB	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 FB-1		Lab ID: 92663348001		Collected: 04/17/23 11:40		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/25/23 23:03	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	04/25/23 09:49	04/25/23 23:03	301-79-56	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/25/23 09:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/25/23 09:03	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/25/23 09:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/25/23 09:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/25/23 09:03	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/25/23 09:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/25/23 09:03	107-06-2	v2
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/25/23 09:03	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/25/23 09:03	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/25/23 09:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/25/23 09:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/25/23 09:03	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/25/23 09:03	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/25/23 09:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/25/23 09:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/25/23 09:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/25/23 09:03	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/25/23 09:03	460-00-4	
1,2-Dichloroethane-d4 (S)	80	%	70-130		1		04/25/23 09:03	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/25/23 09:03	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-18      Lab ID: 92663348002      Collected: 04/17/23 11:53      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 23:13	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	04/25/23 09:49	04/25/23 23:13	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/25/23 10:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/25/23 10:15	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/25/23 10:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/25/23 10:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/25/23 10:15	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/25/23 10:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/25/23 10:15	107-06-2	v2
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/25/23 10:15	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/25/23 10:15	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/25/23 10:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/25/23 10:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/25/23 10:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/25/23 10:15	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/25/23 10:15	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/25/23 10:15	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/25/23 10:15	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/25/23 10:15	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/25/23 10:15	460-00-4	
1,2-Dichloroethane-d4 (S)	80	%	70-130		1		04/25/23 10:15	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/25/23 10:15	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

Sample: 02314 MW-17		Lab ID: 92663348003		Collected: 04/17/23 12:00		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 23:24	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	04/25/23 09:49	04/25/23 23:24	301-79-56	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 00:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 00:33	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 00:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 00:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 00:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 00:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 00:33	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 00:33	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 00:33	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 00:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 00:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 00:33	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 00:33	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 00:33	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 00:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 00:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 00:33	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 00:33	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/26/23 00:33	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 00:33	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-16      Lab ID: 92663348004      Collected: 04/17/23 12:20      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/25/23 23:35	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	04/25/23 09:49	04/25/23 23:35	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 00:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 00:51	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 00:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 00:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 00:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 00:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 00:51	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 00:51	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 00:51	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 00:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 00:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 00:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 00:51	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 00:51	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 00:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 00:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 00:51	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 00:51	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/26/23 00:51	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 00:51	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-28      Lab ID: 92663348005      Collected: 04/17/23 12:38      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/25/23 23:46	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	04/25/23 09:49	04/25/23 23:46	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 22:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 22:32	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 22:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 22:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 22:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 22:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 22:32	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 22:32	108-20-3	L1,v1
Ethanol	ND	ug/L	200	72.2	1		04/26/23 22:32	64-17-5	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 22:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 22:32	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 22:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 22:32	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 22:32	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 22:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 22:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 22:32	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/26/23 22:32	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/26/23 22:32	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/26/23 22:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-26		Lab ID: 92663348006		Collected: 04/17/23 12:55		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/25/23 23:56	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	04/25/23 09:49	04/25/23 23:56	301-79-56	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 01:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 01:10	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 01:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 01:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 01:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 01:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 01:10	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 01:10	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 01:10	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 01:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 01:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 01:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 01:10	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 01:10	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 01:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 01:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 01:10	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/26/23 01:10	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/26/23 01:10	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 01:10	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-29      Lab ID: 92663348007      Collected: 04/17/23 13:06      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/26/23 00:07	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	04/25/23 09:49	04/26/23 00:07	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 01:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 01:28	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 01:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 01:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 01:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 01:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 01:28	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 01:28	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 01:28	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 01:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 01:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 01:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 01:28	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 01:28	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 01:28	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 01:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 01:28	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/26/23 01:28	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/26/23 01:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 01:28	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 DW-3      Lab ID: 92663348008      Collected: 04/17/23 13:40      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0073	1	04/25/23 09:49	04/26/23 00:17	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	04/25/23 09:49	04/26/23 00:17	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 22:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 22:50	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 22:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 22:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 22:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 22:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 22:50	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 22:50	108-20-3	L1,v1
Ethanol	ND	ug/L	200	72.2	1		04/26/23 22:50	64-17-5	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 22:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 22:50	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 22:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 22:50	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 22:50	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 22:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 22:50	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 22:50	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/26/23 22:50	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/26/23 22:50	17060-07-0	
Toluene-d8 (S)	126	%	70-130		1		04/26/23 22:50	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 DW-2		Lab ID: 92663348009		Collected: 04/17/23 14:25		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/26/23 00:28	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	04/25/23 09:49	04/26/23 00:28	301-79-56	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 01:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 01:46	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 01:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 01:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 01:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 01:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 01:46	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 01:46	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 01:46	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 01:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 01:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 01:46	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 01:46	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 01:46	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 01:46	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 01:46	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 01:46	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 01:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/26/23 01:46	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 01:46	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-21		Lab ID: 92663348010		Collected: 04/17/23 14:37		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/26/23 00:39	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	04/25/23 09:49	04/26/23 00:39	301-79-56	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 02:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 02:04	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 02:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 02:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 02:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 02:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 02:04	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 02:04	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 02:04	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 02:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 02:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 02:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 02:04	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 02:04	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 02:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 02:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 02:04	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/23 02:04	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/26/23 02:04	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/26/23 02:04	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-22      Lab ID: 92663348011      Collected: 04/17/23 14:49      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/26/23 00:50	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	04/25/23 09:49	04/26/23 00:50	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 02:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 02:23	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 02:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 02:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 02:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 02:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 02:23	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 02:23	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 02:23	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 02:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 02:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 02:23	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 02:23	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 02:23	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 02:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 02:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 02:23	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 02:23	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/26/23 02:23	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 02:23	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-11      Lab ID: 92663348012      Collected: 04/17/23 15:30      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/26/23 01:00	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	04/25/23 09:49	04/26/23 01:00	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 02:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 02:41	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 02:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 02:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 02:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 02:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 02:41	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 02:41	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 02:41	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 02:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 02:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 02:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 02:41	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 02:41	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 02:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 02:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 02:41	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 02:41	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/26/23 02:41	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 02:41	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-10      Lab ID: 92663348013      Collected: 04/17/23 15:38      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0073	1	04/25/23 09:49	04/26/23 01:11	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	04/25/23 09:49	04/26/23 01:11	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 02:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 02:59	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 02:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 02:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 02:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 02:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 02:59	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 02:59	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 02:59	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 02:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 02:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 02:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 02:59	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 02:59	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 02:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 02:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 02:59	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 02:59	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/26/23 02:59	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 02:59	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-9      Lab ID: 92663348014      Collected: 04/17/23 15:56      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/26/23 01:22	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	04/25/23 09:49	04/26/23 01:22	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 03:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 03:18	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 03:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 03:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 03:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 03:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 03:18	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 03:18	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 03:18	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 03:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 03:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 03:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 03:18	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 03:18	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 03:18	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 03:18	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 03:18	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/26/23 03:18	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/26/23 03:18	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 03:18	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-5      Lab ID: 92663348015      Collected: 04/17/23 16:15      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/26/23 01:32	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	89	%	60-140		1	04/25/23 09:49	04/26/23 01:32	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 03:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 03:36	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 03:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 03:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 03:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 03:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 03:36	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 03:36	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 03:36	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 03:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 03:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 03:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 03:36	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 03:36	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 03:36	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 03:36	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 03:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/26/23 03:36	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/26/23 03:36	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 03:36	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 DW-1		Lab ID: 92663348016		Collected: 04/17/23 16:49	Received: 04/20/23 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/26/23 01:43	106-93-4		
<b>Surrogates</b>										
1-Chloro-2-bromopropane (S)	92	%	60-140		1	04/25/23 09:49	04/26/23 01:43	301-79-56		
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 23:08	75-85-4		
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 23:08	994-05-8		
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 23:08	71-43-2		
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 23:08	624-95-3		
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 23:08	75-65-0		
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 23:08	762-75-4		
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 23:08	107-06-2		
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 23:08	108-20-3	L1,v1	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 23:08	64-17-5	v1	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 23:08	100-41-4		
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 23:08	637-92-3	v1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 23:08	1634-04-4		
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 23:08	91-20-3		
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 23:08	108-88-3		
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 23:08	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 23:08	179601-23-1		
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 23:08	95-47-6		
<b>Surrogates</b>										
4-Bromofluorobenzene (S)	98	%	70-130		1		04/26/23 23:08	460-00-4		
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/26/23 23:08	17060-07-0		
Toluene-d8 (S)	125	%	70-130		1		04/26/23 23:08	2037-26-5		

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-6      Lab ID: 92663348017      Collected: 04/17/23 17:13      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 13:36	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	04/25/23 09:49	04/25/23 13:36	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 03:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 03:54	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 03:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 03:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 03:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 03:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 03:54	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 03:54	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 03:54	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 03:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 03:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 03:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 03:54	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 03:54	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 03:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 03:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 03:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 03:54	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/26/23 03:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 03:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 FB-2      Lab ID: 92663348018      Collected: 04/18/23 08:00      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/25/23 13:47	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	04/25/23 09:49	04/25/23 13:47	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/25/23 09:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/25/23 09:21	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/25/23 09:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/25/23 09:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/25/23 09:21	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/25/23 09:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/25/23 09:21	107-06-2	v2
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/25/23 09:21	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/25/23 09:21	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/25/23 09:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/25/23 09:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/25/23 09:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/25/23 09:21	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/25/23 09:21	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/25/23 09:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/25/23 09:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/25/23 09:21	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/25/23 09:21	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-130		1		04/25/23 09:21	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/25/23 09:21	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 SW-1		Lab ID: 92663348019		Collected: 04/18/23 08:29	Received: 04/20/23 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 13:58	106-93-4		
<b>Surrogates</b>										
1-Chloro-2-bromopropane (S)	105	%	60-140		1	04/25/23 09:49	04/25/23 13:58	301-79-56		
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 04:13	75-85-4		
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 04:13	994-05-8		
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 04:13	71-43-2		
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 04:13	624-95-3		
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 04:13	75-65-0		
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 04:13	762-75-4		
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 04:13	107-06-2		
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 04:13	108-20-3		
Ethanol	ND	ug/L	200	72.2	1		04/26/23 04:13	64-17-5		
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 04:13	100-41-4		
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 04:13	637-92-3		
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 04:13	1634-04-4		
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 04:13	91-20-3		
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 04:13	108-88-3		
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 04:13	1330-20-7		
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 04:13	179601-23-1		
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 04:13	95-47-6		
<b>Surrogates</b>										
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 04:13	460-00-4		
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/26/23 04:13	17060-07-0		
Toluene-d8 (S)	102	%	70-130		1		04/26/23 04:13	2037-26-5		

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-3      Lab ID: 92663348020      Collected: 04/18/23 08:46      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0072	1	04/25/23 09:49	04/25/23 14:19	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/25/23 09:49	04/25/23 14:19	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	250	91.0	2.5		04/27/23 00:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	6.6	2.5		04/27/23 00:38	994-05-8	
Benzene	63.2	ug/L	2.5	0.86	2.5		04/27/23 00:38	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	250	130	2.5		04/27/23 00:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	67.0	2.5		04/27/23 00:38	75-65-0	
tert-Butyl Formate	ND	ug/L	125	73.5	2.5		04/27/23 00:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		04/27/23 00:38	107-06-2	
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5		04/27/23 00:38	108-20-3	v1
Ethanol	ND	ug/L	500	180	2.5		04/27/23 00:38	64-17-5	v1
Ethylbenzene	20.3	ug/L	2.5	0.76	2.5		04/27/23 00:38	100-41-4	M1
Ethyl-tert-butyl ether	ND	ug/L	25.0	8.1	2.5		04/27/23 00:38	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	2.5	1.1	2.5		04/27/23 00:38	1634-04-4	
Naphthalene	10.6	ug/L	2.5	1.6	2.5		04/27/23 00:38	91-20-3	
Toluene	172	ug/L	2.5	1.2	2.5		04/27/23 00:38	108-88-3	M1
Xylene (Total)	301	ug/L	2.5	0.84	2.5		04/27/23 00:38	1330-20-7	MS
m&p-Xylene	202	ug/L	5.0	1.8	2.5		04/27/23 00:38	179601-23-1	M1
o-Xylene	99.6	ug/L	2.5	0.84	2.5		04/27/23 00:38	95-47-6	M1
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		2.5		04/27/23 00:38	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		2.5		04/27/23 00:38	17060-07-0	
Toluene-d8 (S)	82	%	70-130		2.5		04/27/23 00:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 RW-3      Lab ID: 92663348021      Collected: 04/18/23 09:00      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/25/23 14:51	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/25/23 09:49	04/25/23 14:51	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	200	72.8	2		04/27/23 01:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	5.3	2		04/27/23 01:32	994-05-8	
Benzene	67.5	ug/L	2.0	0.69	2		04/27/23 01:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	104	2		04/27/23 01:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	53.6	2		04/27/23 01:32	75-65-0	
tert-Butyl Formate	ND	ug/L	100	58.8	2		04/27/23 01:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.0	0.64	2		04/27/23 01:32	107-06-2	
Diisopropyl ether	ND	ug/L	2.0	0.62	2		04/27/23 01:32	108-20-3	L1,v1
Ethanol	ND	ug/L	400	144	2		04/27/23 01:32	64-17-5	v1
Ethylbenzene	10.2	ug/L	2.0	0.61	2		04/27/23 01:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	6.5	2		04/27/23 01:32	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	2.0	0.84	2		04/27/23 01:32	1634-04-4	
Naphthalene	7.2	ug/L	2.0	1.3	2		04/27/23 01:32	91-20-3	
Toluene	127	ug/L	2.0	0.97	2		04/27/23 01:32	108-88-3	
Xylene (Total)	236	ug/L	2.0	0.68	2		04/27/23 01:32	1330-20-7	
m&p-Xylene	150	ug/L	4.0	1.4	2		04/27/23 01:32	179601-23-1	
o-Xylene	86.7	ug/L	2.0	0.68	2		04/27/23 01:32	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	115	%	70-130		2		04/27/23 01:32	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		2		04/27/23 01:32	17060-07-0	
Toluene-d8 (S)	78	%	70-130		2		04/27/23 01:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-12      Lab ID: 92663348022      Collected: 04/18/23 09:29      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 15:02	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	04/25/23 09:49	04/25/23 15:02	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	169	ug/L	100	36.4	1		04/26/23 23:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 23:26	994-05-8	
Benzene	2.8	ug/L	1.0	0.34	1		04/26/23 23:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 23:26	624-95-3	
tert-Butyl Alcohol	91.9J	ug/L	100	26.8	1		04/26/23 23:26	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 23:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 23:26	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 23:26	108-20-3	L1,v1
Ethanol	ND	ug/L	200	72.2	1		04/26/23 23:26	64-17-5	v1
Ethylbenzene	1.7	ug/L	1.0	0.30	1		04/26/23 23:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 23:26	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 23:26	1634-04-4	
Naphthalene	0.69J	ug/L	1.0	0.64	1		04/26/23 23:26	91-20-3	
Toluene	0.55J	ug/L	1.0	0.48	1		04/26/23 23:26	108-88-3	
Xylene (Total)	1.1	ug/L	1.0	0.34	1		04/26/23 23:26	1330-20-7	
m&p-Xylene	1.1J	ug/L	2.0	0.71	1		04/26/23 23:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 23:26	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/26/23 23:26	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130		1		04/26/23 23:26	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		04/26/23 23:26	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-30      Lab ID: 92663348023      Collected: 04/18/23 09:53      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 15:12	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	04/25/23 09:49	04/25/23 15:12	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	715	ug/L	250	91.0	2.5		04/27/23 01:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	6.6	2.5		04/27/23 01:50	994-05-8	
Benzene	287	ug/L	2.5	0.86	2.5		04/27/23 01:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	130	2.5		04/27/23 01:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	67.0	2.5		04/27/23 01:50	75-65-0	
tert-Butyl Formate	ND	ug/L	125	73.5	2.5		04/27/23 01:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	2.5	0.80	2.5		04/27/23 01:50	107-06-2	
Diisopropyl ether	ND	ug/L	2.5	0.77	2.5		04/27/23 01:50	108-20-3	L1,v1
Ethanol	ND	ug/L	500	180	2.5		04/27/23 01:50	64-17-5	v1
Ethylbenzene	22.6	ug/L	2.5	0.76	2.5		04/27/23 01:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	8.1	2.5		04/27/23 01:50	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	2.5	1.1	2.5		04/27/23 01:50	1634-04-4	
Naphthalene	10.5	ug/L	2.5	1.6	2.5		04/27/23 01:50	91-20-3	
Toluene	50.9	ug/L	2.5	1.2	2.5		04/27/23 01:50	108-88-3	
Xylene (Total)	53.5	ug/L	2.5	0.84	2.5		04/27/23 01:50	1330-20-7	
m&p-Xylene	47.5	ug/L	5.0	1.8	2.5		04/27/23 01:50	179601-23-1	
o-Xylene	6.0	ug/L	2.5	0.84	2.5		04/27/23 01:50	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		2.5		04/27/23 01:50	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		2.5		04/27/23 01:50	17060-07-0	
Toluene-d8 (S)	121	%	70-130		2.5		04/27/23 01:50	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

Sample: 02314 MW-25		Lab ID: 92663348024		Collected: 04/18/23 10:15		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0076	1	04/25/23 09:49	04/25/23 15:23	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/25/23 09:49	04/25/23 15:23	301-79-56	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	261	ug/L	100	36.4	1		04/26/23 23:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 23:44	994-05-8	
Benzene	42.8	ug/L	1.0	0.34	1		04/26/23 23:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 23:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 23:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 23:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 23:44	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 23:44	108-20-3	L1,v1
Ethanol	ND	ug/L	200	72.2	1		04/26/23 23:44	64-17-5	v1
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 23:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 23:44	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 23:44	1634-04-4	
Naphthalene	0.68J	ug/L	1.0	0.64	1		04/26/23 23:44	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 23:44	108-88-3	
Xylene (Total)	4.9	ug/L	1.0	0.34	1		04/26/23 23:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 23:44	179601-23-1	
o-Xylene	4.9	ug/L	1.0	0.34	1		04/26/23 23:44	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	124	%	70-130		1		04/26/23 23:44	460-00-4	
1,2-Dichloroethane-d4 (S)	120	%	70-130		1		04/26/23 23:44	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/26/23 23:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-23      Lab ID: 92663348025      Collected: 04/18/23 10:58      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 15:34	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	04/25/23 09:49	04/25/23 15:34	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	1060	ug/L	500	182	5		04/27/23 03:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		04/27/23 03:37	994-05-8	
Benzene	266	ug/L	5.0	1.7	5		04/27/23 03:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		04/27/23 03:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		04/27/23 03:37	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		04/27/23 03:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		04/27/23 03:37	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.5	5		04/27/23 03:37	108-20-3	L1,v1
Ethanol	ND	ug/L	1000	361	5		04/27/23 03:37	64-17-5	v1
Ethylbenzene	99.5	ug/L	5.0	1.5	5		04/27/23 03:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		04/27/23 03:37	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	5.0	2.1	5		04/27/23 03:37	1634-04-4	
Naphthalene	29.4	ug/L	5.0	3.2	5		04/27/23 03:37	91-20-3	
Toluene	678	ug/L	5.0	2.4	5		04/27/23 03:37	108-88-3	
Xylene (Total)	409	ug/L	5.0	1.7	5		04/27/23 03:37	1330-20-7	
m&p-Xylene	238	ug/L	10.0	3.5	5		04/27/23 03:37	179601-23-1	
o-Xylene	171	ug/L	5.0	1.7	5		04/27/23 03:37	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	70	%	70-130		5		04/27/23 03:37	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		5		04/27/23 03:37	17060-07-0	
Toluene-d8 (S)	101	%	70-130		5		04/27/23 03:37	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-8      Lab ID: 92663348026      Collected: 04/18/23 11:11      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0073	1	04/25/23 09:49	04/25/23 15:44	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	04/25/23 09:49	04/25/23 15:44	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	<b>1240</b>	ug/L	100	36.4	1		04/27/23 00:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/27/23 00:20	994-05-8	
Benzene	<b>116</b>	ug/L	1.0	0.34	1		04/27/23 00:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/27/23 00:20	624-95-3	
tert-Butyl Alcohol	<b>104</b>	ug/L	100	26.8	1		04/27/23 00:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/27/23 00:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/27/23 00:20	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/27/23 00:20	108-20-3	L1,v1
Ethanol	ND	ug/L	200	72.2	1		04/27/23 00:20	64-17-5	v1
Ethylbenzene	<b>46.8</b>	ug/L	1.0	0.30	1		04/27/23 00:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/27/23 00:20	637-92-3	v1
Methyl-tert-butyl ether	<b>0.48J</b>	ug/L	1.0	0.42	1		04/27/23 00:20	1634-04-4	
Naphthalene	<b>7.0</b>	ug/L	1.0	0.64	1		04/27/23 00:20	91-20-3	
Toluene	<b>40.3</b>	ug/L	1.0	0.48	1		04/27/23 00:20	108-88-3	
Xylene (Total)	<b>498</b>	ug/L	1.0	0.34	1		04/27/23 00:20	1330-20-7	
m&p-Xylene	<b>320</b>	ug/L	2.0	0.71	1		04/27/23 00:20	179601-23-1	
o-Xylene	<b>179</b>	ug/L	1.0	0.34	1		04/27/23 00:20	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/27/23 00:20	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/27/23 00:20	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/27/23 00:20	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 RW-1      Lab ID: 92663348027      Collected: 04/18/23 11:29      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.76	ug/L	0.020	0.0076	1	04/25/23 09:49	04/25/23 15:55	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	103	%	60-140		1	04/25/23 09:49	04/25/23 15:55	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	20000	7280	200		04/27/23 03:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/27/23 03:55	994-05-8	
Benzene	5110	ug/L	200	69.0	200		04/27/23 03:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/27/23 03:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/27/23 03:55	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/27/23 03:55	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/27/23 03:55	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/27/23 03:55	108-20-3	L1,v1
Ethanol	ND	ug/L	40000	14400	200		04/27/23 03:55	64-17-5	v1
Ethylbenzene	1760	ug/L	200	60.8	200		04/27/23 03:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/27/23 03:55	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	200	84.4	200		04/27/23 03:55	1634-04-4	
Naphthalene	915	ug/L	200	129	200		04/27/23 03:55	91-20-3	
Toluene	24600	ug/L	200	97.0	200		04/27/23 03:55	108-88-3	
Xylene (Total)	18800	ug/L	200	67.6	200		04/27/23 03:55	1330-20-7	
m&p-Xylene	12800	ug/L	400	142	200		04/27/23 03:55	179601-23-1	
o-Xylene	6050	ug/L	200	67.6	200		04/27/23 03:55	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		200		04/27/23 03:55	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		200		04/27/23 03:55	17060-07-0	
Toluene-d8 (S)	105	%	70-130		200		04/27/23 03:55	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-15      Lab ID: 92663348028      Collected: 04/18/23 11:45      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/25/23 16:05	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	04/25/23 09:49	04/25/23 16:05	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	20000	7280	200		04/27/23 04:13	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/27/23 04:13	994-05-8	
Benzene	2290	ug/L	200	69.0	200		04/27/23 04:13	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/27/23 04:13	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/27/23 04:13	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/27/23 04:13	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/27/23 04:13	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/27/23 04:13	108-20-3	L1,v1
Ethanol	ND	ug/L	40000	14400	200		04/27/23 04:13	64-17-5	v1
Ethylbenzene	2010	ug/L	200	60.8	200		04/27/23 04:13	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/27/23 04:13	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	200	84.4	200		04/27/23 04:13	1634-04-4	
Naphthalene	485	ug/L	200	129	200		04/27/23 04:13	91-20-3	
Toluene	20200	ug/L	200	97.0	200		04/27/23 04:13	108-88-3	
Xylene (Total)	11800	ug/L	200	67.6	200		04/27/23 04:13	1330-20-7	
m&p-Xylene	7850	ug/L	400	142	200		04/27/23 04:13	179601-23-1	
o-Xylene	3940	ug/L	200	67.6	200		04/27/23 04:13	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	111	%	70-130		200		04/27/23 04:13	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		200		04/27/23 04:13	17060-07-0	
Toluene-d8 (S)	108	%	70-130		200		04/27/23 04:13	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-7      Lab ID: 92663348029      Collected: 04/18/23 12:02      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.086	ug/L	0.019	0.0072	1	04/25/23 09:49	04/25/23 16:16	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	04/25/23 09:49	04/25/23 16:16	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	4220J	ug/L	5000	1820	50		04/26/23 08:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/26/23 08:29	994-05-8	
Benzene	1690	ug/L	50.0	17.2	50		04/26/23 08:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/26/23 08:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/26/23 08:29	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/26/23 08:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/26/23 08:29	107-06-2	
Diisopropyl ether	38.3J	ug/L	50.0	15.4	50		04/26/23 08:29	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/26/23 08:29	64-17-5	
Ethylbenzene	1360	ug/L	50.0	15.2	50		04/26/23 08:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/26/23 08:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/26/23 08:29	1634-04-4	
Naphthalene	417	ug/L	50.0	32.2	50		04/26/23 08:29	91-20-3	
Toluene	5350	ug/L	50.0	24.2	50		04/26/23 08:29	108-88-3	
Xylene (Total)	5990	ug/L	50.0	16.9	50		04/26/23 08:29	1330-20-7	
m&p-Xylene	4010	ug/L	100	35.4	50		04/26/23 08:29	179601-23-1	
o-Xylene	1980	ug/L	50.0	16.9	50		04/26/23 08:29	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		50		04/26/23 08:29	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		50		04/26/23 08:29	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		04/26/23 08:29	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-2R      Lab ID: 92663348030      Collected: 04/18/23 12:21      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 16:27	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/25/23 09:49	04/25/23 16:27	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	5000	1820	50		04/26/23 08:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/26/23 08:47	994-05-8	
Benzene	1240	ug/L	50.0	17.2	50		04/26/23 08:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/26/23 08:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/26/23 08:47	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/26/23 08:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/26/23 08:47	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/26/23 08:47	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/26/23 08:47	64-17-5	
Ethylbenzene	1910	ug/L	50.0	15.2	50		04/26/23 08:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/26/23 08:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/26/23 08:47	1634-04-4	
Naphthalene	745	ug/L	50.0	32.2	50		04/26/23 08:47	91-20-3	
Toluene	7220	ug/L	50.0	24.2	50		04/26/23 08:47	108-88-3	
Xylene (Total)	9960	ug/L	50.0	16.9	50		04/26/23 08:47	1330-20-7	
m&p-Xylene	6660	ug/L	100	35.4	50		04/26/23 08:47	179601-23-1	
o-Xylene	3300	ug/L	50.0	16.9	50		04/26/23 08:47	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		50		04/26/23 08:47	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		50		04/26/23 08:47	17060-07-0	
Toluene-d8 (S)	99	%	70-130		50		04/26/23 08:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 RW-2      Lab ID: 92663348031      Collected: 04/18/23 12:37      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0076	1	04/25/23 09:49	04/25/23 16:37	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/25/23 09:49	04/25/23 16:37	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	6540	ug/L	5000	1820	50		04/26/23 09:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/26/23 09:05	994-05-8	
Benzene	2410	ug/L	50.0	17.2	50		04/26/23 09:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/26/23 09:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/26/23 09:05	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/26/23 09:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/26/23 09:05	107-06-2	
Diisopropyl ether	92.0	ug/L	50.0	15.4	50		04/26/23 09:05	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/26/23 09:05	64-17-5	
Ethylbenzene	546	ug/L	50.0	15.2	50		04/26/23 09:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/26/23 09:05	637-92-3	
Methyl-tert-butyl ether	27.8J	ug/L	50.0	21.1	50		04/26/23 09:05	1634-04-4	
Naphthalene	370	ug/L	50.0	32.2	50		04/26/23 09:05	91-20-3	
Toluene	4970	ug/L	50.0	24.2	50		04/26/23 09:05	108-88-3	
Xylene (Total)	6580	ug/L	50.0	16.9	50		04/26/23 09:05	1330-20-7	
m&p-Xylene	4400	ug/L	100	35.4	50		04/26/23 09:05	179601-23-1	
o-Xylene	2170	ug/L	50.0	16.9	50		04/26/23 09:05	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		50		04/26/23 09:05	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		50		04/26/23 09:05	17060-07-0	
Toluene-d8 (S)	101	%	70-130		50		04/26/23 09:05	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 DUP-1      Lab ID: 92663348032      Collected: 04/18/23 12:39      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 09:49	04/25/23 16:48	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/25/23 09:49	04/25/23 16:48	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	5760	ug/L	5000	1820	50		04/26/23 09:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/26/23 09:24	994-05-8	
Benzene	2470	ug/L	50.0	17.2	50		04/26/23 09:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/26/23 09:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/26/23 09:24	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/26/23 09:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/26/23 09:24	107-06-2	
Diisopropyl ether	87.6	ug/L	50.0	15.4	50		04/26/23 09:24	108-20-3	
Ethanol	ND	ug/L	10000	3610	50		04/26/23 09:24	64-17-5	
Ethylbenzene	553	ug/L	50.0	15.2	50		04/26/23 09:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/26/23 09:24	637-92-3	
Methyl-tert-butyl ether	25.2J	ug/L	50.0	21.1	50		04/26/23 09:24	1634-04-4	
Naphthalene	376	ug/L	50.0	32.2	50		04/26/23 09:24	91-20-3	
Toluene	5050	ug/L	50.0	24.2	50		04/26/23 09:24	108-88-3	
Xylene (Total)	7000	ug/L	50.0	16.9	50		04/26/23 09:24	1330-20-7	
m&p-Xylene	4710	ug/L	100	35.4	50		04/26/23 09:24	179601-23-1	
o-Xylene	2280	ug/L	50.0	16.9	50		04/26/23 09:24	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		50		04/26/23 09:24	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		50		04/26/23 09:24	17060-07-0	
Toluene-d8 (S)	101	%	70-130		50		04/26/23 09:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 RW-5      Lab ID: 92663348033      Collected: 04/18/23 14:22      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 16:59	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	04/25/23 09:49	04/25/23 16:59	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	5000	1820	50		04/27/23 02:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/27/23 02:07	994-05-8	
Benzene	1550	ug/L	50.0	17.2	50		04/27/23 02:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/27/23 02:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/27/23 02:07	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/27/23 02:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/27/23 02:07	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/27/23 02:07	108-20-3	L1,v1
Ethanol	ND	ug/L	10000	3610	50		04/27/23 02:07	64-17-5	v1
Ethylbenzene	1620	ug/L	50.0	15.2	50		04/27/23 02:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/27/23 02:07	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/27/23 02:07	1634-04-4	
Naphthalene	345	ug/L	50.0	32.2	50		04/27/23 02:07	91-20-3	
Toluene	8210	ug/L	50.0	24.2	50		04/27/23 02:07	108-88-3	
Xylene (Total)	8740	ug/L	50.0	16.9	50		04/27/23 02:07	1330-20-7	
m&p-Xylene	5920	ug/L	100	35.4	50		04/27/23 02:07	179601-23-1	
o-Xylene	2830	ug/L	50.0	16.9	50		04/27/23 02:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	70-130		50		04/27/23 02:07	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-130		50		04/27/23 02:07	17060-07-0	
Toluene-d8 (S)	107	%	70-130		50		04/27/23 02:07	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-13      Lab ID: 92663348034      Collected: 04/18/23 14:40      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/25/23 09:49	04/25/23 17:09	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/25/23 09:49	04/25/23 17:09	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	<b>9130J</b>	ug/L	10000	3640	100		04/27/23 13:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		04/27/23 13:19	994-05-8	
Benzene	<b>3290</b>	ug/L	100	34.5	100		04/27/23 13:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		04/27/23 13:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		04/27/23 13:19	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		04/27/23 13:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		04/27/23 13:19	107-06-2	
Diisopropyl ether	<b>46.3J</b>	ug/L	100	30.8	100		04/27/23 13:19	108-20-3	
Ethanol	ND	ug/L	20000	7220	100		04/27/23 13:19	64-17-5	
Ethylbenzene	<b>1970</b>	ug/L	100	30.4	100		04/27/23 13:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		04/27/23 13:19	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	42.2	100		04/27/23 13:19	1634-04-4	
Naphthalene	<b>465</b>	ug/L	100	64.5	100		04/27/23 13:19	91-20-3	
Toluene	<b>12900</b>	ug/L	100	48.5	100		04/27/23 13:19	108-88-3	
Xylene (Total)	<b>11400</b>	ug/L	100	33.8	100		04/27/23 13:19	1330-20-7	
m&p-Xylene	<b>7390</b>	ug/L	200	70.9	100		04/27/23 13:19	179601-23-1	
o-Xylene	<b>3990</b>	ug/L	100	33.8	100		04/27/23 13:19	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	104	%	70-130		100		04/27/23 13:19	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		100		04/27/23 13:19	17060-07-0	
Toluene-d8 (S)	102	%	70-130		100		04/27/23 13:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-20      Lab ID: 92663348035      Collected: 04/18/23 15:03      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0073	1	04/25/23 09:49	04/25/23 17:20	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/25/23 09:49	04/25/23 17:20	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	5000	1820	50		04/27/23 02:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/27/23 02:43	994-05-8	
Benzene	1090	ug/L	50.0	17.2	50		04/27/23 02:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/27/23 02:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/27/23 02:43	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/27/23 02:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/27/23 02:43	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/27/23 02:43	108-20-3	L1,v1
Ethanol	ND	ug/L	10000	3610	50		04/27/23 02:43	64-17-5	v1
Ethylbenzene	3420	ug/L	50.0	15.2	50		04/27/23 02:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/27/23 02:43	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/27/23 02:43	1634-04-4	
Naphthalene	580	ug/L	50.0	32.2	50		04/27/23 02:43	91-20-3	
Toluene	9180	ug/L	50.0	24.2	50		04/27/23 02:43	108-88-3	
Xylene (Total)	13600	ug/L	50.0	16.9	50		04/27/23 02:43	1330-20-7	
m&p-Xylene	9310	ug/L	100	35.4	50		04/27/23 02:43	179601-23-1	
o-Xylene	4260	ug/L	50.0	16.9	50		04/27/23 02:43	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		50		04/27/23 02:43	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		50		04/27/23 02:43	17060-07-0	
Toluene-d8 (S)	124	%	70-130		50		04/27/23 02:43	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-24      Lab ID: 92663348036      Collected: 04/18/23 15:25      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 09:49	04/25/23 17:31	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	04/25/23 09:49	04/25/23 17:31	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	5000	1820	50		04/27/23 03:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/27/23 03:01	994-05-8	
Benzene	1520	ug/L	50.0	17.2	50		04/27/23 03:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/27/23 03:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/27/23 03:01	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/27/23 03:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/27/23 03:01	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/27/23 03:01	108-20-3	L1,v1
Ethanol	ND	ug/L	10000	3610	50		04/27/23 03:01	64-17-5	v1
Ethylbenzene	815	ug/L	50.0	15.2	50		04/27/23 03:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/27/23 03:01	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/27/23 03:01	1634-04-4	
Naphthalene	166	ug/L	50.0	32.2	50		04/27/23 03:01	91-20-3	
Toluene	8380	ug/L	50.0	24.2	50		04/27/23 03:01	108-88-3	
Xylene (Total)	3810	ug/L	50.0	16.9	50		04/27/23 03:01	1330-20-7	
m&p-Xylene	2630	ug/L	100	35.4	50		04/27/23 03:01	179601-23-1	
o-Xylene	1180	ug/L	50.0	16.9	50		04/27/23 03:01	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		50		04/27/23 03:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		50		04/27/23 03:01	17060-07-0	
Toluene-d8 (S)	103	%	70-130		50		04/27/23 03:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

Sample: 02314 DUP-2      Lab ID: 92663348037      Collected: 04/18/23 15:27      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	04/25/23 14:59	04/25/23 18:34	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	04/25/23 14:59	04/25/23 18:34	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	5000	1820	50		04/27/23 03:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	133	50		04/27/23 03:19	994-05-8	
Benzene	1870	ug/L	50.0	17.2	50		04/27/23 03:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2600	50		04/27/23 03:19	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	1340	50		04/27/23 03:19	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1470	50		04/27/23 03:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	16.1	50		04/27/23 03:19	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	15.4	50		04/27/23 03:19	108-20-3	L1,v1
Ethanol	ND	ug/L	10000	3610	50		04/27/23 03:19	64-17-5	v1
Ethylbenzene	814	ug/L	50.0	15.2	50		04/27/23 03:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	162	50		04/27/23 03:19	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	50.0	21.1	50		04/27/23 03:19	1634-04-4	
Naphthalene	115	ug/L	50.0	32.2	50		04/27/23 03:19	91-20-3	
Toluene	6340	ug/L	50.0	24.2	50		04/27/23 03:19	108-88-3	
Xylene (Total)	4120	ug/L	50.0	16.9	50		04/27/23 03:19	1330-20-7	
m&p-Xylene	2810	ug/L	100	35.4	50		04/27/23 03:19	179601-23-1	
o-Xylene	1310	ug/L	50.0	16.9	50		04/27/23 03:19	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	105	%	70-130		50		04/27/23 03:19	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		50		04/27/23 03:19	17060-07-0	
Toluene-d8 (S)	81	%	70-130		50		04/27/23 03:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-14      Lab ID: 92663348038      Collected: 04/18/23 15:47      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/25/23 14:59	04/25/23 19:06	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/25/23 14:59	04/25/23 19:06	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	2500	910	25		04/27/23 04:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		04/27/23 04:31	994-05-8	
Benzene	ND	ug/L	25.0	8.6	25		04/27/23 04:31	71-43-2	M1
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		04/27/23 04:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	670	25		04/27/23 04:31	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		04/27/23 04:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		04/27/23 04:31	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	7.7	25		04/27/23 04:31	108-20-3	L1,v1
Ethanol	ND	ug/L	5000	1800	25		04/27/23 04:31	64-17-5	v1
Ethylbenzene	1290	ug/L	25.0	7.6	25		04/27/23 04:31	100-41-4	M1
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		04/27/23 04:31	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	25.0	10.6	25		04/27/23 04:31	1634-04-4	
Naphthalene	603	ug/L	25.0	16.1	25		04/27/23 04:31	91-20-3	M1
Toluene	619	ug/L	25.0	12.1	25		04/27/23 04:31	108-88-3	M1
Xylene (Total)	9750	ug/L	25.0	8.4	25		04/27/23 04:31	1330-20-7	MS
m&p-Xylene	6740	ug/L	50.0	17.7	25		04/27/23 04:31	179601-23-1	M1
o-Xylene	3010	ug/L	25.0	8.4	25		04/27/23 04:31	95-47-6	M1
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		25		04/27/23 04:31	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		25		04/27/23 04:31	17060-07-0	
Toluene-d8 (S)	108	%	70-130		25		04/27/23 04:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-27      Lab ID: 92663348039      Collected: 04/18/23 16:00      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0073	1	04/26/23 10:44	04/26/23 15:18	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/26/23 10:44	04/26/23 15:18	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/26/23 05:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/26/23 05:07	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/26/23 05:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/26/23 05:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/26/23 05:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/26/23 05:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/26/23 05:07	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/26/23 05:07	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/26/23 05:07	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/26/23 05:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/26/23 05:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/26/23 05:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/26/23 05:07	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/26/23 05:07	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/26/23 05:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/26/23 05:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/26/23 05:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/26/23 05:07	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/26/23 05:07	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/26/23 05:07	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-1      Lab ID: 92663348040      Collected: 04/18/23 16:24      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	04/26/23 10:44	04/26/23 15:39	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/26/23 10:44	04/26/23 15:39	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	23900	ug/L	20000	7280	200		04/27/23 13:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/27/23 13:54	994-05-8	
Benzene	7200	ug/L	200	69.0	200		04/27/23 13:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/27/23 13:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/27/23 13:54	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/27/23 13:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/27/23 13:54	107-06-2	
Diisopropyl ether	85.9J	ug/L	200	61.6	200		04/27/23 13:54	108-20-3	
Ethanol	ND	ug/L	40000	14400	200		04/27/23 13:54	64-17-5	
Ethylbenzene	2770	ug/L	200	60.8	200		04/27/23 13:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/27/23 13:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	84.4	200		04/27/23 13:54	1634-04-4	
Naphthalene	701	ug/L	200	129	200		04/27/23 13:54	91-20-3	
Toluene	28300	ug/L	200	97.0	200		04/27/23 13:54	108-88-3	
Xylene (Total)	15500	ug/L	200	67.6	200		04/27/23 13:54	1330-20-7	
m&p-Xylene	10400	ug/L	400	142	200		04/27/23 13:54	179601-23-1	
o-Xylene	5060	ug/L	200	67.6	200		04/27/23 13:54	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		200		04/27/23 13:54	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		200		04/27/23 13:54	17060-07-0	
Toluene-d8 (S)	102	%	70-130		200		04/27/23 13:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-4      Lab ID: 92663348041      Collected: 04/18/23 16:31      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.028	ug/L	0.020	0.0076	1	04/26/23 10:44	04/26/23 16:11	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	04/26/23 10:44	04/26/23 16:11	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	25000	9100	250		04/27/23 05:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		04/27/23 05:07	994-05-8	
Benzene	8820	ug/L	250	86.2	250		04/27/23 05:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		04/27/23 05:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		04/27/23 05:07	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		04/27/23 05:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		04/27/23 05:07	107-06-2	
Diisopropyl ether	ND	ug/L	250	77.0	250		04/27/23 05:07	108-20-3	L1,v1
Ethanol	ND	ug/L	50000	18000	250		04/27/23 05:07	64-17-5	v1
Ethylbenzene	3160	ug/L	250	76.0	250		04/27/23 05:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		04/27/23 05:07	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	250	106	250		04/27/23 05:07	1634-04-4	
Naphthalene	997	ug/L	250	161	250		04/27/23 05:07	91-20-3	
Toluene	43000	ug/L	250	121	250		04/27/23 05:07	108-88-3	
Xylene (Total)	19600	ug/L	250	84.5	250		04/27/23 05:07	1330-20-7	
m&p-Xylene	13100	ug/L	500	177	250		04/27/23 05:07	179601-23-1	
o-Xylene	6430	ug/L	250	84.5	250		04/27/23 05:07	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		250		04/27/23 05:07	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		250		04/27/23 05:07	17060-07-0	
Toluene-d8 (S)	105	%	70-130		250		04/27/23 05:07	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 MW-19      Lab ID: 92663348042      Collected: 04/18/23 16:44      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/26/23 10:44	04/26/23 16:22	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/26/23 10:44	04/26/23 16:22	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	25000	9100	250		04/27/23 05:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		04/27/23 05:25	994-05-8	
Benzene	10300	ug/L	250	86.2	250		04/27/23 05:25	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		04/27/23 05:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		04/27/23 05:25	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		04/27/23 05:25	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		04/27/23 05:25	107-06-2	
Diisopropyl ether	ND	ug/L	250	77.0	250		04/27/23 05:25	108-20-3	L1,v1
Ethanol	165000	ug/L	50000	18000	250		04/27/23 05:25	64-17-5	v1
Ethylbenzene	3020	ug/L	250	76.0	250		04/27/23 05:25	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		04/27/23 05:25	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	250	106	250		04/27/23 05:25	1634-04-4	
Naphthalene	630	ug/L	250	161	250		04/27/23 05:25	91-20-3	
Toluene	42100	ug/L	250	121	250		04/27/23 05:25	108-88-3	
Xylene (Total)	17100	ug/L	250	84.5	250		04/27/23 05:25	1330-20-7	
m&p-Xylene	11600	ug/L	500	177	250		04/27/23 05:25	179601-23-1	
o-Xylene	5550	ug/L	250	84.5	250		04/27/23 05:25	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		250		04/27/23 05:25	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		250		04/27/23 05:25	17060-07-0	
Toluene-d8 (S)	123	%	70-130		250		04/27/23 05:25	2037-26-5	

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 RW-4      Lab ID: 92663348043      Collected: 04/18/23 17:00      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011      Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	04/26/23 10:44	04/26/23 16:32	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	04/26/23 10:44	04/26/23 16:32	301-79-56	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	<b>14500J</b>	ug/L	20000	7280	200		04/27/23 05:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	532	200		04/27/23 05:43	994-05-8	
Benzene	<b>4750</b>	ug/L	200	69.0	200		04/27/23 05:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10400	200		04/27/23 05:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	5360	200		04/27/23 05:43	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	5880	200		04/27/23 05:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	64.4	200		04/27/23 05:43	107-06-2	
Diisopropyl ether	ND	ug/L	200	61.6	200		04/27/23 05:43	108-20-3	L1,v1
Ethanol	<b>238000</b>	ug/L	40000	14400	200		04/27/23 05:43	64-17-5	v1
Ethylbenzene	<b>2270</b>	ug/L	200	60.8	200		04/27/23 05:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	648	200		04/27/23 05:43	637-92-3	v1
Methyl-tert-butyl ether	ND	ug/L	200	84.4	200		04/27/23 05:43	1634-04-4	
Naphthalene	<b>497</b>	ug/L	200	129	200		04/27/23 05:43	91-20-3	
Toluene	<b>19200</b>	ug/L	200	97.0	200		04/27/23 05:43	108-88-3	
Xylene (Total)	<b>13700</b>	ug/L	200	67.6	200		04/27/23 05:43	1330-20-7	
m&p-Xylene	<b>9070</b>	ug/L	400	142	200		04/27/23 05:43	179601-23-1	
o-Xylene	<b>4620</b>	ug/L	200	67.6	200		04/27/23 05:43	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	108	%	70-130		200		04/27/23 05:43	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		200		04/27/23 05:43	17060-07-0	
Toluene-d8 (S)	86	%	70-130		200		04/27/23 05:43	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Sample: 02314 TRIP BLANK		Lab ID: 92663348044		Collected:		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/25/23 09:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/25/23 09:39	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/25/23 09:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/25/23 09:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/25/23 09:39	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/25/23 09:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/25/23 09:39	107-06-2	v2
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/25/23 09:39	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/25/23 09:39	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/25/23 09:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/25/23 09:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/25/23 09:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/25/23 09:39	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/25/23 09:39	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/25/23 09:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/25/23 09:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/25/23 09:39	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/25/23 09:39	460-00-4	
1,2-Dichloroethane-d4 (S)	81	%	70-130		1		04/25/23 09:39	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/25/23 09:39	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

Sample: 02314 TRIP BLANK		Lab ID: 92663348045		Collected:		Received: 04/20/23 09:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/25/23 09:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/25/23 09:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		04/25/23 09:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/25/23 09:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/25/23 09:57	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/25/23 09:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		04/25/23 09:57	107-06-2	v2
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/25/23 09:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/25/23 09:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		04/25/23 09:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/25/23 09:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/25/23 09:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		04/25/23 09:57	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		04/25/23 09:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		04/25/23 09:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		04/25/23 09:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		04/25/23 09:57	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/25/23 09:57	460-00-4	
1,2-Dichloroethane-d4 (S)	75	%	70-130		1		04/25/23 09:57	17060-07-0	
Toluene-d8 (S)	112	%	70-130		1		04/25/23 09:57	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch: 769943 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663348001, 92663348002, 92663348018, 92663348044, 92663348045

METHOD BLANK: 3997141 Matrix: Water  
Associated Lab Samples: 92663348001, 92663348002, 92663348018, 92663348044, 92663348045

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/25/23 02:10	v2
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/25/23 02:10	
Benzene	ug/L	ND	1.0	0.34	04/25/23 02:10	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/25/23 02:10	
Ethanol	ug/L	ND	200	72.2	04/25/23 02:10	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/25/23 02:10	
Ethylbenzene	ug/L	ND	1.0	0.30	04/25/23 02:10	
m&p-Xylene	ug/L	ND	2.0	0.71	04/25/23 02:10	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/25/23 02:10	
Naphthalene	ug/L	ND	1.0	0.64	04/25/23 02:10	
o-Xylene	ug/L	ND	1.0	0.34	04/25/23 02:10	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/25/23 02:10	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/25/23 02:10	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/25/23 02:10	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/25/23 02:10	
Toluene	ug/L	ND	1.0	0.48	04/25/23 02:10	
Xylene (Total)	ug/L	ND	1.0	0.34	04/25/23 02:10	
1,2-Dichloroethane-d4 (S)	%	86	70-130		04/25/23 02:10	
4-Bromofluorobenzene (S)	%	101	70-130		04/25/23 02:10	
Toluene-d8 (S)	%	105	70-130		04/25/23 02:10	

LABORATORY CONTROL SAMPLE: 3997142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	16.5	83	70-130	v3
3,3-Dimethyl-1-Butanol	ug/L	400	361	90	70-130	
Benzene	ug/L	20	19.2	96	70-130	
Diisopropyl ether	ug/L	20	17.4	87	70-130	
Ethanol	ug/L	800	868	108	70-130	
Ethyl-tert-butyl ether	ug/L	40	34.6	86	70-130	
Ethylbenzene	ug/L	20	18.1	90	70-130	
m&p-Xylene	ug/L	40	36.0	90	70-130	
Methyl-tert-butyl ether	ug/L	20	17.6	88	70-130	
Naphthalene	ug/L	20	18.4	92	70-130	
o-Xylene	ug/L	20	18.7	93	70-130	
tert-Amyl Alcohol	ug/L	400	350	87	70-130	
tert-Amylmethyl ether	ug/L	40	35.8	90	70-130	
tert-Butyl Alcohol	ug/L	200	148	74	70-130	v3
tert-Butyl Formate	ug/L	160	137	86	70-130	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

LABORATORY CONTROL SAMPLE: 3997142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.6	93	70-130	
Xylene (Total)	ug/L	60	54.7	91	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 3997144

Parameter	Units	92663294001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.4	102	70-137	v3
3,3-Dimethyl-1-Butanol	ug/L	ND	400	493	123	39-157	
Benzene	ug/L	140	20	162	111	70-151	
Diisopropyl ether	ug/L	ND	20	27.5	137	63-144	
Ethanol	ug/L	ND	800	941	118	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	44.0	110	66-137	
Ethylbenzene	ug/L	35.6	20	59.0	117	66-153	
m&p-Xylene	ug/L	12.9	40	57.3	111	69-152	
Methyl-tert-butyl ether	ug/L	109	20	142	165	54-156	M1
Naphthalene	ug/L	10	20	32.9	115	61-148	
o-Xylene	ug/L	5.7	20	29.1	117	70-148	
tert-Amyl Alcohol	ug/L	195	400	719	131	54-153	
tert-Amylmethyl ether	ug/L	ND	40	46.5	113	69-139	
tert-Butyl Alcohol	ug/L	132	200	408	138	43-188	v3
tert-Butyl Formate	ug/L	ND	160	142	89	10-170	
Toluene	ug/L	4.7	20	27.6	114	59-148	
Xylene (Total)	ug/L	18.6	60	86.4	113	63-158	
1,2-Dichloroethane-d4 (S)	%				83	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 3997143

Parameter	Units	92663348002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	v2
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

SAMPLE DUPLICATE: 3997143

Parameter	Units	92663348002 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30 v2	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	80	79			
4-Bromofluorobenzene (S)	%	97	92			
Toluene-d8 (S)	%	103	92			

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch:	769945	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92663348003, 92663348004, 92663348006, 92663348007, 92663348009, 92663348010, 92663348011, 92663348012, 92663348013, 92663348014, 92663348015, 92663348017, 92663348019, 92663348029, 92663348030, 92663348031, 92663348032, 92663348039

METHOD BLANK: 3997160 Matrix: Water  
Associated Lab Samples: 92663348003, 92663348004, 92663348006, 92663348007, 92663348009, 92663348010, 92663348011, 92663348012, 92663348013, 92663348014, 92663348015, 92663348017, 92663348019, 92663348029, 92663348030, 92663348031, 92663348032, 92663348039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/26/23 00:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/26/23 00:15	
Benzene	ug/L	ND	1.0	0.34	04/26/23 00:15	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/26/23 00:15	
Ethanol	ug/L	ND	200	72.2	04/26/23 00:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/26/23 00:15	
Ethylbenzene	ug/L	ND	1.0	0.30	04/26/23 00:15	
m&p-Xylene	ug/L	ND	2.0	0.71	04/26/23 00:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/26/23 00:15	
Naphthalene	ug/L	ND	1.0	0.64	04/26/23 00:15	
o-Xylene	ug/L	ND	1.0	0.34	04/26/23 00:15	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/26/23 00:15	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/26/23 00:15	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/26/23 00:15	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/26/23 00:15	
Toluene	ug/L	ND	1.0	0.48	04/26/23 00:15	
Xylene (Total)	ug/L	ND	1.0	0.34	04/26/23 00:15	
1,2-Dichloroethane-d4 (S)	%	102	70-130		04/26/23 00:15	
4-Bromofluorobenzene (S)	%	99	70-130		04/26/23 00:15	
Toluene-d8 (S)	%	102	70-130		04/26/23 00:15	

LABORATORY CONTROL SAMPLE: 3997161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.5	102	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	397	99	70-130	
Benzene	ug/L	20	20.4	102	70-130	
Diisopropyl ether	ug/L	20	19.7	98	70-130	
Ethanol	ug/L	800	799	100	70-130	
Ethyl-tert-butyl ether	ug/L	40	38.3	96	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	
m&p-Xylene	ug/L	40	42.1	105	70-130	
Methyl-tert-butyl ether	ug/L	20	19.1	96	70-130	
Naphthalene	ug/L	20	22.5	112	70-130	
o-Xylene	ug/L	20	20.9	104	70-130	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

LABORATORY CONTROL SAMPLE: 3997161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amyl Alcohol	ug/L	400	407	102	70-130	
tert-Amylmethyl ether	ug/L	40	40.8	102	70-130	
tert-Butyl Alcohol	ug/L	200	180	90	70-130	
tert-Butyl Formate	ug/L	160	147	92	70-130	
Toluene	ug/L	20	20.3	101	70-130	
Xylene (Total)	ug/L	60	63.0	105	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 3997163

Parameter	Units	92663348004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.9	115	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	380	95	39-157	
Benzene	ug/L	ND	20	22.3	112	70-151	
Diisopropyl ether	ug/L	ND	20	22.5	112	63-144	
Ethanol	ug/L	ND	800	850	106	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	42.4	106	66-137	
Ethylbenzene	ug/L	ND	20	23.2	116	66-153	
m&p-Xylene	ug/L	ND	40	46.5	116	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.2	101	54-156	
Naphthalene	ug/L	ND	20	22.6	113	61-148	
o-Xylene	ug/L	ND	20	22.4	112	70-148	
tert-Amyl Alcohol	ug/L	ND	400	410	103	54-153	
tert-Amylmethyl ether	ug/L	ND	40	44.2	111	69-139	
tert-Butyl Alcohol	ug/L	ND	200	241	121	43-188	
tert-Butyl Formate	ug/L	ND	160	67.6	42	10-170	
Toluene	ug/L	ND	20	22.7	113	59-148	
Xylene (Total)	ug/L	ND	60	68.9	115	63-158	
1,2-Dichloroethane-d4 (S)	%				103	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 3997162

Parameter	Units	92663348003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

SAMPLE DUPLICATE: 3997162

Parameter	Units	92663348003 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	102			
4-Bromofluorobenzene (S)	%	97	95			
Toluene-d8 (S)	%	102	103			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch:	770595	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92663348005, 92663348008, 92663348016, 92663348021, 92663348022, 92663348023, 92663348024, 92663348025, 92663348026, 92663348027, 92663348028, 92663348033, 92663348035, 92663348036, 92663348037

METHOD BLANK: 4000317 Matrix: Water  
Associated Lab Samples: 92663348005, 92663348008, 92663348016, 92663348021, 92663348022, 92663348023, 92663348024, 92663348025, 92663348026, 92663348027, 92663348028, 92663348033, 92663348035, 92663348036, 92663348037

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/26/23 21:57	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/26/23 21:57	
Benzene	ug/L	ND	1.0	0.34	04/26/23 21:57	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/26/23 21:57	v1
Ethanol	ug/L	ND	200	72.2	04/26/23 21:57	v1
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/26/23 21:57	v1
Ethylbenzene	ug/L	ND	1.0	0.30	04/26/23 21:57	
m&p-Xylene	ug/L	ND	2.0	0.71	04/26/23 21:57	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/26/23 21:57	
Naphthalene	ug/L	ND	1.0	0.64	04/26/23 21:57	
o-Xylene	ug/L	ND	1.0	0.34	04/26/23 21:57	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/26/23 21:57	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/26/23 21:57	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/26/23 21:57	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/26/23 21:57	
Toluene	ug/L	ND	1.0	0.48	04/26/23 21:57	
Xylene (Total)	ug/L	ND	1.0	0.34	04/26/23 21:57	
1,2-Dichloroethane-d4 (S)	%	109	70-130		04/26/23 21:57	
4-Bromofluorobenzene (S)	%	103	70-130		04/26/23 21:57	
Toluene-d8 (S)	%	113	70-130		04/26/23 21:57	

LABORATORY CONTROL SAMPLE: 4000318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.0	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	369	92	70-130	
Benzene	ug/L	20	18.4	92	70-130	
Diisopropyl ether	ug/L	20	29.3	146	70-130	L1,v1
Ethanol	ug/L	800	1040	130	70-130	v1
Ethyl-tert-butyl ether	ug/L	40	49.1	123	70-130	v1
Ethylbenzene	ug/L	20	20.3	101	70-130	
m&p-Xylene	ug/L	40	41.1	103	70-130	
Methyl-tert-butyl ether	ug/L	20	22.5	112	70-130	
Naphthalene	ug/L	20	20.2	101	70-130	
o-Xylene	ug/L	20	19.1	95	70-130	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

LABORATORY CONTROL SAMPLE: 4000318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Amyl Alcohol	ug/L	400	350	88	70-130	
tert-Amylmethyl ether	ug/L	40	36.7	92	70-130	
tert-Butyl Alcohol	ug/L	200	215	108	70-130	
tert-Butyl Formate	ug/L	160	146	91	70-130	
Toluene	ug/L	20	21.6	108	70-130	
Xylene (Total)	ug/L	60	60.1	100	70-130	
1,2-Dichloroethane-d4 (S)	%			109	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			113	70-130	

MATRIX SPIKE SAMPLE: 4000320

Parameter	Units	92663348008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.0	100	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	431	108	39-157	
Benzene	ug/L	ND	20	22.7	113	70-151	
Diisopropyl ether	ug/L	ND	20	20.5	103	63-144	
Ethanol	ug/L	ND	800	886	111	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	41.8	105	66-137	
Ethylbenzene	ug/L	ND	20	21.6	108	66-153	
m&p-Xylene	ug/L	ND	40	43.3	108	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	18.9	95	54-156	
Naphthalene	ug/L	ND	20	22.1	111	61-148	
o-Xylene	ug/L	ND	20	21.7	108	70-148	
tert-Amyl Alcohol	ug/L	ND	400	418	104	54-153	
tert-Amylmethyl ether	ug/L	ND	40	42.2	105	69-139	
tert-Butyl Alcohol	ug/L	ND	200	238	119	43-188	
tert-Butyl Formate	ug/L	ND	160	98.1	61	10-170	
Toluene	ug/L	ND	20	21.9	108	59-148	
Xylene (Total)	ug/L	ND	60	65.0	108	63-158	
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4000319

Parameter	Units	92663348005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

SAMPLE DUPLICATE: 4000319

Parameter	Units	92663348005 Result	Dup Result	RPD	Max RPD	Qualifiers
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	106	93			
4-Bromofluorobenzene (S)	%	105	102			
Toluene-d8 (S)	%	100	103			

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch: 770596 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92663348038, 92663348041, 92663348042, 92663348043

METHOD BLANK: 4000321 Matrix: Water  
Associated Lab Samples: 92663348038, 92663348041, 92663348042, 92663348043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/26/23 22:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/26/23 22:15	
Benzene	ug/L	ND	1.0	0.34	04/26/23 22:15	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/26/23 22:15	v1
Ethanol	ug/L	ND	200	72.2	04/26/23 22:15	v1
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/26/23 22:15	v1
Ethylbenzene	ug/L	ND	1.0	0.30	04/26/23 22:15	
m&p-Xylene	ug/L	ND	2.0	0.71	04/26/23 22:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/26/23 22:15	
Naphthalene	ug/L	ND	1.0	0.64	04/26/23 22:15	
o-Xylene	ug/L	ND	1.0	0.34	04/26/23 22:15	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/26/23 22:15	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/26/23 22:15	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/26/23 22:15	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/26/23 22:15	
Toluene	ug/L	ND	1.0	0.48	04/26/23 22:15	
Xylene (Total)	ug/L	ND	1.0	0.34	04/26/23 22:15	
1,2-Dichloroethane-d4 (S)	%	121	70-130		04/26/23 22:15	
4-Bromofluorobenzene (S)	%	99	70-130		04/26/23 22:15	
Toluene-d8 (S)	%	111	70-130		04/26/23 22:15	

LABORATORY CONTROL SAMPLE: 4000322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	22.2	111	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	364	91	70-130	
Benzene	ug/L	20	20.2	101	70-130	
Diisopropyl ether	ug/L	20	26.7	133	70-130	L1,v1
Ethanol	ug/L	800	927	116	70-130	v1
Ethyl-tert-butyl ether	ug/L	40	46.1	115	70-130	v1
Ethylbenzene	ug/L	20	19.7	98	70-130	
m&p-Xylene	ug/L	40	39.5	99	70-130	
Methyl-tert-butyl ether	ug/L	20	21.1	106	70-130	
Naphthalene	ug/L	20	20.9	105	70-130	
o-Xylene	ug/L	20	18.2	91	70-130	
tert-Amyl Alcohol	ug/L	400	382	96	70-130	
tert-Amylmethyl ether	ug/L	40	39.6	99	70-130	
tert-Butyl Alcohol	ug/L	200	208	104	70-130	
tert-Butyl Formate	ug/L	160	171	107	70-130	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

LABORATORY CONTROL SAMPLE: 4000322

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	16.6	83	70-130	
Xylene (Total)	ug/L	60	57.8	96	70-130	
1,2-Dichloroethane-d4 (S)	%			116	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			89	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4000323 4000324

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92663348038 Result	Spike Conc.	Spike Conc.	Conc.								
1,2-Dichloroethane	ug/L	ND	20	20	18.5J	19.9J	93	99	70-137		30		
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	ND	ND	101	80	39-157		30		
Benzene	ug/L	ND	20	20	20.7J	21.3J	65	68	70-151		30	M1	
Diisopropyl ether	ug/L	ND	20	20	19.1J	19.3J	96	97	63-144		30		
Ethanol	ug/L	ND	800	800	ND	ND	109	98	39-176		30		
Ethyl-tert-butyl ether	ug/L	ND	40	40	ND	ND	83	95	66-137		30		
Ethylbenzene	ug/L	1290	20	20	1360	1450	372	818	66-153	6	30	M1	
m&p-Xylene	ug/L	6740	40	40	6980	7480	597	1850	69-152	7	30	M1	
Methyl-tert-butyl ether	ug/L	ND	20	20	15.5J	19.0J	78	95	54-156		30		
Naphthalene	ug/L	603	20	20	617	695	69	459	61-148	12	30	M1	
o-Xylene	ug/L	3010	20	20	3540	3800	2670	3960	70-148	7	30	M1	
tert-Amyl Alcohol	ug/L	ND	400	400	ND	ND	87	82	54-153		30		
tert-Amylmethyl ether	ug/L	ND	40	40	ND	ND	97	104	69-139		30		
tert-Butyl Alcohol	ug/L	ND	200	200	ND	ND	82	85	43-188		30		
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	74	76	10-170		30		
Toluene	ug/L	619	20	20	613	650	-34	153	59-148	6	30	M1	
Xylene (Total)	ug/L	9750	60	60	10500	11300	1290	2560	63-158	7	30	MS	
1,2-Dichloroethane-d4 (S)	%						91	94	70-130				
4-Bromofluorobenzene (S)	%						99	99	70-130				
Toluene-d8 (S)	%						105	104	70-130				

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch: 770820      Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D      Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92663348020, 92663348034, 92663348040

METHOD BLANK: 4001583      Matrix: Water

Associated Lab Samples: 92663348020, 92663348034, 92663348040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	04/27/23 12:43	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/27/23 12:43	
Benzene	ug/L	ND	1.0	0.34	04/27/23 12:43	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/27/23 12:43	
Ethanol	ug/L	ND	200	72.2	04/27/23 12:43	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/27/23 12:43	
Ethylbenzene	ug/L	ND	1.0	0.30	04/27/23 12:43	
m&p-Xylene	ug/L	ND	2.0	0.71	04/27/23 12:43	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/27/23 12:43	
Naphthalene	ug/L	ND	1.0	0.64	04/27/23 12:43	
o-Xylene	ug/L	ND	1.0	0.34	04/27/23 12:43	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/27/23 12:43	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/27/23 12:43	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/27/23 12:43	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/27/23 12:43	
Toluene	ug/L	ND	1.0	0.48	04/27/23 12:43	
Xylene (Total)	ug/L	ND	1.0	0.34	04/27/23 12:43	
1,2-Dichloroethane-d4 (S)	%	99	70-130		04/27/23 12:43	
4-Bromofluorobenzene (S)	%	103	70-130		04/27/23 12:43	
Toluene-d8 (S)	%	102	70-130		04/27/23 12:43	

LABORATORY CONTROL SAMPLE: 4001584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	405	101	70-130	
Benzene	ug/L	20	18.8	94	70-130	
Diisopropyl ether	ug/L	20	18.5	93	70-130	
Ethanol	ug/L	800	862	108	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.0	90	70-130	
Ethylbenzene	ug/L	20	21.9	109	70-130	
m&p-Xylene	ug/L	40	44.7	112	70-130	
Methyl-tert-butyl ether	ug/L	20	17.0	85	70-130	
Naphthalene	ug/L	20	21.8	109	70-130	
o-Xylene	ug/L	20	21.6	108	70-130	
tert-Amyl Alcohol	ug/L	400	429	107	70-130	
tert-Amylmethyl ether	ug/L	40	40.1	100	70-130	
tert-Butyl Alcohol	ug/L	200	177	88	70-130	
tert-Butyl Formate	ug/L	160	134	84	70-130	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

LABORATORY CONTROL SAMPLE: 4001584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	20.6	103	70-130	
Xylene (Total)	ug/L	60	66.4	111	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 4001585

Parameter	Units	92663348020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.8	104	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	421	105	39-157	
Benzene	ug/L	63.2	20	125	308	70-151	M1
Diisopropyl ether	ug/L	ND	20	21.8	109	63-144	
Ethanol	ug/L	ND	800	876	110	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	40.9	102	66-137	
Ethylbenzene	ug/L	20.3	20	59.2	195	66-153	M1
m&p-Xylene	ug/L	202	40	359	392	69-152	M1
Methyl-tert-butyl ether	ug/L	ND	20	18.5	93	54-156	
Naphthalene	ug/L	10.6	20	36.8	131	61-148	
o-Xylene	ug/L	99.6	20	165	326	70-148	M1
tert-Amyl Alcohol	ug/L	ND	400	560	140	54-153	
tert-Amylmethyl ether	ug/L	ND	40	43.6	109	69-139	
tert-Butyl Alcohol	ug/L	ND	200	273	136	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	16	10-170	
Toluene	ug/L	172	20	358	927	59-148	E,M1
Xylene (Total)	ug/L	301	60	524	370	63-158	MS
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4001586

Parameter	Units	92663348034 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	3290	3140	5	30	
Diisopropyl ether	ug/L	46.3J	36.8J		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	1970	1840	7	30	
m&p-Xylene	ug/L	7390	6900	7	30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	465	457	2	30	
o-Xylene	ug/L	3990	3740	6	30	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663348

SAMPLE DUPLICATE: 4001586

Parameter	Units	92663348034 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	9130J	8960J		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	12900	12600	2	30	
Xylene (Total)	ug/L	11400	10600	7	30	
1,2-Dichloroethane-d4 (S)	%	99	99			
4-Bromofluorobenzene (S)	%	104	100			
Toluene-d8 (S)	%	102	103			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch:	770090	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92663348001, 92663348002, 92663348003, 92663348004, 92663348005, 92663348006, 92663348007, 92663348008, 92663348009, 92663348010, 92663348011, 92663348012, 92663348013, 92663348014, 92663348015, 92663348016

METHOD BLANK: 3997790 Matrix: Water  
Associated Lab Samples: 92663348001, 92663348002, 92663348003, 92663348004, 92663348005, 92663348006, 92663348007, 92663348008, 92663348009, 92663348010, 92663348011, 92663348012, 92663348013, 92663348014, 92663348015, 92663348016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	04/25/23 21:15	
1-Chloro-2-bromopropane (S)	%	99	60-140		04/25/23 21:15	

LABORATORY CONTROL SAMPLE & LCSD: 3997791 3997792

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	0.26	107	104	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				100	98	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3997794 3997795

Parameter	Units	92663271025 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.29	0.28	118	115	60-140	2	20	
1-Chloro-2-bromopropane (S)	%						100	99	60-140			

SAMPLE DUPLICATE: 3997793

Parameter	Units	92663271024 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	98	100			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch: 770091 Analysis Method: EPA 8011  
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663348017, 92663348018, 92663348019, 92663348020, 92663348021, 92663348022, 92663348023, 92663348024, 92663348025, 92663348026, 92663348027, 92663348028, 92663348029, 92663348030, 92663348031, 92663348032, 92663348033, 92663348034, 92663348035, 92663348036

METHOD BLANK: 3997796 Matrix: Water  
Associated Lab Samples: 92663348017, 92663348018, 92663348019, 92663348020, 92663348021, 92663348022, 92663348023, 92663348024, 92663348025, 92663348026, 92663348027, 92663348028, 92663348029, 92663348030, 92663348031, 92663348032, 92663348033, 92663348034, 92663348035, 92663348036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	04/25/23 13:05	
1-Chloro-2-bromopropane (S)	%	105	60-140		04/25/23 13:05	

LABORATORY CONTROL SAMPLE & LCSD: 3997797 3997798

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.26	0.27	107	111	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				105	108	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3997800 3997801

Parameter	Units	92663348020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.29	0.29	117	118	60-140	1	20	
1-Chloro-2-bromopropane (S)	%						112	113	60-140			

SAMPLE DUPLICATE: 3997799

Parameter	Units	92663348019 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	105	128			

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch: 770273 Analysis Method: EPA 8011  
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663348037, 92663348038

METHOD BLANK: 3998709 Matrix: Water  
Associated Lab Samples: 92663348037, 92663348038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0077	04/25/23 17:52	
1-Chloro-2-bromopropane (S)	%	107	60-140		04/25/23 17:52	

LABORATORY CONTROL SAMPLE & LCSD: 3998710

Parameter	Units	3998710		3998711		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	0.28	108	109	60-140	2	20
1-Chloro-2-bromopropane (S)	%				105	103	60-140		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3998712 3998713

Parameter	Units	92663348037		3998712		3998713		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.28	0.27	112	108	60-140	4	20
1-Chloro-2-bromopropane (S)	%						99	102	60-140		

SAMPLE DUPLICATE: 3998714

Parameter	Units	92663348038 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	100	101			

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

QC Batch: 770395 Analysis Method: EPA 8011  
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663348039, 92663348040, 92663348041, 92663348042, 92663348043

METHOD BLANK: 3999270 Matrix: Water  
Associated Lab Samples: 92663348039, 92663348040, 92663348041, 92663348042, 92663348043

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	04/26/23 14:46	
1-Chloro-2-bromopropane (S)	%	108	60-140		04/26/23 14:46	

LABORATORY CONTROL SAMPLE & LCSD: 3999271 3999272

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.28	0.25	112	102	60-140	9	20	
1-Chloro-2-bromopropane (S)	%				110	103	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3999274 3999275

Parameter	Units	92663348040 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.24	0.24	0.33	0.34	135	139	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						106	101	60-140			

SAMPLE DUPLICATE: 3999273

Parameter	Units	92663348039 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	101	107			

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## QUALIFIERS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92663348001	02314 FB-1	EPA 8011	770090	EPA 8011	770205
92663348002	02314 MW-18	EPA 8011	770090	EPA 8011	770205
92663348003	02314 MW-17	EPA 8011	770090	EPA 8011	770205
92663348004	02314 MW-16	EPA 8011	770090	EPA 8011	770205
92663348005	02314 MW-28	EPA 8011	770090	EPA 8011	770205
92663348006	02314 MW-26	EPA 8011	770090	EPA 8011	770205
92663348007	02314 MW-29	EPA 8011	770090	EPA 8011	770205
92663348008	02314 DW-3	EPA 8011	770090	EPA 8011	770205
92663348009	02314 DW-2	EPA 8011	770090	EPA 8011	770205
92663348010	02314 MW-21	EPA 8011	770090	EPA 8011	770205
92663348011	02314 MW-22	EPA 8011	770090	EPA 8011	770205
92663348012	02314 MW-11	EPA 8011	770090	EPA 8011	770205
92663348013	02314 MW-10	EPA 8011	770090	EPA 8011	770205
92663348014	02314 MW-9	EPA 8011	770090	EPA 8011	770205
92663348015	02314 MW-5	EPA 8011	770090	EPA 8011	770205
92663348016	02314 DW-1	EPA 8011	770090	EPA 8011	770205
92663348017	02314 MW-6	EPA 8011	770091	EPA 8011	770206
92663348018	02314 FB-2	EPA 8011	770091	EPA 8011	770206
92663348019	02314 SW-1	EPA 8011	770091	EPA 8011	770206
92663348020	02314 MW-3	EPA 8011	770091	EPA 8011	770206
92663348021	02314 RW-3	EPA 8011	770091	EPA 8011	770206
92663348022	02314 MW-12	EPA 8011	770091	EPA 8011	770206
92663348023	02314 MW-30	EPA 8011	770091	EPA 8011	770206
92663348024	02314 MW-25	EPA 8011	770091	EPA 8011	770206
92663348025	02314 MW-23	EPA 8011	770091	EPA 8011	770206
92663348026	02314 MW-8	EPA 8011	770091	EPA 8011	770206
92663348027	02314 RW-1	EPA 8011	770091	EPA 8011	770206
92663348028	02314 MW-15	EPA 8011	770091	EPA 8011	770206
92663348029	02314 MW-7	EPA 8011	770091	EPA 8011	770206
92663348030	02314 MW-2R	EPA 8011	770091	EPA 8011	770206
92663348031	02314 RW-2	EPA 8011	770091	EPA 8011	770206
92663348032	02314 DUP-1	EPA 8011	770091	EPA 8011	770206
92663348033	02314 RW-5	EPA 8011	770091	EPA 8011	770206
92663348034	02314 MW-13	EPA 8011	770091	EPA 8011	770206
92663348035	02314 MW-20	EPA 8011	770091	EPA 8011	770206
92663348036	02314 MW-24	EPA 8011	770091	EPA 8011	770206
92663348037	02314 DUP-2	EPA 8011	770273	EPA 8011	770284
92663348038	02314 MW-14	EPA 8011	770273	EPA 8011	770284
92663348039	02314 MW-27	EPA 8011	770395	EPA 8011	770491
92663348040	02314 MW-1	EPA 8011	770395	EPA 8011	770491
92663348041	02314 MW-4	EPA 8011	770395	EPA 8011	770491
92663348042	02314 MW-19	EPA 8011	770395	EPA 8011	770491
92663348043	02314 RW-4	EPA 8011	770395	EPA 8011	770491
92663348001	02314 FB-1	EPA 8260D	769943		
92663348002	02314 MW-18	EPA 8260D	769943		
92663348003	02314 MW-17	EPA 8260D	769945		

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92663348004	02314 MW-16	EPA 8260D	769945		
92663348005	02314 MW-28	EPA 8260D	770595		
92663348006	02314 MW-26	EPA 8260D	769945		
92663348007	02314 MW-29	EPA 8260D	769945		
92663348008	02314 DW-3	EPA 8260D	770595		
92663348009	02314 DW-2	EPA 8260D	769945		
92663348010	02314 MW-21	EPA 8260D	769945		
92663348011	02314 MW-22	EPA 8260D	769945		
92663348012	02314 MW-11	EPA 8260D	769945		
92663348013	02314 MW-10	EPA 8260D	769945		
92663348014	02314 MW-9	EPA 8260D	769945		
92663348015	02314 MW-5	EPA 8260D	769945		
92663348016	02314 DW-1	EPA 8260D	770595		
92663348017	02314 MW-6	EPA 8260D	769945		
92663348018	02314 FB-2	EPA 8260D	769943		
92663348019	02314 SW-1	EPA 8260D	769945		
92663348020	02314 MW-3	EPA 8260D	770820		
92663348021	02314 RW-3	EPA 8260D	770595		
92663348022	02314 MW-12	EPA 8260D	770595		
92663348023	02314 MW-30	EPA 8260D	770595		
92663348024	02314 MW-25	EPA 8260D	770595		
92663348025	02314 MW-23	EPA 8260D	770595		
92663348026	02314 MW-8	EPA 8260D	770595		
92663348027	02314 RW-1	EPA 8260D	770595		
92663348028	02314 MW-15	EPA 8260D	770595		
92663348029	02314 MW-7	EPA 8260D	769945		
92663348030	02314 MW-2R	EPA 8260D	769945		
92663348031	02314 RW-2	EPA 8260D	769945		
92663348032	02314 DUP-1	EPA 8260D	769945		
92663348033	02314 RW-5	EPA 8260D	770595		
92663348034	02314 MW-13	EPA 8260D	770820		
92663348035	02314 MW-20	EPA 8260D	770595		
92663348036	02314 MW-24	EPA 8260D	770595		
92663348037	02314 DUP-2	EPA 8260D	770595		
92663348038	02314 MW-14	EPA 8260D	770596		
92663348039	02314 MW-27	EPA 8260D	769945		
92663348040	02314 MW-1	EPA 8260D	770820		
92663348041	02314 MW-4	EPA 8260D	770596		
92663348042	02314 MW-19	EPA 8260D	770596		
92663348043	02314 RW-4	EPA 8260D	770596		

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663348

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92663348044	02314 TRIP BLANK	EPA 8260D	769943		
92663348045	02314 TRIP BLANK	EPA 8260D	769943		

**REPORT OF LABORATORY ANALYSIS**

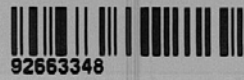
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**Pace Analytical**  
**CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

**WO# : 92663348**

Project Pace Workorder Number or  
 e

Company: Terry Environmental Services  
 Address: PO Box 25 Summerville, SC 29484  
 Report To: Kelly Cone  
 Copy To: \_\_\_\_\_  
 Email To: kcone@terryenvironmentalservices.com  
 Site Collection Info/Address: \_\_\_\_\_



**LAB USE ONLY**

Project Manager: \_\_\_\_\_

Customer Project Name/Number: Maruti Kundal / 2171.90  
 State: SC County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET  
 Phone: 843-873-8200 Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No  
 Email: \_\_\_\_\_  
 Collected By (print): Lanaston Jones Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_  
 Collected By (signature): Lanaston Jones Quote #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_  
 Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)  
 Field Filtered (if applicable): [ ] Yes [ ] No  
 Analysis: \_\_\_\_\_

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other \_\_\_\_\_

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
02314	FB-1	GW	4/23	1140			6	3
	MW-18			1153				
	MW-17			1200				
	MW-16			1220				
	MW-28			1238				
	MW-26			1255				
	MW-29			1306				
	DW-3			1340				
	DW-2			1425				
	MW-21			1437				

Analyses	Lab Profile/Line:
	Lab Sample Receipt Checklist:
	Custody Seals Present/Intact Y N NA
	Custody Signatures Present Y N NA
	Collector Signature Present Y N NA
	Bottles Intact Y N NA
	Correct Bottles Y N NA
	Sufficient Volume Y N NA
	Samples Received on Ice Y N NA
	VOA - Headspace Acceptable Y N NA
	USDA Regulated Soils Y N NA
	Samples in Holding Time Y N NA
	Residual Chlorine Present Y N NA
	Cl Strips:
	Sample pH Acceptable Y N NA
	pH Strips: _____
	Sulfide Present Y N NA
	Lead Acetate Strips: _____
	LAB USE ONLY:
	Lab Sample # / Comments:
	92663348
	001
	002
	003
	004
	005
	006
	007
	008
	009
	010

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used: \_\_\_\_\_  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
 Lab Tracking #: **2858808**  
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#: \_\_\_\_\_  
 Cooler 1 Temp Upon Receipt: \_\_\_\_\_ °C  
 Cooler 1 Therm Corr. Factor: \_\_\_\_\_ °C  
 Cooler 1 Corrected Temp: \_\_\_\_\_ °C

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

MTJL LAB USE ONLY  
 Comments: \_\_\_\_\_



**Pace Analytical**  
**CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: Terry Environmental Services  
 Address: PO Box 25 Summerville, SC 29484  
 Report To: Kelly Cone  
 Copy To: \_\_\_\_\_  
 Customer Project Name/Number: Macuti Kundal / 2171.90  
 Phone: 843-873-8200  
 Email: \_\_\_\_\_  
 Collected By (print): Laraston Jones  
 Collected By (signature): Laraston Jones  
 Sample Disposal:  Dispose as appropriate  Return  
 Archive: \_\_\_\_\_  
 Hold: \_\_\_\_\_  
 Rush:  Same Day  Next Day  
 2 Day  3 Day  4 Day  5 Day  
 (Expedite Charges Apply)

**ALL SHADED AREAS are for LAB USE ONLY**

Container Preservative Type \*\*  
 3 3

Lab Project Manager: \_\_\_\_\_

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
02314	MW-22	GW	4-7-23	1449			6	3
	MW-11			1530				
	MW-10			1533				
	MW-9			1556				
	MW-5			1615				
	DW-1			1649				
	MW-6			1713				
	FB-2		4-18-23	0800				
	SW-1			0829				
	MW-3			0846				

Analyses		Lab Profile/Line:
		Lab Sample Receipt Checklist:
		Custody Seals Present/Intact <input checked="" type="checkbox"/> N NA
		Custody Signatures Present <input checked="" type="checkbox"/> N NA
		Collector Signature Present <input checked="" type="checkbox"/> N NA
		Bottles Intact <input checked="" type="checkbox"/> N NA
		Correct Bottles <input checked="" type="checkbox"/> N NA
		Sufficient Volume <input checked="" type="checkbox"/> N NA
		Samples Received on Ice <input checked="" type="checkbox"/> N NA
		VOA - Headspace Acceptable <input checked="" type="checkbox"/> N NA
		USDA Regulated Soils <input checked="" type="checkbox"/> Y N NA
		Samples in Holding Time <input checked="" type="checkbox"/> N NA
		Residual Chlorine Present <input checked="" type="checkbox"/> Y N NA
		CI Strips: _____
		Sample pH Acceptable <input checked="" type="checkbox"/> Y N NA
		pH Strips: _____
		Sulfide Present <input checked="" type="checkbox"/> Y N NA
		Lead Acetate Strips: _____

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_

Type of Ice Used:  Wet  Blue  Dry  None

Packing Material Used: HH

Radchem sample(s) screened (<500 cpm): Y N NA

Relinquished by/Company: (Signature) Laraston Jones Date/Time: 4-19-23 1245

Relinquished by/Company: (Signature) Brooke Bonknight Date/Time: 4/19/23 1400

Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID Matrix \* Comp / Grab Collected (or Composite Start) Composite End Res Cl # of Ctns

1078XXXX-42-DL-AT-01-18H 8260  
EDB-8011

SHORT HOLDS PRESENT (<72 hours): Y  N/A

Lab Tracking #: 2858809

Samples received via:  FedEx  UPS  Client  Courier  Pace Courier

Table #: \_\_\_\_\_  
 Acctnum: \_\_\_\_\_  
 Template: \_\_\_\_\_  
 Prelogin: \_\_\_\_\_  
 PM: \_\_\_\_\_  
 PB: \_\_\_\_\_

Lab Sample Temperature Info:  
 Temp Blank Received:  N NA  
 Therm ID#: 92000  
 Cooler 1 Temp Upon Receipt: 11.4 oC  
 Cooler 1 Therm Corr. Factor: 0.0 oC  
 Cooler 1 Corrected Temp: 11.4 oC  
 Comments: \_\_\_\_\_

Trip Blank Received:  N NA  
 HCL MeOH TSP Other

Non Conformance(s): Page: 2  
 YES / NO of: 5



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**LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here**

**ALL SHADED AREAS are for LAB USE ONLY**

Company: Terry Environmental Services  
 Address: PO Box 25 Summerville, SC 29484  
 Report To: Kelly Cone  
 Copy To: Kelly Cone  
 Email To: kcone@terryenvironmental.com  
 Site Collection Info/Address: \_\_\_\_\_

Customer Project Name/Number: Maruti Kundal / 217190  
 State: / County/City: / Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET  
 Phone: 843-873-8100  
 Site/Facility ID #: \_\_\_\_\_  
 Compliance Monitoring? [ ] Yes [ ] No  
 Collected By (print): Langston Jones  
 Purchase Order #: \_\_\_\_\_  
 Quote #: \_\_\_\_\_  
 DW PWS ID #: \_\_\_\_\_  
 DW Location Code: \_\_\_\_\_  
 Collected By (signature): Langston Jones  
 Turnaround Date Required: \_\_\_\_\_  
 Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: [ ] Archive as appropriate [ ] Return [ ] Hold: \_\_\_\_\_  
 Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)  
 Field Filtered (if applicable): [ ] Yes [ ] No  
 Analysis: \_\_\_\_\_

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
02314	RW-3	GW	grab	4-18-23	0900			6
	MW-12				0929			
	MW-30				0953			
	MW-25				1015			
	MW-23				1058			
	MW-8				1111			
	RW-1				1129			
	MW-15				1145			
	MW-7				1202			
	MW-2R				1221			

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used: PB  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y  N/A  
 Lab Tracking #: 2858811  
 Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:  
 Temp Blank Received:  N NA  
 Therm ID#: 42670  
 Cooler 1 Temp Upon Receipt: 61.54 oC  
 Cooler 1 Therm Corr. Factor: 0.07 oC  
 Cooler 1 Corrected Temp: 61.57 oC  
 Comments: \_\_\_\_\_

Relinquished by/Company: (Signature) Langston Jones Date/Time: 4-19-23 1245  
 Received by/Company: (Signature) [Signature] Date/Time: 4-19-23 1245  
 Relinquished by/Company: (Signature) [Signature] Date/Time: 4-19-23 1900  
 Received by/Company: (Signature) [Signature] Date/Time: 4-20-23 9149  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Table #: \_\_\_\_\_  
 Acctnum: \_\_\_\_\_  
 Template: \_\_\_\_\_  
 Prelogin: \_\_\_\_\_  
 PM: \_\_\_\_\_  
 PB: \_\_\_\_\_

Trip Blank Received:  N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): Page: 5 of 5  
 YES / NO

**Pace Analytical**  
**CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

Company: Terry Environmental Services  
 Address: PO Box 25 Summerville, SC 29444  
 Report To: Kelly Cone  
 Copy To: \_\_\_\_\_  
 Billing Information:  
 Email To: kcone@terryenvironmental.com  
 Site Collection Info/Address: \_\_\_\_\_

**ALL SHADED AREAS are for LAB USE ONLY**

Container Preservative Type \*\*  
 3 3  
 Lab Project Manager: \_\_\_\_\_

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Project Name/Number: Maruti Kundal / 2171.90  
 State: SC County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET  
 Phone: 843-873-8200 Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No  
 Email: \_\_\_\_\_  
 Collected By (print): Lanaston Jones Purchase Order #: \_\_\_\_\_ Quote #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_  
 Collected By (signature): Lanaston Jones Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No  
 [ ] Hold: \_\_\_\_\_ Analysis: \_\_\_\_\_

Analyses		Lab Profile/Line:
		Lab Sample Receipt Checklist:
		Custody Seals Present/Intact <input checked="" type="checkbox"/> N NA
		Custody Signatures Present <input checked="" type="checkbox"/> N NA
		Collector Signature Present <input checked="" type="checkbox"/> N NA
		Bottles Intact <input checked="" type="checkbox"/> N NA
		Correct Bottles <input checked="" type="checkbox"/> N NA
		Sufficient Volume <input checked="" type="checkbox"/> N NA
		Samples Received on Ice <input checked="" type="checkbox"/> N NA
		VOA - Headspace Acceptable <input checked="" type="checkbox"/> N NA
		USDA Regulated Soils <input checked="" type="checkbox"/> N NA
		Samples in Holding Time <input checked="" type="checkbox"/> N NA
		Residual Chlorine Present <input checked="" type="checkbox"/> N NA
		Cl Strips: _____
		Sample pH Acceptable <input checked="" type="checkbox"/> N NA
		pH Strips: _____
		Sulfide Present <input checked="" type="checkbox"/> N NA
		Lead Acetate Strips: _____

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
02314	RW-2	GW	grab	4-18-23	1237		6	3
	Dup-1				1239			
	RW-5				1422			
	MW-13				1440			
	MW-20				1503			
	MW-24				1525			
	Dup-2				1527			
	MW-14				1547			
	MW-27				1600			
	MW-1				1624			

LAB USE ONLY:  
 Lab Sample # / Comments:  
 926633018  
 031  
 032  
 033  
 034  
 035  
 036  
 037  
 038  
 039  
 040

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_  
 Type of Ice Used:  Wet  Blue  Dry  None  
 Packing Material Used: PP  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y  N/A  
 Lab Tracking #: 2858810  
 Samples received via:  FEDEX  UPS  Client  Courier  Pace Courier

Relinquished by/Company: (Signature) Lanaston Jones Date/Time: 4-18-23 1245  
 Relinquished by/Company: (Signature) MOOREBANK NIGHT Date/Time: 4/19/23 1900  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by/Company: (Signature) MOOREBANK NIGHT Date/Time: 4/19/23 1245  
 Received by/Company: (Signature) ALPAC EIU Date/Time: 4-20-23 0945  
 Received by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

MTJL LAB USE ONLY  
 Table #: \_\_\_\_\_  
 Acctnum: \_\_\_\_\_  
 Template: \_\_\_\_\_  
 Prelogin: \_\_\_\_\_  
 PM: \_\_\_\_\_  
 PB: \_\_\_\_\_

Lab Sample Temperature Info:  
 Temp Blank Received:  N NA  
 Therm ID#: 921070  
 Cooler 1 Temp Upon Receipt: 0.16 °C  
 Cooler 1 Therm Corr. Factor: 0.0 °C  
 Cooler 1 Corrected Temp: 0.16 °C  
 Comments: \_\_\_\_\_

Trip Blank Received:  N NA  
 HCL MeOH TSP Other

Non Conformance(s): YES / NO  
 Page: 34  
 of: 5

**Pace Analytical**  
**CHAIN-OF-CUSTODY Analytical Request Document**  
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LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

**ALL SHADED AREAS are for LAB USE ONLY**

Company: Terry Environmental Services  
 Address: PO Box 25 Summerville, SC 29484  
 Report To: Kelly Cone  
 Copy To: \_\_\_\_\_  
 Billing Information: \_\_\_\_\_  
 Email To: kcone@terryenvironmental.com  
 Site Collection Info/Address: \_\_\_\_\_

Customer Project Name/Number: Maruti Kundal / 217190  
 State: SC County/City: \_\_\_\_\_ Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET  
 Phone: 843-873-8200 Site/Facility ID #: \_\_\_\_\_ Compliance Monitoring? [ ] Yes [ ] No  
 Email: \_\_\_\_\_  
 Collected By (print): Lanaston Jones Purchase Order #: \_\_\_\_\_ DW PWS ID #: \_\_\_\_\_  
 Quote #: \_\_\_\_\_ DW Location Code: \_\_\_\_\_  
 Collected By (signature): Lanaston Jones Turnaround Date Required: \_\_\_\_\_ Immediately Packed on Ice: [ ] Yes [ ] No  
 Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: \_\_\_\_\_ [ ] Hold: \_\_\_\_\_ Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)  
 Field Filtered (if applicable): [ ] Yes [ ] No  
 Analysis: \_\_\_\_\_

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
02314	MW-4	GW	4-18-23	1631			6	3
	MW-19		4-18-23	1644			6	3
	RW-4		4-18-23	1700			6	3
	Trip Blank		-	-			2	2
	Trip Blank		-	-			2	2

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used: BB  
 Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
 Lab Tracking #: 2858812  
 Samples received via: FEDEX UPS Client Courier Pace Courier  
 MTJL LAB USE ONLY

Relinquished by/Company: (Signature) Lanaston Jones Date/Time: 4-19-23 1245  
 Received by/Company: (Signature) Michael Knight Date/Time: 4-19-23 1245  
 Relinquished by/Company: (Signature) Michael Knight Date/Time: 4-19-23 1900  
 Received by/Company: (Signature) APR oc eth Date/Time: 4-20-23 0945

Lab Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#: 76070  
 Cooler 1 Temp Upon Receipt: 6.5 oC  
 Cooler 1 Therm Corr. Factor: 0.0 oC  
 Cooler 1 Corrected Temp: 6.5 oC  
 Comments: \_\_\_\_\_

Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): YES / NO Page: 5 of: 5

Effective Date: 05/12/2022 05/12/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

1

WO#: 92663348

PM: AMB

Due Date: 04/27/23

CLIENT: 92-Terry Env

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Effective Date: 05/12/2022 05/12/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/80.15 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

2

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Effective Date: 05/12/2022 05/12/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project #



Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
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11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Effective Date: 05/12/2022 05/12/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

4

Item #	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFLU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Effective Date: 05/12/2022 05/12/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

5

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6												
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2												
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2												
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10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/													
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/													
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

April 26, 2023

Kelly Cone  
Terry Environmental Services, Inc.  
P.O. Box 25  
Summerville, SC 29484

RE: Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

Dear Kelly Cone:

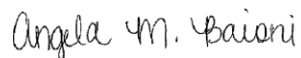
Enclosed are the analytical results for sample(s) received by the laboratory on April 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angela Baioni  
angela.baioni@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663451

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### **Pace Analytical Services Charlotte**

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663451

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92663451001	02314 WSW-FB-1	Water	04/19/23 08:25	04/20/23 09:45
92663451002	02314 WSW-1	Water	04/19/23 08:50	04/20/23 09:45
92663451003	02314 WSW-DUP-1	Water	04/19/23 08:52	04/20/23 09:45
92663451004	02314 TRIP BLANK	Water	04/19/23 00:00	04/20/23 09:45

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663451

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92663451001	02314 WSW-FB-1	EPA 504.1	HH	2	PASI-C
		EPA 524.2	JJK	10	PASI-C
		EPA 8260D	SAS	12	PASI-C
92663451002	02314 WSW-1	EPA 504.1	HH	2	PASI-C
		EPA 524.2	JJK	10	PASI-C
		EPA 8260D	SAS	12	PASI-C
92663451003	02314 WSW-DUP-1	EPA 504.1	HH	2	PASI-C
		EPA 524.2	JJK	10	PASI-C
		EPA 8260D	SAS	12	PASI-C
92663451004	02314 TRIP BLANK	EPA 524.2	JJK	10	PASI-C
		EPA 8260D	SAS	12	PASI-C

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

Sample: 02314 WSW-FB-1      Lab ID: 92663451001      Collected: 04/19/23 08:25      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>									
Analytical Method: EPA 504.1      Preparation Method: EPA 504.1									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0060	1	04/24/23 11:15	04/24/23 14:20	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	112	%	70-130		1	04/24/23 11:15	04/24/23 14:20	301-79-56	
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/21/23 16:10	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/21/23 16:10	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/21/23 16:10	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/21/23 16:10	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/21/23 16:10	91-20-3	
Toluene	<b>0.00026J</b>	mg/L	0.00050	0.00020	1		04/21/23 16:10	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/21/23 16:10	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/21/23 16:10	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		04/21/23 16:10	2199-69-1	
4-Bromofluorobenzene (S)	96	%	70-130		1		04/21/23 16:10	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/23 16:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/23 16:32	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/23 16:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/23 16:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/23 16:32	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/23 16:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/23 16:32	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/23 16:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/23 16:32	1634-04-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/24/23 16:32	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		04/24/23 16:32	17060-07-0	
Toluene-d8 (S)	111	%	70-130		1		04/24/23 16:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

Sample: 02314 WSW-1      Lab ID: 92663451002      Collected: 04/19/23 08:50      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>									
Analytical Method: EPA 504.1      Preparation Method: EPA 504.1									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0057	1	04/24/23 11:15	04/24/23 14:31	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	104	%	70-130		1	04/24/23 11:15	04/24/23 14:31	301-79-56	
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/21/23 20:32	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/21/23 20:32	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/21/23 20:32	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/21/23 20:32	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/21/23 20:32	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/21/23 20:32	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/21/23 20:32	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/21/23 20:32	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		04/21/23 20:32	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		04/21/23 20:32	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/23 17:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/23 17:44	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/23 17:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/23 17:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/23 17:44	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/23 17:44	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/23 17:44	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/23 17:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/23 17:44	1634-04-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/24/23 17:44	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/24/23 17:44	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/24/23 17:44	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

Sample: 02314 WSW-DUP-1      Lab ID: 92663451003      Collected: 04/19/23 08:52      Received: 04/20/23 09:45      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>									
Analytical Method: EPA 504.1      Preparation Method: EPA 504.1									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0058	1	04/24/23 11:15	04/24/23 14:41	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	110	%	70-130		1	04/24/23 11:15	04/24/23 14:41	301-79-56	
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/21/23 20:59	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/21/23 20:59	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/21/23 20:59	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/21/23 20:59	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/21/23 20:59	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/21/23 20:59	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/21/23 20:59	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/21/23 20:59	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		04/21/23 20:59	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/21/23 20:59	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/23 18:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/23 18:02	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/23 18:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/23 18:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/23 18:02	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/23 18:02	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/23 18:02	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/23 18:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/23 18:02	1634-04-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/24/23 18:02	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/24/23 18:02	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/24/23 18:02	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

**Sample:** 02314 TRIP BLANK      **Lab ID:** 92663451004      **Collected:** 04/19/23 00:00      **Received:** 04/20/23 09:45      **Matrix:** Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	mg/L	0.00050	0.00021	1		04/21/23 16:36	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		04/21/23 16:36	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		04/21/23 16:36	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		04/21/23 16:36	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		04/21/23 16:36	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		04/21/23 16:36	108-88-3	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		04/21/23 16:36	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		04/21/23 16:36	95-47-6	
<b>Surrogates</b>									
1,2-Dichlorobenzene-d4 (S)	92	%	70-130		1		04/21/23 16:36	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/21/23 16:36	460-00-4	
<b>8260 MSV Low Level SC</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/23 16:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/23 16:50	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/23 16:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/23 16:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/23 16:50	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/23 16:50	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/23 16:50	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/23 16:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		04/24/23 16:50	1634-04-4	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/24/23 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/24/23 16:50	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/24/23 16:50	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

QC Batch: 769617 Analysis Method: EPA 524.2  
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663451001, 92663451002, 92663451003, 92663451004

METHOD BLANK: 3995692 Matrix: Water  
Associated Lab Samples: 92663451001, 92663451002, 92663451003, 92663451004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	04/21/23 13:06	
Benzene	mg/L	ND	0.00050	0.00021	04/21/23 13:06	
Ethylbenzene	mg/L	ND	0.00050	0.00022	04/21/23 13:06	
m&p-Xylene	mg/L	ND	0.0010	0.00039	04/21/23 13:06	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	04/21/23 13:06	
Naphthalene	mg/L	ND	0.00050	0.00035	04/21/23 13:06	
o-Xylene	mg/L	ND	0.00050	0.00022	04/21/23 13:06	
Toluene	mg/L	ND	0.00050	0.00020	04/21/23 13:06	
1,2-Dichlorobenzene-d4 (S)	%	93	70-130		04/21/23 13:06	
4-Bromofluorobenzene (S)	%	96	70-130		04/21/23 13:06	

LABORATORY CONTROL SAMPLE: 3995693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.021	104	70-130	
Benzene	mg/L	0.02	0.020	99	70-130	
Ethylbenzene	mg/L	0.02	0.020	99	70-130	
m&p-Xylene	mg/L	0.04	0.042	104	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.019	97	70-130	
Naphthalene	mg/L	0.02	0.021	105	70-130	
o-Xylene	mg/L	0.02	0.021	105	70-130	
Toluene	mg/L	0.02	0.020	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

QC Batch: 769974 Analysis Method: EPA 8260D  
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663451001, 92663451002, 92663451003, 92663451004

METHOD BLANK: 3997289 Matrix: Water  
Associated Lab Samples: 92663451001, 92663451002, 92663451003, 92663451004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/24/23 12:37	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/24/23 12:37	
Ethanol	ug/L	ND	200	72.2	04/24/23 12:37	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/24/23 12:37	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	04/24/23 12:37	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/24/23 12:37	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/24/23 12:37	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/24/23 12:37	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/24/23 12:37	
1,2-Dichloroethane-d4 (S)	%	104	70-130		04/24/23 12:37	
4-Bromofluorobenzene (S)	%	93	70-130		04/24/23 12:37	
Toluene-d8 (S)	%	106	70-130		04/24/23 12:37	

LABORATORY CONTROL SAMPLE: 3997290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	400	416	104	70-130	
Diisopropyl ether	ug/L	20	19.3	96	70-130	
Ethanol	ug/L	800	802	100	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.4	98	70-130	
Methyl-tert-butyl ether	ug/L	20	19.8	99	70-130	
tert-Amyl Alcohol	ug/L	400	433	108	70-130	
tert-Amylmethyl ether	ug/L	40	42.7	107	70-130	
tert-Butyl Alcohol	ug/L	200	203	102	70-130	
tert-Butyl Formate	ug/L	160	171	107	70-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			80	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3997291 3997292

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92663456002 Result	Spike Conc.	Spike Conc.	Result							Result
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	408	434	102	109	39-157	6	30	
Diisopropyl ether	ug/L	ND	20	20	20.0	21.7	100	109	63-144	8	30	
Ethanol	ug/L	ND	800	800	713	811	89	101	39-176	13	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	41.7	44.0	104	110	66-137	5	30	

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663451

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3997291		3997292		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92663456002 Result	MS Spike Conc.	MSD Spike Conc.									
Methyl-tert-butyl ether	ug/L	ND	20	20	22.1	22.8	111	114	54-156	3	30		
tert-Amyl Alcohol	ug/L	ND	400	400	452	459	113	115	54-153	2	30		
tert-Amylmethyl ether	ug/L	ND	40	40	45.7	49.6	114	124	69-139	8	30		
tert-Butyl Alcohol	ug/L	ND	200	200	235	251	117	125	43-188	6	30		
tert-Butyl Formate	ug/L	ND	160	160	116	99.8	73	62	10-170	15	30		
1,2-Dichloroethane-d4 (S)	%						103	107	70-130				
4-Bromofluorobenzene (S)	%						110	99	70-130				
Toluene-d8 (S)	%						96	100	70-130				

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

QC Batch: 769875 Analysis Method: EPA 504.1  
QC Batch Method: EPA 504.1 Analysis Description: GCS 504 EDB DBCP  
Laboratory: Pace Analytical Services - Charlotte  
Associated Lab Samples: 92663451001, 92663451002, 92663451003

METHOD BLANK: 3996746 Matrix: Water  
Associated Lab Samples: 92663451001, 92663451002, 92663451003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	0.0059	04/24/23 11:45	
1-Chloro-2-bromopropane (S)	%	118	70-130		04/24/23 11:45	

LABORATORY CONTROL SAMPLE & LCSD: 3996747 3996748

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.30	0.28	113	107	70-130	7	20	
1-Chloro-2-bromopropane (S)	%				107	101	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3996749 3996750

Parameter	Units	92662032007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.24	0.26	94	101	65-135	7	20	
1-Chloro-2-bromopropane (S)	%						93	96	70-130			

SAMPLE DUPLICATE: 3996751

Parameter	Units	92662032008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	93	94			

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## QUALIFIERS

Project: MARUTI KUNDAL/2171.90

Pace Project No.: 92663451

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MARUTI KUNDAL/2171.90  
Pace Project No.: 92663451

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92663451001	02314 WSW-FB-1	EPA 504.1	769875	EPA 504.1	769905
92663451002	02314 WSW-1	EPA 504.1	769875	EPA 504.1	769905
92663451003	02314 WSW-DUP-1	EPA 504.1	769875	EPA 504.1	769905
92663451001	02314 WSW-FB-1	EPA 524.2	769617		
92663451002	02314 WSW-1	EPA 524.2	769617		
92663451003	02314 WSW-DUP-1	EPA 524.2	769617		
92663451004	02314 TRIP BLANK	EPA 524.2	769617		
92663451001	02314 WSW-FB-1	EPA 8260D	769974		
92663451002	02314 WSW-1	EPA 8260D	769974		
92663451003	02314 WSW-DUP-1	EPA 8260D	769974		
92663451004	02314 TRIP BLANK	EPA 8260D	769974		

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CHAIN-OF-CUSTODY Analytical Request Document

WO#: 92663451

Order Number or

Page 15 of 15

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields



ONLY

92663451

Company: Terry Environmental Services
Address: PO Box 25 Summerville, SC 29484
Report To: Kelly Cone

Billing Information:
Email To: kcone@terryenvironmental.com
Site Collection Info/Address:

Customer Project Name/Number: Manuti Kundal / 2171.90

State: County/City: Time Zone Collected:

Phone: 843-873-8200

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Lanaston Jones

Purchase Order #: Quote #:

DW PWS ID #: DW Location Code:

Collected By (signature): Lanaston Jones

Turnaround Date Required:

Immediately Packed on Ice: [x] Yes [ ] No

Sample Disposal: [x] Dispose as appropriate [ ] Return

Rush: [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day

Field Filtered (if applicable): [ ] Yes [x] No

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Table with columns: Customer Sample ID, Matrix \*, Comp / Grab, Collected (or Composite Start) Date, Time, Composite End Date, Time, Res Cl, # of Ctns

Analyses table with columns for various chemical analyses and results

Lab Profile/Line: Lab Sample Receipt Checklist: Custody Seals Present/Intact, Custody Signatures Present, Collector Signature Present, etc.

Handwritten numbers: 92663451, 001, 002, 003, 004

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: [x] Wet Blue Dry None

SHORT HOLDS PRESENT (<72 hours): Y [N] N/A

Lab Sample Temperature Info: Temp Blank Received: Y [N] NA

Packing Material Used:

Lab Tracking #: 2858813

Therm ID#: 11070

Radchem sample(s) screened (<500 cpm): Y N [NA]

Samples received via: FEDEX [x] UPS Client Courier Pace Courier

Cooler 1 Temp Upon Receipt: 23.0 C

Relinquished by/Company (Signature): Lanaston Jones

Date/Time: 4/19/23 1245

Received by/Company (Signature): MDC Benth

Date/Time: 04/19/23 1245

MTJL LAB USE ONLY Table #:

Relinquished by/Company (Signature): MDC Benth

Date/Time: 04/19/23 1900

Received by/Company (Signature): MDC Benth

Date/Time: 4/20/23 4:45

Acctnum: Template: Prelogin:

Cooler 1 Corrected Temp: 23.0 C

Relinquished by/Company (Signature):

Date/Time:

Received by/Company (Signature):

Date/Time:

PM: PB:

Trip Blank Received: [x] N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO Page: 1 of 1

**APPENDIX C**

**Tax Map  
(Not Applicable)**

**APPENDIX D**

**Soil Boring/Field Screening Logs  
(Not Applicable)**

**APPENDIX E**

**Well Completion Logs/SCDHEC 1903 Forms  
(Not Applicable)**

**APPENDIX F**

**Aquifer Evaluation Forms  
(Not Applicable)**

**APPENDIX G**  
**Disposal Manifest**



# US Water Recovery

<b>Non-Hazardous Manifest: Waste Water or Drums</b>		<b>Number:</b>	
1. Generator's EPA ID# (if applicable):		Waste ID Number:	
2. Generator's Name and Mailing Address: <i>Macosi Kunda Cheraw, SC</i>		Phone ( )	
		P O #: <i>217190</i>	
		UST#: <i>02314</i>	
3. Agent of Generator and Mailing Address: <i>Terry Environmental Services PO Box 25 Summerville, SC 29484</i>		Phone (843) <i>873-8700</i>	
		P O #:	
4. Transporter Company Name: <i>↓</i>		Phone ( )	
Truck & Trailer License Number:			
5. Transporter U.S. EPA ID#:			
6. Facility Name and Site Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445		Mailing Address: US Water Recovery 511 Old Mt. Holly Rd. Goose Creek, SC 29445	
		Phone: (843) 797-3111	
		Fax: (843) 797-1884	
7. Facility U.S. EPA ID#:			
Start Level:		End Level:	
		Total Gallons:	
		Tank Number	
8. U.S. DOT Description		Container	
		No. Type	
a. Non-Hazardous, non-regulated waste water		Unit	
		Quantity	
		<i>gal</i>	
		<i>15</i>	
9. Generator's Certification: I hereby declare that the contents of this consignment are not hazardous by definition or listing and are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and the laws of the State of South Carolina. I further certify that the contents of this consignment are as represented by the description contained on the Waste Profile Form previously submitted to and approved by the Designated Facility.			
Printed/Typed Name: <i>Lynette Jones</i>		Signature: <i>Lynette Jones</i>	
		Date: <i>4-19-23</i>	
10. Transporter Acknowledgement of Receipt of Materials			
Printed/Typed Name: <i>Jacob Watson</i>		Signature: <i>Jacob Watson</i>	
		Date: <i>4-27-23</i>	
11. Discrepancy Indication space:			
12. Facility Owner or Operator: Certification of Receipt of Materials			
Printed/Typed Name: <i>Don Ward</i>		Signature: <i>Don Ward</i>	
		Date: <i>4-27-23</i>	

White - Facility    Yellow - Office    Pink - Transporter    Blue - Generator

28798

**APPENDIX H**

**Local Zoning Regulations  
(Not Applicable)**

**APPENDIX I**

**Fate and Transport Modeling Data  
(Not Applicable)**

**APPENDIX J**

**Access Agreements  
(Not Applicable)**

## **APPENDIX K**

### **Data Verification Checklist**

## Contractor Checklist – Maruti Kundal (Former Windsor Mart)

**UST Permit #02314 - TERRY Project #2171.90**

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?	X		
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?	X		
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		

Item #	Item	Yes	No	N/A
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X Fig 4		X Fig 3
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing and incomplete information?

Not Applicable for the current directive.





JUN 20 2023

JACKSON OIL COMPANY  
755 S 4<sup>TH</sup> ST  
HARTSVILLE SC 29550

Re: **Notification of Site-Specific Target Levels**

Maruti Kundal DBA Country Cupboard 7, 820 Chesterfield Hwy (Hwy 9), Cheraw, SC  
UST Permit #02314  
Release reported December 6, 1991  
Monitoring Report received May 5, 2023  
Chesterfield County

To Whom It May Concern :

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has established Site-Specific Target Levels (SSTLs) for the above reported release. The SSTLs are being provided to you and your contractor to help you better plan the investigative and remedial activities that may be required.

Based upon the data submitted in the reference report, the concentrations were above the SSTLs. Therefore, the recommended course of action for the release is active cleanup. Additional work directives and approvals will be issued based on the site's risk priority classification and recommendations from your selected environmental contractor. Please reference the Site Rehabilitation Section of the UST Quality Assurance Program Plan for required information to submit to the UST Management Division.

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by email at NilesJD@dhec.sc.gov.

Sincerely,

Jake Niles, Hydrogeologist  
Corrective Action & Quality Assurance Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management

enc: SSTL Table

cc: Terry Environmental Services Inc, PO Box 25, Summerville, SC 29484 (w/ enc)  
Technical file (w/ enc)

**Groundwater SSTLs**

	Benzene	Toluene	Ethylbenzene	Xylene	Naphthalene	TAA	DIPE	Ethanol
MW-1	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-2R	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-3	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-4	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-7	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-8	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-12	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-13	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-14	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-15	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-19	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-20	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-21	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-23	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-24	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-25	44390	26540	3700	21680	6700	35900000	2670000	296000000
MW-27	44390	26540	3700	21680	6700	35900000	2670000	296000000
RW-1	44390	26540	3700	21680	6700	35900000	2670000	296000000
RW-2	44390	26540	3700	21680	6700	35900000	2670000	296000000
RW-3	44390	26540	3700	21680	6700	35900000	2670000	296000000
RW-4	44390	26540	3700	21680	6700	35900000	2670000	296000000
RW-5	44390	26540	3700	21680	6700	35900000	2670000	296000000

**Bold:** Calculated SSTL is greater than solubility limits --> SSTL is set to solubility limit

Underline: Current concentration is less than the RBSL --> SSTL is set to the RBSL

*Italic:* Laboratory analysis is less than calculated SSTL --> SSTL is set to laboratory analysis (Used for Receptors Only)