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October 29, 2020

Delivered via Email

Mr. Jeffery E. Mendenhall
South Carolina Department of Health and Environmental Control
Assessment Section, UST Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Subject: Lewis Drive – August/September 2020 Draft Data Transmittal
Plantation Pipe Line Company
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693, "Kinder Morgan Belton Pipeline Release"

Dear Mr. Mendenhall,

On behalf of Plantation Pipe Line Company (Plantation), and as agreed to in our November 1, 2018 meeting with South Carolina Department of Health and Environmental Control, Jacobs is sending this draft data transmittal for the groundwater and surface water sampling events conducted during August and September 2020. The following preliminary data summary tables are included with this submittal.

- Analytical Results for Groundwater – September 2020 (Table 1)
- Analytical Results for Surface Water – August/September 2020 (Table 2)

The preliminary analytical laboratory data sheets are included with this submittal as Attachment A.

If you have specific questions about this data transmittal, please call Tom Wiley/Jacobs at (404) 432-6312, or Mr. Jerry Aycock/Plantation at (770) 751-4165.



October 29, 2020

Subject: Lewis Drive – August/September 2020 Draft Data Transmittal
Plantation Pipe Line Company
Lewis Drive Remediation Site
Belton, South Carolina
Site ID #18693, "Kinder Morgan Belton Pipeline Release"

Regards,

A handwritten signature in blue ink, appearing to read "William M. Waldron".

William M. Waldron
Program Manager

Copies to: Jerry Aycock, Plantation, (Digital, Jerry_Aycock@kindermorgan.com)
Mary Clair Lyons, Esq., Plantation, (Digital, Mary_Lyons@kindermorgan.com)
Richard Morton, Esq., Womble Bond Dickinson, LLP, (Digital, ric.morton@wbd-us.com)

Attachments:

Table 1 - Analytical Results for Groundwater – September 2020

Table 2 - Analytical Results for Surface Water – August/September 2020

Attachment A – Analytical Laboratory Data Sheets (August – September 2020)

Tables

Table 1. Analytical Results for Groundwater - September 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Sample Date	Units	Analyte												
				Benzene	Ethylbenzene	Toluene	Total Xylenes	1,2-DCA	MTBE	Naphthalene	EDB					
RBSL^a:			µg/L	5.0	700	1,000	10,000	5.0	40	25	0.05					
MW-07	MW-07-091820	9/18/2020	µg/L	503	466	1,170	3,520	1	U	1	U	58.5	--			
MW-11	MW-11-091620	9/16/2020	µg/L	4,470	2,900	29,800	16,900	250	U ^b	250	U ^b	1,250	U ^b			
MW-12B	MW-12B-091620	9/16/2020	µg/L	19.5	1.38	2.81	U	4.89	1	U	1	U	6.53			
MW-13	MW-13-091520	9/15/2020	µg/L	4,510	349	380	1710	50	U ^b	50	U ^b	250	U ^b			
MW-13B	MW-13B-091820	9/18/2020	µg/L	3,270	52.1	69.7	150	U	50	U ^b	199	250	U ^b			
MW-15B	MW-15B-091820	9/18/2020	µg/L	6,310	327	1,670	2,560	200	U ^b	200	U ^b	1000	U ^b			
MW-17B	MW-17B-091620	9/16/2020	µg/L	6,130	1,450	15,300	9,710	250	U ^b	250	U ^b	1,250	U ^b			
MW-20	MW-20-091620	9/16/2020	µg/L	8,370	1,530	23,900	9,940	250	U ^b	250	U ^b	1250	U ^b			
MW-23	MW-23-091520	9/15/2020	µg/L	6,380	637	10,100	4120	20	U ^b	186		100	U ^b			
MW-36	MW-36-091520	9/15/2020	µg/L	10	U	10	U	10	U	9.18	10	U ^b	10	U		
MW-37	MW-37-091520	9/15/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	
MW-38	MW-38-091520	9/15/2020	µg/L	5	U	5	U	5	U	15	U	5	U	110		
MW-38B	MW-38B-091520	9/15/2020	µg/L	3,680	20	U	20	U	467	20	U ^b	207	100	U ^b		
MW-39	MW-39-091520	9/15/2020	µg/L	3.01	1	U	1	U	3	U	1	U	96.8	5	U	
MW-40	MW-40-091620	9/16/2020	µg/L	1	U	1	U	1	U	3	U	1	U	25.0	5	U
MW-41	MW-41-091520	9/15/2020	µg/L	1	U	1	U	1	U	3	U	1	U	1	U	5
MW-45	MW-45-091520	9/15/2020	µg/L	4.11	1	U	12.1	4.88	1	U	80.9	5	U	--		
MW-50B	MW-50B-091820	9/18/2020	µg/L	43.3	1	U	1	U	3	U	1	U	41.9	5	U	
MW-56	MW-56-091520	9/15/2020	µg/L	1	U	1	U	1	U	3	U	1	U	48.5	5	U
MW-57	MW-57-091520	9/15/2020	µg/L	38.1	1	U	1	U	3	U	1	U	97.2	5	U	
MW-60	MW-60-091520	9/15/2020	µg/L	1,190	20	U	20	U	55.7	20	U ^b	212	100	U ^b		

Notes:

^a RBSL = Risk-based screening levels identified in South Carolina Underground Storage Tank Management Division Programmatic Quality Assurance Program Plan, Revision 3.1, Table D1 "RBSLs for Groundwater", February 2016

^b The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit can not be determined.

Samples analyzed by EPA Methods SW 8260D

Bold indicates the analyte was detected above the method detection limit.

Gray shading indicates the analyte exceeded RBSLs.

µg/L = microgram(s) per liter

U = analyte was not detected above the reported sample quantitation ID = identification

MTBE = methyl tertiary butyl ether

1,2-DCA = 1,2-dichloroethane

EDB = 1,2-dibromoethane

Table 2. Analytical Results for Surface Water - August/September 2020

Plantation Pipe Line Company

Lewis Drive Remediation Site, Belton, South Carolina

Site ID #18693 "Kinder Morgan Belton Pipeline Release"

Location	Sample ID	Date Collected	Units	Analyte													
				Benzene		Ethylbenzene		Toluene		m&p-Xylene		o-Xylene		Naphthalene		MTBE	
			Screening Value (µg/L):	2.2	^a	530	^a	1,000	^a	NA	^b	NA	^b	NA	^b	NA	^b
SW-01	SW01-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW01-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-02	SW02-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1.68	
	SW02-091520	9/15/2020	µg/L	1.22		1	U	1	U	2	U	1	U	5	U	2.19	
SW-03	SW03-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	9/15/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
SW-04	SW04-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1.47	
	SW04-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1.82	
SW-05	SW05-080620	8/6/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
	--	9/15/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
SW-07	SW07-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	--	9/15/2020	--	NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW		NS-IW	
SW-08	SW08-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW08-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-09	SW09-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW09-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-10	SW10-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW10-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-11	SW11-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW11-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-12	SW12-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
	SW12-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U
SW-13	SW13-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1.53	
	SW13-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	2.18	
SW-14	SW14-080620	8/6/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	2.83	
	SW14-091520	9/15/2020	µg/L	1	U	1	U	1	U	2	U	1	U	5	U	1	U

Notes:

^a South Carolina Department of Health and Environmental Control (SC DHEC) R.61-68, Water Classifications and Standards, Human Health for consumption of water and organism, June 27, 2014.

^b Screening levels for these analytes are not specified in SC DHEC R. 61-68.

^c The analyte was analyzed for, but was not detected above the laboratory reporting/quantitation limit. However, the laboratory reporting/quantitation limit is above the screening criteria. The actual absence or presence of this analyte between the screening criteria and the laboratory reporting/quantitation limit can not be determined.

Samples analyzed by EPA Methods SW 8260D

Bold indicates the analyte was detected above the method detection limit.

Gray shading indicates the analyte exceeded its screening value.

U = analyte was not detected above the reported sample quantitation limit

µg/L = microgram(s) per liter

MTBE = methyl tertiary butyl ether

ID = identification

SW = surface water

NA = not available/not applicable

NS-IW = sample not collected due to insufficient volume of water in well

Attachment A
Analytical Laboratory Data Sheets
(August – September 2020)

September 28, 2020

Revised Report

Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1262629
Samples Received: 09/16/2020
Project Number: KMOMLD20
Description: Lewis Drive Groundwater
Site: LEWIS DRIVE
Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

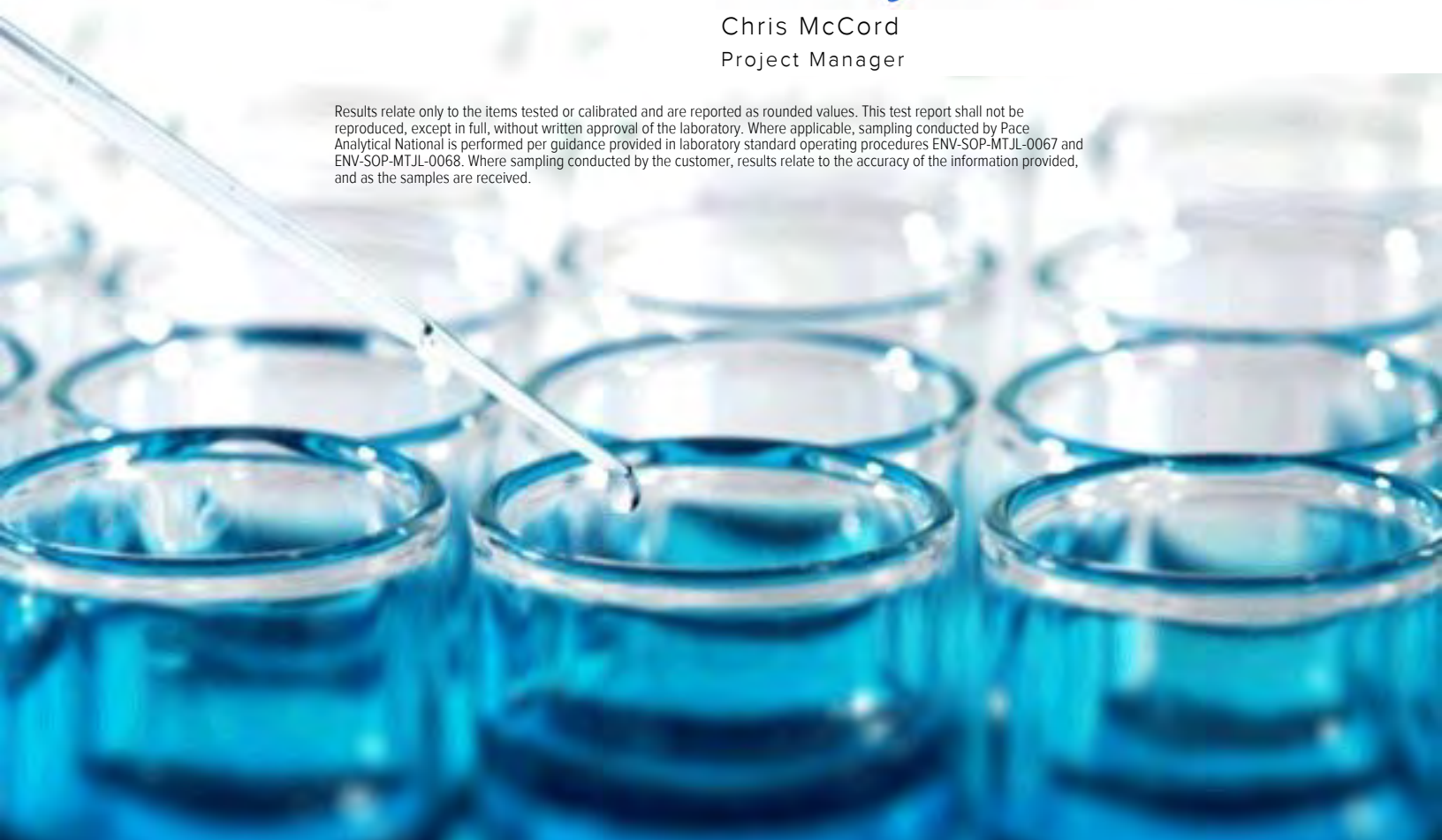
9 Sc

Entire Report Reviewed By:



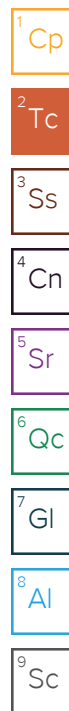
Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	5
Sr: Sample Results	6
MW-60-091520 L1262629-01	6
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MW-57-091520 L1262629-03	8
MW-41-091520 L1262629-04	9
MW-39-091520 L1262629-05	10
MW-37-091520 L1262629-06	11
MW-38-091520 L1262629-07	12
MW-38B-091520 L1262629-08	13
FB01-091520 L1262629-09	14
MW-13-091520 L1262629-11	15
MW-13-D-091520 L1262629-12	16
MW-23-091520 L1262629-13	17
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Qc: Quality Control Summary	20
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Gl: Glossary of Terms	24
Al: Accreditations & Locations	25
Sc: Sample Chain of Custody	26





All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Report Revision History

Level II Report - Version 1: 09/23/20 20:50

Project Narrative

The trip blank received is not reporting due to QC failure on the initial analysis.



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	1190		20.0	20	09/19/2020 17:21	WG1545872
Toluene	ND		20.0	20	09/19/2020 17:21	WG1545872
Ethylbenzene	ND		20.0	20	09/19/2020 17:21	WG1545872
Total Xylenes	ND		60.0	20	09/19/2020 17:21	WG1545872
Methyl tert-butyl ether	212		20.0	20	09/19/2020 17:21	WG1545872
Naphthalene	ND	<u>J3</u>	100	20	09/19/2020 17:21	WG1545872
1,2-Dichloroethane	ND		20.0	20	09/19/2020 17:21	WG1545872
(S) Toluene-d8	101		80.0-120		09/19/2020 17:21	WG1545872
(S) 4-Bromofluorobenzene	96.8		77.0-126		09/19/2020 17:21	WG1545872
(S) 1,2-Dichloroethane-d4	92.4		70.0-130		09/19/2020 17:21	WG1545872

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 15:59	WG1545872
Toluene	ND		1.00	1	09/19/2020 15:59	WG1545872
Ethylbenzene	ND		1.00	1	09/19/2020 15:59	WG1545872
Total Xylenes	ND		3.00	1	09/19/2020 15:59	WG1545872
Methyl tert-butyl ether	48.5		1.00	1	09/19/2020 15:59	WG1545872
Naphthalene	ND	<u>J3</u>	5.00	1	09/19/2020 15:59	WG1545872
1,2-Dichloroethane	ND		1.00	1	09/19/2020 15:59	WG1545872
(S) Toluene-d8	102		80.0-120		09/19/2020 15:59	WG1545872
(S) 4-Bromofluorobenzene	100		77.0-126		09/19/2020 15:59	WG1545872
(S) 1,2-Dichloroethane-d4	96.5		70.0-130		09/19/2020 15:59	WG1545872

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	38.1		1.00	1	09/19/2020 16:19	WG1545872
Toluene	ND		1.00	1	09/19/2020 16:19	WG1545872
Ethylbenzene	ND		1.00	1	09/19/2020 16:19	WG1545872
Total Xylenes	ND		3.00	1	09/19/2020 16:19	WG1545872
Methyl tert-butyl ether	97.2		1.00	1	09/19/2020 16:19	WG1545872
Naphthalene	ND	<u>J3</u>	5.00	1	09/19/2020 16:19	WG1545872
1,2-Dichloroethane	ND		1.00	1	09/19/2020 16:19	WG1545872
(S) Toluene-d8	103		80.0-120		09/19/2020 16:19	WG1545872
(S) 4-Bromofluorobenzene	102		77.0-126		09/19/2020 16:19	WG1545872
(S) 1,2-Dichloroethane-d4	93.4		70.0-130		09/19/2020 16:19	WG1545872

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 16:40	WG1545872
Toluene	ND		1.00	1	09/19/2020 16:40	WG1545872
Ethylbenzene	ND		1.00	1	09/19/2020 16:40	WG1545872
Total Xylenes	ND		3.00	1	09/19/2020 16:40	WG1545872
Methyl tert-butyl ether	ND		1.00	1	09/19/2020 16:40	WG1545872
Naphthalene	ND	J3	5.00	1	09/19/2020 16:40	WG1545872
1,2-Dichloroethane	ND		1.00	1	09/19/2020 16:40	WG1545872
(S) Toluene-d8	102		80.0-120		09/19/2020 16:40	WG1545872
(S) 4-Bromofluorobenzene	97.8		77.0-126		09/19/2020 16:40	WG1545872
(S) 1,2-Dichloroethane-d4	99.5		70.0-130		09/19/2020 16:40	WG1545872

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	3.01		1.00	1	09/19/2020 17:00	WG1545872
Toluene	ND		1.00	1	09/19/2020 17:00	WG1545872
Ethylbenzene	ND		1.00	1	09/19/2020 17:00	WG1545872
Total Xylenes	ND		3.00	1	09/19/2020 17:00	WG1545872
Methyl tert-butyl ether	96.8		1.00	1	09/19/2020 17:00	WG1545872
Naphthalene	ND	<u>J3</u>	5.00	1	09/19/2020 17:00	WG1545872
1,2-Dichloroethane	ND		1.00	1	09/19/2020 17:00	WG1545872
(S) Toluene-d8	102		80.0-120		09/19/2020 17:00	WG1545872
(S) 4-Bromofluorobenzene	105		77.0-126		09/19/2020 17:00	WG1545872
(S) 1,2-Dichloroethane-d4	94.1		70.0-130		09/19/2020 17:00	WG1545872

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/23/2020 08:19	WG1547385
Toluene	ND		1.00	1	09/23/2020 08:19	WG1547385
Ethylbenzene	ND		1.00	1	09/23/2020 08:19	WG1547385
Total Xylenes	ND		3.00	1	09/23/2020 08:19	WG1547385
Methyl tert-butyl ether	ND		1.00	1	09/23/2020 08:19	WG1547385
Naphthalene	ND		5.00	1	09/23/2020 08:19	WG1547385
1,2-Dichloroethane	ND		1.00	1	09/23/2020 08:19	WG1547385
(S) Toluene-d8	96.6		80.0-120		09/23/2020 08:19	WG1547385
(S) 4-Bromofluorobenzene	89.1		77.0-126		09/23/2020 08:19	WG1547385
(S) 1,2-Dichloroethane-d4	109		70.0-130		09/23/2020 08:19	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		5.00	5	09/23/2020 08:41	WG1547385
Toluene	ND		5.00	5	09/23/2020 08:41	WG1547385
Ethylbenzene	ND		5.00	5	09/23/2020 08:41	WG1547385
Total Xylenes	ND		15.0	5	09/23/2020 08:41	WG1547385
Methyl tert-butyl ether	110		5.00	5	09/23/2020 08:41	WG1547385
Naphthalene	ND		25.0	5	09/23/2020 08:41	WG1547385
1,2-Dichloroethane	ND		5.00	5	09/23/2020 08:41	WG1547385
(S) Toluene-d8	105		80.0-120		09/23/2020 08:41	WG1547385
(S) 4-Bromofluorobenzene	90.1		77.0-126		09/23/2020 08:41	WG1547385
(S) 1,2-Dichloroethane-d4	111		70.0-130		09/23/2020 08:41	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Sample Narrative:

L1262629-07 WG1547385: Non-target compounds too high to run at a lower dilution.



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	3680		20.0	20	09/23/2020 09:02	WG1547385
Toluene	ND		20.0	20	09/23/2020 09:02	WG1547385
Ethylbenzene	ND		20.0	20	09/23/2020 09:02	WG1547385
Total Xylenes	467		60.0	20	09/23/2020 09:02	WG1547385
Methyl tert-butyl ether	207		20.0	20	09/23/2020 09:02	WG1547385
Naphthalene	ND		100	20	09/23/2020 09:02	WG1547385
1,2-Dichloroethane	ND		20.0	20	09/23/2020 09:02	WG1547385
(S) Toluene-d8	104		80.0-120		09/23/2020 09:02	WG1547385
(S) 4-Bromofluorobenzene	93.7		77.0-126		09/23/2020 09:02	WG1547385
(S) 1,2-Dichloroethane-d4	109		70.0-130		09/23/2020 09:02	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/23/2020 07:57	WG1547385
Toluene	ND		1.00	1	09/23/2020 07:57	WG1547385
Ethylbenzene	ND		1.00	1	09/23/2020 07:57	WG1547385
Total Xylenes	ND		3.00	1	09/23/2020 07:57	WG1547385
Methyl tert-butyl ether	ND		1.00	1	09/23/2020 07:57	WG1547385
Naphthalene	ND		5.00	1	09/23/2020 07:57	WG1547385
1,2-Dichloroethane	ND		1.00	1	09/23/2020 07:57	WG1547385
(S) Toluene-d8	101		80.0-120		09/23/2020 07:57	WG1547385
(S) 4-Bromofluorobenzene	91.2		77.0-126		09/23/2020 07:57	WG1547385
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/23/2020 07:57	WG1547385

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	4510		50.0	50	09/23/2020 09:24	WG1547385
Toluene	380		50.0	50	09/23/2020 09:24	WG1547385
Ethylbenzene	349		50.0	50	09/23/2020 09:24	WG1547385
Total Xylenes	1710		150	50	09/23/2020 09:24	WG1547385
Methyl tert-butyl ether	ND		50.0	50	09/23/2020 09:24	WG1547385
Naphthalene	ND		250	50	09/23/2020 09:24	WG1547385
1,2-Dichloroethane	ND		50.0	50	09/23/2020 09:24	WG1547385
(S) Toluene-d8	101		80.0-120		09/23/2020 09:24	WG1547385
(S) 4-Bromofluorobenzene	93.7		77.0-126		09/23/2020 09:24	WG1547385
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/23/2020 09:24	WG1547385

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	4390		100	100	09/23/2020 09:45	WG1547385
Toluene	373		100	100	09/23/2020 09:45	WG1547385
Ethylbenzene	352		100	100	09/23/2020 09:45	WG1547385
Total Xylenes	1830		3.00	1	09/19/2020 16:52	WG1545901
Methyl tert-butyl ether	ND		1.00	1	09/19/2020 16:52	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 16:52	WG1545901
1,2-Dichloroethane	ND		1.00	1	09/19/2020 16:52	WG1545901
(S) Toluene-d8	97.3		80.0-120		09/19/2020 16:52	WG1545901
(S) Toluene-d8	101		80.0-120		09/23/2020 09:45	WG1547385
(S) 4-Bromofluorobenzene	95.4		77.0-126		09/19/2020 16:52	WG1545901
(S) 4-Bromofluorobenzene	91.0		77.0-126		09/23/2020 09:45	WG1547385
(S) 1,2-Dichloroethane-d4	129		70.0-130		09/19/2020 16:52	WG1545901
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/23/2020 09:45	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	6380		200	200	09/23/2020 10:07	WG1547385
Toluene	10100		200	200	09/23/2020 10:07	WG1547385
Ethylbenzene	637		20.0	20	09/19/2020 18:28	WG1545901
Total Xylenes	4120		60.0	20	09/19/2020 18:28	WG1545901
Methyl tert-butyl ether	186		20.0	20	09/19/2020 18:28	WG1545901
Naphthalene	ND		100	20	09/19/2020 18:28	WG1545901
1,2-Dichloroethane	ND		20.0	20	09/19/2020 18:28	WG1545901
(S) Toluene-d8	97.3		80.0-120		09/19/2020 18:28	WG1545901
(S) Toluene-d8	102		80.0-120		09/23/2020 10:07	WG1547385
(S) 4-Bromofluorobenzene	102		77.0-126		09/19/2020 18:28	WG1545901
(S) 4-Bromofluorobenzene	90.6		77.0-126		09/23/2020 10:07	WG1547385
(S) 1,2-Dichloroethane-d4	130		70.0-130		09/19/2020 18:28	WG1545901
(S) 1,2-Dichloroethane-d4	112		70.0-130		09/23/2020 10:07	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	4.11		1.00	1	09/23/2020 10:28	WG1547385
Toluene	12.1		1.00	1	09/23/2020 10:28	WG1547385
Ethylbenzene	ND		1.00	1	09/19/2020 17:11	WG1545901
Total Xylenes	4.88		3.00	1	09/19/2020 17:11	WG1545901
Methyl tert-butyl ether	80.9		1.00	1	09/19/2020 17:11	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 17:11	WG1545901
1,2-Dichloroethane	ND		1.00	1	09/19/2020 17:11	WG1545901
(S) Toluene-d8	101		80.0-120		09/19/2020 17:11	WG1545901
(S) Toluene-d8	102		80.0-120		09/23/2020 10:28	WG1547385
(S) 4-Bromofluorobenzene	99.9		77.0-126		09/19/2020 17:11	WG1545901
(S) 4-Bromofluorobenzene	89.9		77.0-126		09/23/2020 10:28	WG1547385
(S) 1,2-Dichloroethane-d4	129		70.0-130		09/19/2020 17:11	WG1545901
(S) 1,2-Dichloroethane-d4	109		70.0-130		09/23/2020 10:28	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		10.0	10	09/19/2020 17:30	WG1545901
Toluene	ND		10.0	10	09/19/2020 17:30	WG1545901
Ethylbenzene	ND		10.0	10	09/19/2020 17:30	WG1545901
Total Xylenes	ND		30.0	10	09/19/2020 17:30	WG1545901
Methyl tert-butyl ether	ND		10.0	10	09/19/2020 17:30	WG1545901
Naphthalene	ND		50.0	10	09/19/2020 17:30	WG1545901
1,2-Dichloroethane	ND		10.0	10	09/19/2020 17:30	WG1545901
(S) Toluene-d8	100		80.0-120		09/19/2020 17:30	WG1545901
(S) 4-Bromofluorobenzene	96.7		77.0-126		09/19/2020 17:30	WG1545901
(S) 1,2-Dichloroethane-d4	129		70.0-130		09/19/2020 17:30	WG1545901

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Sample Narrative:

L1262629-15 WG1545901: Dilution due to foamy matrix.

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta GA 30309

Report to:
Bethany Garvey

Billing Information:

Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Email To:
bethany.garvey@jacobs.com; tom.wiley@jacobs

Project Description:
Lewis Drive Groundwater

City/State
Collected: **BELTON, SC**

Please Circle:
PT MT CT ET

Phone: **404-751-5651**

Client Project #
KMOMLD 20

Lab Project #
KINCH2MGA-LEWIS12

Collected by (print):
MELISSA WARREN

Site/Facility ID #
LEWIS DRIVE

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed

Immediately Packed on Ice **N** **Y**

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-60-091520	GRAB	GW	NA	09/15/20	1345	3
MW-56-091520		GW			1355	3
MW-57-091520		GW			1405	3
MW-41-091520		GW			1410	3
MW-39-091520		GW			1415	3
MW-37-091520		GW			1435	3
MW-38-091520		GW			1430	3
MW-38B-091520		GW			1440	3
FB01-091520		GW			1525	3
TB01-091520		GW			NOTIME	10

V8260BTEXMNSC 40m/Amb-HCl

TRIP BLANK

Analysis / Container / Preservative

Pres	Chk								
X	X								



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **C1262629**
E052

Acctnum: **KINCH2MGA**
Template: **T146009**
Prelogin: **P796915**
PM: **526 - Chris McCord**
PB: **99-20206**

Shipped Via: **FedEX Ground**

Remarks	Sample # (lab only)
	-01
	-02
	-03
	-04
	-05
	-06
	-07
	-08
	-09
TRIP BLANK	90

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist	
COC Seal Present/Intact:	NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Samples returned via:
 UPS FedEx Courier

Tracking # **9154 2497 9785**

Relinquished by: (Signature)
[Signature]

Date: **09/15/20** Time: **1930**

Received by: (Signature)

Trip Blank Received: Yes / No
HCl / MeOH
TBR

Relinquished by: (Signature)

Date: _____ Time: _____

Received by: (Signature)

Temp: **Water** Bottles Received: **42**
1.5-1.4

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date: _____ Time: _____

Received for lab by: (Signature)
[Signature]

Date: **9/15/20** Time: **9:30**

Hold: _____ Condition: **NCF / OK**

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta GA 30309

Report to:
Bethany Garvey

Project Description:
Lewis Drive Groundwater

Phone: **770-604-9182**

Collected by (print):
M. WARREN

Collected by (signature):
M. Warren

Immediately Packed on Ice N Y

Billing Information:

Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Email To:
bethany.garvey@jacobs.com;tom.wiley@jacobs

City/State Collected: **BELTON, SC**

Please Circle:
PT MT CT ET

Client Project #

KMLDOM20

Lab Project #

KINCH2MGA-LEWIS12

Site/Facility ID #

LEWIS DRIVE

P.O. #

Quote #

Rush? (Lab MUST Be Notified)

Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 2 of 2



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **61242429**

Table #

Accctnum: **KINCH2MGA**

Template: **T148391**

Prelogin: **P771035**

PM: **526 - Chris McCord**

PB: **4-30-2026**

Shipped Via: **FedEX Standard**

Remarks Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V8260BTEXMNSC 40mlAmb-HCl	V8260BTEXMNSC-TB 40mlAmb-HCl-Bik													
MW-13-091520	GRAB	GW		09/15/20	1722	3	X														-11
MW-13-D-091520		GW			1725	3	X														-12
MW-23-091520		GW			1745	3	X														-13
MW-45-091520		GW			1800	3	X														-14
MW-36-091520		GW			1845	3	X														-15
		GW					X	X													
		GW					X	X													
		GW					X	X													
		GW					X	X													

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks: V8260BTEXMNSC = BTEX, MTBE, Naphthalene, and 1,2-DCA

pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist	
COC Seal Present/Intact: <u>NP</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Samples returned via: UPS FedEx Courier
Tracking # _____

Relinquished by: (Signature) <i>M. Warren</i>	Date: 09/15/20	Time: 1930	Received by: (Signature) <i>[Signature]</i>	Trip Blank Received: <u>Yes/No</u> <u>NCL/MeoH</u> <u>TBR</u>	Bottles Received: <u>42</u>	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 9/15/20	Time: 9:30	Hold:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 9/15/20	Time: 9:30	Condition: NCF <input checked="" type="checkbox"/> OK

September 29, 2020

Revised Report

Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1263134
Samples Received: 09/17/2020
Project Number: KMLDOM20
Description: Lewis Drive Groundwater
Site: LEWIS DRIVE
Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

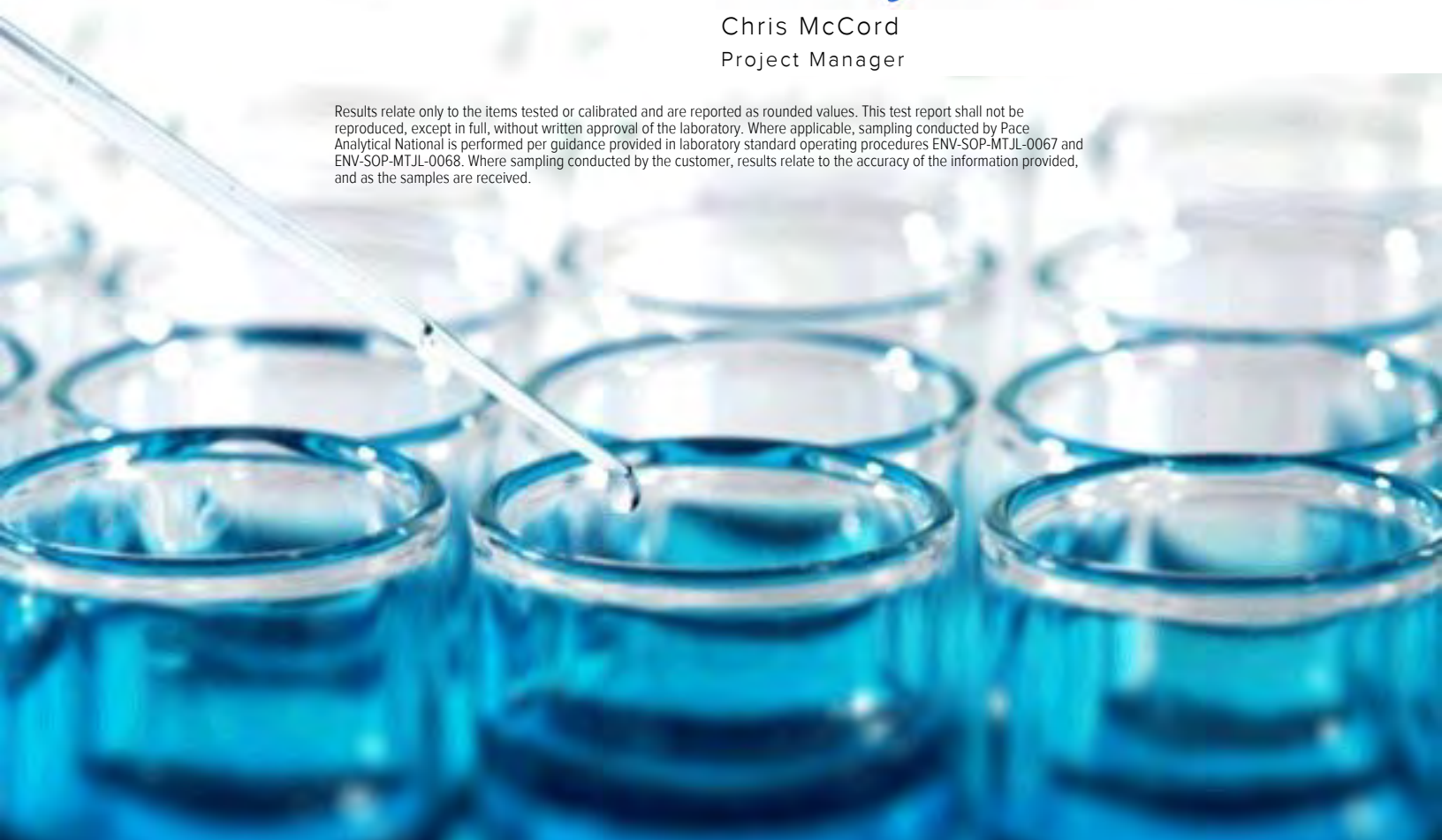
9 Sc

Entire Report Reviewed By:



Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	4	
Sr: Sample Results	5	3 Ss
MW-40-091620 L1263134-01	5	
MW-12B-091620 L1263134-02	6	4 Cn
MW-17B-091620 L1263134-03	7	5 Sr
FB02-091620 L1263134-04	8	
MW-20-091620 L1263134-05	9	6 Qc
MW-11-091620 L1263134-06	10	
TB02-091620 L1263134-07	11	7 Gl
Qc: Quality Control Summary	12	8 Al
Volatile Organic Compounds (GC/MS) by Method 8260D	12	
Gl: Glossary of Terms	14	9 Sc
Al: Accreditations & Locations	15	
Sc: Sample Chain of Custody	16	



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Report Revision History

Level II Report - Version 1: 09/28/20 21:59



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/24/2020 22:52	WG1548019
Toluene	ND		1.00	1	09/24/2020 22:52	WG1548019
Ethylbenzene	ND		1.00	1	09/24/2020 22:52	WG1548019
Total Xylenes	ND		3.00	1	09/24/2020 22:52	WG1548019
Methyl tert-butyl ether	25.0		1.00	1	09/24/2020 22:52	WG1548019
Naphthalene	ND		5.00	1	09/24/2020 22:52	WG1548019
1,2-Dichloroethane	ND		1.00	1	09/24/2020 22:52	WG1548019
(S) Toluene-d8	101		80.0-120		09/24/2020 22:52	WG1548019
(S) 4-Bromofluorobenzene	98.8		77.0-126		09/24/2020 22:52	WG1548019
(S) 1,2-Dichloroethane-d4	93.5		70.0-130		09/24/2020 22:52	WG1548019

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	19.5		1.00	1	09/24/2020 23:13	WG1548019
Toluene	2.81		1.00	1	09/24/2020 23:13	WG1548019
Ethylbenzene	1.38		1.00	1	09/24/2020 23:13	WG1548019
Total Xylenes	4.89		3.00	1	09/24/2020 23:13	WG1548019
Methyl tert-butyl ether	ND		1.00	1	09/24/2020 23:13	WG1548019
Naphthalene	6.53		5.00	1	09/24/2020 23:13	WG1548019
1,2-Dichloroethane	ND		1.00	1	09/24/2020 23:13	WG1548019
(S) Toluene-d8	98.8		80.0-120		09/24/2020 23:13	WG1548019
(S) 4-Bromofluorobenzene	95.4		77.0-126		09/24/2020 23:13	WG1548019
(S) 1,2-Dichloroethane-d4	95.3		70.0-130		09/24/2020 23:13	WG1548019

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	6130		250	250	09/25/2020 17:20	WG1549169
Toluene	15300		250	250	09/25/2020 17:20	WG1549169
Ethylbenzene	1450		250	250	09/25/2020 17:20	WG1549169
Total Xylenes	9710		750	250	09/25/2020 17:20	WG1549169
Methyl tert-butyl ether	ND		250	250	09/25/2020 17:20	WG1549169
Naphthalene	ND		1250	250	09/25/2020 17:20	WG1549169
1,2-Dichloroethane	ND		250	250	09/25/2020 17:20	WG1549169
(S) Toluene-d8	101		80.0-120		09/25/2020 17:20	WG1549169
(S) 4-Bromofluorobenzene	101		77.0-126		09/25/2020 17:20	WG1549169
(S) 1,2-Dichloroethane-d4	95.6		70.0-130		09/25/2020 17:20	WG1549169

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/24/2020 21:50	WG1548019
Toluene	6.30		1.00	1	09/24/2020 21:50	WG1548019
Ethylbenzene	ND		1.00	1	09/24/2020 21:50	WG1548019
Total Xylenes	ND		3.00	1	09/24/2020 21:50	WG1548019
Methyl tert-butyl ether	ND		1.00	1	09/24/2020 21:50	WG1548019
Naphthalene	ND		5.00	1	09/24/2020 21:50	WG1548019
1,2-Dichloroethane	ND		1.00	1	09/24/2020 21:50	WG1548019
(S) Toluene-d8	100		80.0-120		09/24/2020 21:50	WG1548019
(S) 4-Bromofluorobenzene	98.8		77.0-126		09/24/2020 21:50	WG1548019
(S) 1,2-Dichloroethane-d4	95.6		70.0-130		09/24/2020 21:50	WG1548019

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	8370		250	250	09/25/2020 08:05	WG1548019
Toluene	23900		250	250	09/25/2020 08:05	WG1548019
Ethylbenzene	1530		250	250	09/25/2020 08:05	WG1548019
Total Xylenes	9940		750	250	09/25/2020 08:05	WG1548019
Methyl tert-butyl ether	ND		250	250	09/25/2020 08:05	WG1548019
Naphthalene	ND		1250	250	09/25/2020 08:05	WG1548019
1,2-Dichloroethane	ND		250	250	09/25/2020 08:05	WG1548019
(S) Toluene-d8	103		80.0-120		09/25/2020 08:05	WG1548019
(S) 4-Bromofluorobenzene	100		77.0-126		09/25/2020 08:05	WG1548019
(S) 1,2-Dichloroethane-d4	91.1		70.0-130		09/25/2020 08:05	WG1548019

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	4470		250	250	09/25/2020 17:40	WG1549169
Toluene	29800		250	250	09/25/2020 17:40	WG1549169
Ethylbenzene	2900		250	250	09/25/2020 17:40	WG1549169
Total Xylenes	16900		750	250	09/25/2020 17:40	WG1549169
Methyl tert-butyl ether	ND		250	250	09/25/2020 17:40	WG1549169
Naphthalene	ND		1250	250	09/25/2020 17:40	WG1549169
1,2-Dichloroethane	ND		250	250	09/25/2020 17:40	WG1549169
(S) Toluene-d8	103		80.0-120		09/25/2020 17:40	WG1549169
(S) 4-Bromofluorobenzene	96.1		77.0-126		09/25/2020 17:40	WG1549169
(S) 1,2-Dichloroethane-d4	92.9		70.0-130		09/25/2020 17:40	WG1549169

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/24/2020 22:11	WG1548019
Toluene	14.7		1.00	1	09/24/2020 22:11	WG1548019
Ethylbenzene	ND		1.00	1	09/24/2020 22:11	WG1548019
Total Xylenes	ND		3.00	1	09/24/2020 22:11	WG1548019
Methyl tert-butyl ether	ND		1.00	1	09/24/2020 22:11	WG1548019
Naphthalene	ND		5.00	1	09/24/2020 22:11	WG1548019
1,2-Dichloroethane	ND		1.00	1	09/24/2020 22:11	WG1548019
(S) Toluene-d8	99.2		80.0-120		09/24/2020 22:11	WG1548019
(S) 4-Bromofluorobenzene	95.1		77.0-126		09/24/2020 22:11	WG1548019
(S) 1,2-Dichloroethane-d4	88.5		70.0-130		09/24/2020 22:11	WG1548019

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta GA 30309

Billing Information:
Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Report to:
Bethany Garvey

Email To:
bethany.garvey@jacobs.com; tom.wiley@jacobs

Project Description:
Lewis Drive Groundwater

City/State Collected: **BELTON, SC**

Please Circle:
PT MT CT ET

Phone: 404-751-5651

Client Project #
KMLDOM 20

Lab Project #
KINCH2MGA-LEWIS12

Collected by (print):
MELISSA WARREN

Site/Facility ID #
LEWIS DRIVE

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately Packed on Ice N Y

Same Day Five Day
Next Day 5 Day (Rad Only)
Two Day 10 Day (Rad Only)
Three Day

Date Results Needed

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
MW-40-091620	GRAB	GW	NA	09/16/20	1440	3
MW-12B-091620	↓	GW	↓	↓	1455	3
MW-17B-091620	↓	GW	↓	↓	1250	3
FB02-091620	↓	GW	↓	↓	1820	3
MW-20-091620	↓	GW	↓	↓	1810	3
MW-11-091620	↓	GW	↓	↓	1755	3
TB02-091620	↓	—	↓	↓	—	—

V8260BTEXMNSC-40MIAMB-HCI

Analysis / Container / Preservative

Pres Chk

Chain of Custody Page 1 of 1



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **203134**
Table # **F180**
Acctnum: **KINCH2MGA**
Template: **T146009**
Prelogin: **P796915**
PM: 526 - Chris McCord
PB: **9-9-2020**
Shipped Via: **FedEx Ground**

Remarks Sample # (lab only)

Remarks	Sample # (lab only)
	01
	02
	03
	04
DIUTE SHEEN	05
DIUTE SHEEN	06

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:
pH _____ Temp _____
Flow _____ Other _____

Sample Receipt Checklist

COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
If Applicable		
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Samples returned via: 2 UPS FedEx Courier Tracking # **1603 5759 8051**

Relinquished by: (Signature) <i>[Signature]</i>	Date: 09/16/20	Time: 1930	Received by: (Signature)	Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No HCl/MeOH TBR
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature)	Temp: °C 18 Bottles Received: 18
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 9/17/20 Time: 930 Hold: Condition: NCF / OK

Kinder Morgan- Atlanta, GA

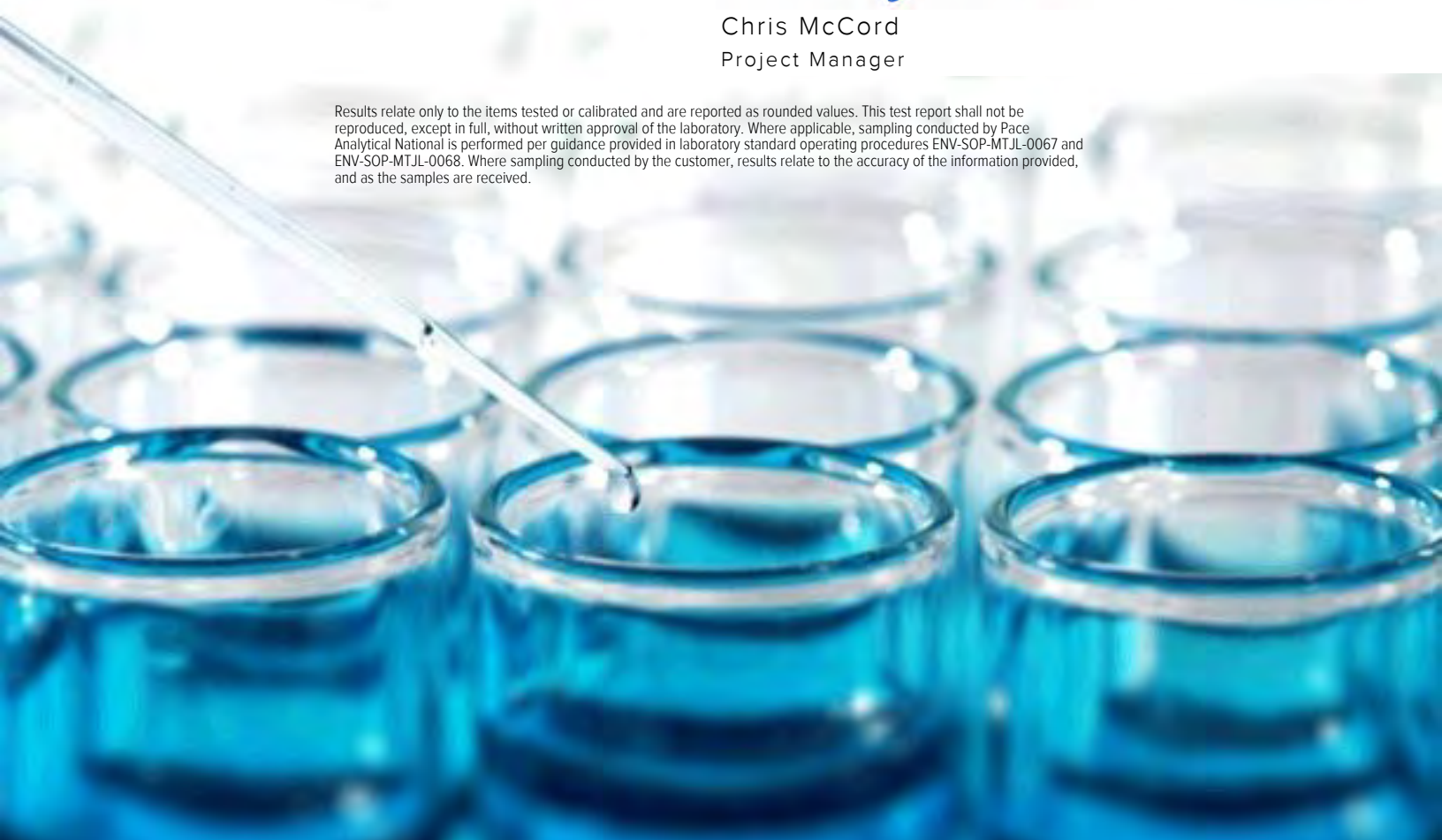
Sample Delivery Group: L1264213
Samples Received: 09/19/2020
Project Number: KMOMLD20
Description: Lewis Drive Groundwater
Site: LEWIS DRIVE
Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:



Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	¹Cp
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MW-07-091820 L1264213-02	6	⁴Cn
MW-13B-091820 L1264213-03	7	⁵Sr
FB03-091820 L1264213-04	8	
MW-15B-091820 L1264213-05	9	⁶Qc
TB03-091820 L1264213-06	10	⁷Gl
Qc: Quality Control Summary	11	
Volatile Organic Compounds (GC/MS) by Method 8260D	11	⁸Al
Gl: Glossary of Terms	14	
Al: Accreditations & Locations	15	⁹Sc
Sc: Sample Chain of Custody	16	



All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	43.3		1.00	1	09/29/2020 00:57	WG1550797
Toluene	ND		1.00	1	09/29/2020 00:57	WG1550797
Ethylbenzene	ND		1.00	1	09/29/2020 00:57	WG1550797
Total Xylenes	ND		3.00	1	09/29/2020 00:57	WG1550797
Methyl tert-butyl ether	41.9		1.00	1	09/29/2020 00:57	WG1550797
Naphthalene	ND		5.00	1	09/29/2020 00:57	WG1550797
1,2-Dichloroethane	ND		1.00	1	09/29/2020 00:57	WG1550797
(S) Toluene-d8	105		80.0-120		09/29/2020 00:57	WG1550797
(S) 4-Bromofluorobenzene	94.3		77.0-126		09/29/2020 00:57	WG1550797
(S) 1,2-Dichloroethane-d4	98.8		70.0-130		09/29/2020 00:57	WG1550797

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Benzene	503		50.0	50	09/29/2020 23:46	WG1551332
Toluene	1170		50.0	50	09/29/2020 23:46	WG1551332
Ethylbenzene	466		50.0	50	09/29/2020 23:46	WG1551332
Total Xylenes	3520		150	50	09/29/2020 23:46	WG1551332
Methyl tert-butyl ether	ND		1.00	1	09/29/2020 01:17	WG1550797
Naphthalene	58.5		5.00	1	09/29/2020 01:17	WG1550797
1,2-Dichloroethane	ND		1.00	1	09/29/2020 01:17	WG1550797
(S) Toluene-d8	87.2		80.0-120		09/29/2020 01:17	WG1550797
(S) Toluene-d8	101		80.0-120		09/29/2020 23:46	WG1551332
(S) 4-Bromofluorobenzene	99.6		77.0-126		09/29/2020 01:17	WG1550797
(S) 4-Bromofluorobenzene	100		77.0-126		09/29/2020 23:46	WG1551332
(S) 1,2-Dichloroethane-d4	108		70.0-130		09/29/2020 01:17	WG1550797
(S) 1,2-Dichloroethane-d4	100		70.0-130		09/29/2020 23:46	WG1551332

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	3270		50.0	50	09/29/2020 05:42	WG1550797
Toluene	69.7		50.0	50	09/29/2020 05:42	WG1550797
Ethylbenzene	52.1		50.0	50	09/29/2020 05:42	WG1550797
Total Xylenes	ND		150	50	09/29/2020 05:42	WG1550797
Methyl tert-butyl ether	199		50.0	50	09/29/2020 05:42	WG1550797
Naphthalene	ND		250	50	09/29/2020 05:42	WG1550797
1,2-Dichloroethane	ND		50.0	50	09/29/2020 05:42	WG1550797
(S) Toluene-d8	103		80.0-120		09/29/2020 05:42	WG1550797
(S) 4-Bromofluorobenzene	94.3		77.0-126		09/29/2020 05:42	WG1550797
(S) 1,2-Dichloroethane-d4	96.6		70.0-130		09/29/2020 05:42	WG1550797

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/28/2020 09:10	WG1550126
Toluene	ND		1.00	1	09/28/2020 09:10	WG1550126
Ethylbenzene	ND		1.00	1	09/28/2020 09:10	WG1550126
Total Xylenes	ND		3.00	1	09/28/2020 09:10	WG1550126
Methyl tert-butyl ether	ND		1.00	1	09/28/2020 09:10	WG1550126
Naphthalene	ND		5.00	1	09/28/2020 09:10	WG1550126
1,2-Dichloroethane	ND		1.00	1	09/28/2020 09:10	WG1550126
(S) Toluene-d8	107		80.0-120		09/28/2020 09:10	WG1550126
(S) 4-Bromofluorobenzene	98.9		77.0-126		09/28/2020 09:10	WG1550126
(S) 1,2-Dichloroethane-d4	96.0		70.0-130		09/28/2020 09:10	WG1550126

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	6310		200	200	09/29/2020 06:03	WG1550797
Toluene	1670		200	200	09/29/2020 06:03	WG1550797
Ethylbenzene	327		200	200	09/29/2020 06:03	WG1550797
Total Xylenes	2560		600	200	09/29/2020 06:03	WG1550797
Methyl tert-butyl ether	ND		200	200	09/29/2020 06:03	WG1550797
Naphthalene	ND		1000	200	09/29/2020 06:03	WG1550797
1,2-Dichloroethane	ND		200	200	09/29/2020 06:03	WG1550797
(S) Toluene-d8	102		80.0-120		09/29/2020 06:03	WG1550797
(S) 4-Bromofluorobenzene	95.3		77.0-126		09/29/2020 06:03	WG1550797
(S) 1,2-Dichloroethane-d4	96.6		70.0-130		09/29/2020 06:03	WG1550797

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/28/2020 09:31	WG1550126
Toluene	ND		1.00	1	09/28/2020 09:31	WG1550126
Ethylbenzene	ND		1.00	1	09/28/2020 09:31	WG1550126
Total Xylenes	ND		3.00	1	09/28/2020 09:31	WG1550126
Methyl tert-butyl ether	ND		1.00	1	09/28/2020 09:31	WG1550126
Naphthalene	ND		5.00	1	09/28/2020 09:31	WG1550126
1,2-Dichloroethane	ND		1.00	1	09/28/2020 09:31	WG1550126
(S) Toluene-d8	113		80.0-120		09/28/2020 09:31	WG1550126
(S) 4-Bromofluorobenzene	105		77.0-126		09/28/2020 09:31	WG1550126
(S) 1,2-Dichloroethane-d4	89.6		70.0-130		09/28/2020 09:31	WG1550126

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

August 14, 2020

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Kinder Morgan- Atlanta, GA

Sample Delivery Group: L1248208
Samples Received: 08/07/2020
Project Number: KMLDOM20
Description: Lewis Drive Surface Water

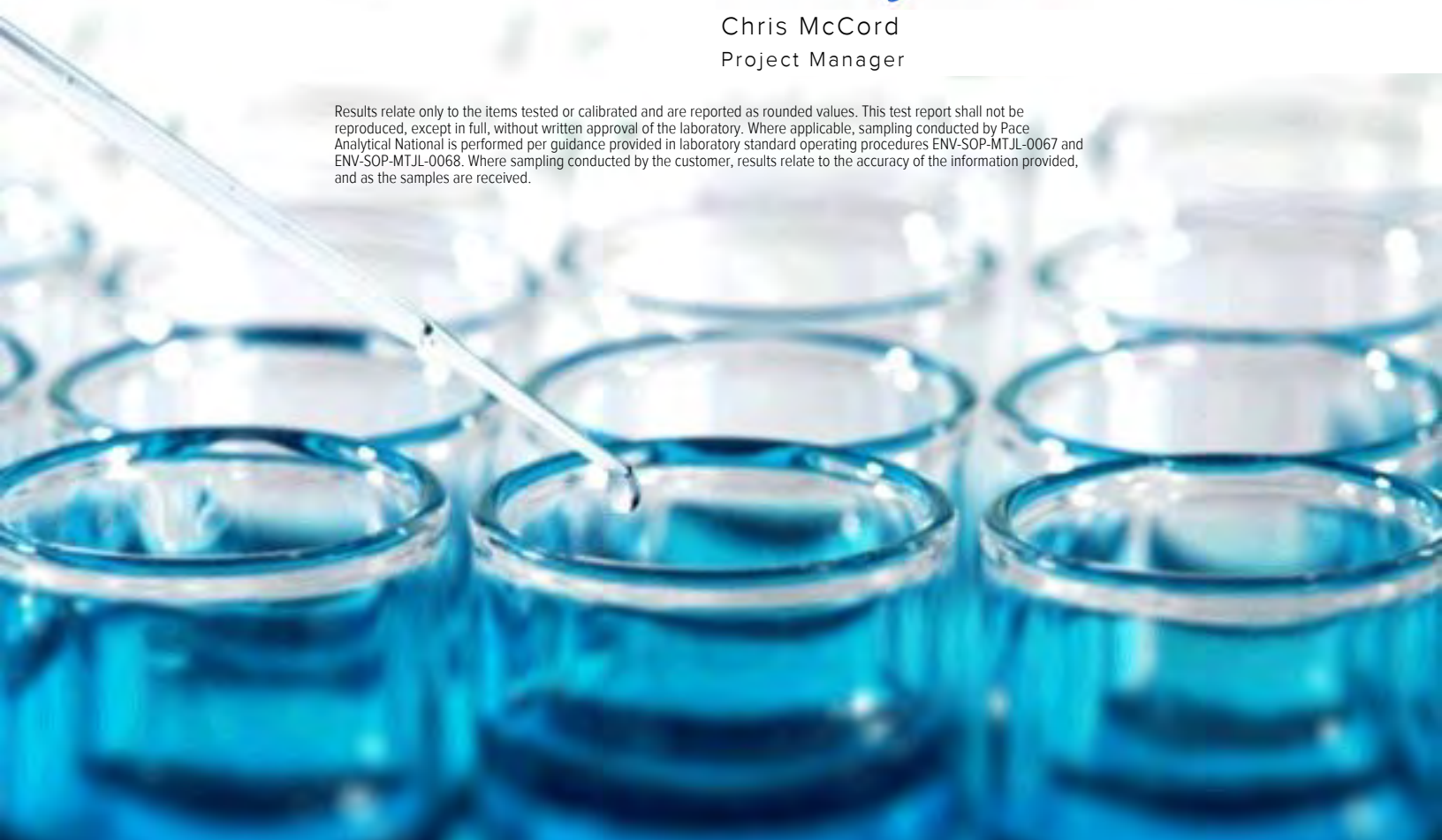
Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:



Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





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SW08-080620 L1248208-04	9
SW13-080620 L1248208-05	10
SW04-080620 L1248208-06	11
SW02-080620 L1248208-07	12
SW01-080620 L1248208-08	13
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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 13:54	WG1524571
Toluene	ND		1.00	1	08/12/2020 13:54	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 13:54	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 13:54	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 13:54	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 13:54	WG1524571
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 13:54	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 13:54	WG1524571
(S) Toluene-d8	102		80.0-120		08/12/2020 13:54	WG1524571
(S) 4-Bromofluorobenzene	96.2		77.0-126		08/12/2020 13:54	WG1524571
(S) 1,2-Dichloroethane-d4	111		70.0-130		08/12/2020 13:54	WG1524571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 14:14	WG1524571
Toluene	ND		1.00	1	08/12/2020 14:14	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 14:14	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 14:14	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 14:14	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 14:14	WG1524571
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 14:14	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 14:14	WG1524571
(S) Toluene-d8	100		80.0-120		08/12/2020 14:14	WG1524571
(S) 4-Bromofluorobenzene	87.6		77.0-126		08/12/2020 14:14	WG1524571
(S) 1,2-Dichloroethane-d4	116		70.0-130		08/12/2020 14:14	WG1524571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 14:33	WG1524571
Toluene	ND		1.00	1	08/12/2020 14:33	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 14:33	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 14:33	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 14:33	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 14:33	WG1524571
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 14:33	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 14:33	WG1524571
(S) Toluene-d8	101		80.0-120		08/12/2020 14:33	WG1524571
(S) 4-Bromofluorobenzene	90.1		77.0-126		08/12/2020 14:33	WG1524571
(S) 1,2-Dichloroethane-d4	107		70.0-130		08/12/2020 14:33	WG1524571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 14:53	WG1524571
Toluene	ND		1.00	1	08/12/2020 14:53	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 14:53	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 14:53	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 14:53	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 14:53	WG1524571
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 14:53	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 14:53	WG1524571
<i>(S) Toluene-d8</i>	98.4		80.0-120		08/12/2020 14:53	WG1524571
<i>(S) 4-Bromofluorobenzene</i>	94.3		77.0-126		08/12/2020 14:53	WG1524571
<i>(S) 1,2-Dichloroethane-d4</i>	113		70.0-130		08/12/2020 14:53	WG1524571

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 15:13	WG1524571
Toluene	ND		1.00	1	08/12/2020 15:13	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 15:13	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 15:13	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 15:13	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 15:13	WG1524571
Methyl tert-butyl ether	1.53		1.00	1	08/12/2020 15:13	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 15:13	WG1524571
<i>(S) Toluene-d8</i>	96.0		80.0-120		08/12/2020 15:13	WG1524571
<i>(S) 4-Bromofluorobenzene</i>	87.6		77.0-126		08/12/2020 15:13	WG1524571
<i>(S) 1,2-Dichloroethane-d4</i>	113		70.0-130		08/12/2020 15:13	WG1524571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 15:33	WG1524571
Toluene	ND		1.00	1	08/12/2020 15:33	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 15:33	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 15:33	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 15:33	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 15:33	WG1524571
Methyl tert-butyl ether	1.47		1.00	1	08/12/2020 15:33	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 15:33	WG1524571
<i>(S) Toluene-d8</i>	102		80.0-120		08/12/2020 15:33	WG1524571
<i>(S) 4-Bromofluorobenzene</i>	94.3		77.0-126		08/12/2020 15:33	WG1524571
<i>(S) 1,2-Dichloroethane-d4</i>	119		70.0-130		08/12/2020 15:33	WG1524571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 15:52	WG1524571
Toluene	ND		1.00	1	08/12/2020 15:52	WG1524571
Ethylbenzene	ND		1.00	1	08/12/2020 15:52	WG1524571
o-Xylene	ND		1.00	1	08/12/2020 15:52	WG1524571
m&p-Xylene	ND		2.00	1	08/12/2020 15:52	WG1524571
Total Xylenes	ND		3.00	1	08/12/2020 15:52	WG1524571
Methyl tert-butyl ether	1.68		1.00	1	08/12/2020 15:52	WG1524571
Naphthalene	ND		5.00	1	08/12/2020 15:52	WG1524571
<i>(S) Toluene-d8</i>	101		80.0-120		08/12/2020 15:52	WG1524571
<i>(S) 4-Bromofluorobenzene</i>	88.3		77.0-126		08/12/2020 15:52	WG1524571
<i>(S) 1,2-Dichloroethane-d4</i>	114		70.0-130		08/12/2020 15:52	WG1524571

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 19:29	WG1524580
Toluene	ND		1.00	1	08/12/2020 19:29	WG1524580
Ethylbenzene	ND		1.00	1	08/12/2020 19:29	WG1524580
o-Xylene	ND		1.00	1	08/12/2020 19:29	WG1524580
m&p-Xylene	ND		2.00	1	08/12/2020 19:29	WG1524580
Total Xylenes	ND		3.00	1	08/12/2020 19:29	WG1524580
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 19:29	WG1524580
Naphthalene	ND		5.00	1	08/12/2020 19:29	WG1524580
<i>(S) Toluene-d8</i>	97.0		80.0-120		08/12/2020 19:29	WG1524580
<i>(S) 4-Bromofluorobenzene</i>	89.0		77.0-126		08/12/2020 19:29	WG1524580
<i>(S) 1,2-Dichloroethane-d4</i>	112		70.0-130		08/12/2020 19:29	WG1524580

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 19:49	WG1524580
Toluene	ND		1.00	1	08/12/2020 19:49	WG1524580
Ethylbenzene	ND		1.00	1	08/12/2020 19:49	WG1524580
o-Xylene	ND		1.00	1	08/12/2020 19:49	WG1524580
m&p-Xylene	ND		2.00	1	08/12/2020 19:49	WG1524580
Total Xylenes	ND		3.00	1	08/12/2020 19:49	WG1524580
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 19:49	WG1524580
Naphthalene	ND		5.00	1	08/12/2020 19:49	WG1524580
(S) Toluene-d8	98.0		80.0-120		08/12/2020 19:49	WG1524580
(S) 4-Bromofluorobenzene	84.1		77.0-126		08/12/2020 19:49	WG1524580
(S) 1,2-Dichloroethane-d4	110		70.0-130		08/12/2020 19:49	WG1524580

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 20:09	WG1524580
Toluene	ND		1.00	1	08/12/2020 20:09	WG1524580
Ethylbenzene	ND		1.00	1	08/12/2020 20:09	WG1524580
o-Xylene	ND		1.00	1	08/12/2020 20:09	WG1524580
m&p-Xylene	ND		2.00	1	08/12/2020 20:09	WG1524580
Total Xylenes	ND		3.00	1	08/12/2020 20:09	WG1524580
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 20:09	WG1524580
Naphthalene	ND		5.00	1	08/12/2020 20:09	WG1524580
(S) Toluene-d8	103		80.0-120		08/12/2020 20:09	WG1524580
(S) 4-Bromofluorobenzene	88.6		77.0-126		08/12/2020 20:09	WG1524580
(S) 1,2-Dichloroethane-d4	114		70.0-130		08/12/2020 20:09	WG1524580

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 20:28	WG1524580
Toluene	ND		1.00	1	08/12/2020 20:28	WG1524580
Ethylbenzene	ND		1.00	1	08/12/2020 20:28	WG1524580
o-Xylene	ND		1.00	1	08/12/2020 20:28	WG1524580
m&p-Xylene	ND		2.00	1	08/12/2020 20:28	WG1524580
Total Xylenes	ND		3.00	1	08/12/2020 20:28	WG1524580
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 20:28	WG1524580
Naphthalene	ND		5.00	1	08/12/2020 20:28	WG1524580
(S) Toluene-d8	101		80.0-120		08/12/2020 20:28	WG1524580
(S) 4-Bromofluorobenzene	89.8		77.0-126		08/12/2020 20:28	WG1524580
(S) 1,2-Dichloroethane-d4	114		70.0-130		08/12/2020 20:28	WG1524580

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 20:48	WG1524580
Toluene	ND		1.00	1	08/12/2020 20:48	WG1524580
Ethylbenzene	ND		1.00	1	08/12/2020 20:48	WG1524580
o-Xylene	ND		1.00	1	08/12/2020 20:48	WG1524580
m&p-Xylene	ND		2.00	1	08/12/2020 20:48	WG1524580
Total Xylenes	ND		3.00	1	08/12/2020 20:48	WG1524580
Methyl tert-butyl ether	2.83		1.00	1	08/12/2020 20:48	WG1524580
Naphthalene	ND		5.00	1	08/12/2020 20:48	WG1524580
<i>(S) Toluene-d8</i>	96.7		80.0-120		08/12/2020 20:48	WG1524580
<i>(S) 4-Bromofluorobenzene</i>	91.0		77.0-126		08/12/2020 20:48	WG1524580
<i>(S) 1,2-Dichloroethane-d4</i>	116		70.0-130		08/12/2020 20:48	WG1524580

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	08/12/2020 18:30	WG1524580
Toluene	ND		1.00	1	08/12/2020 18:30	WG1524580
Ethylbenzene	ND		1.00	1	08/12/2020 18:30	WG1524580
o-Xylene	ND		1.00	1	08/12/2020 18:30	WG1524580
m&p-Xylene	ND		2.00	1	08/12/2020 18:30	WG1524580
Total Xylenes	ND		3.00	1	08/12/2020 18:30	WG1524580
Methyl tert-butyl ether	ND		1.00	1	08/12/2020 18:30	WG1524580
Naphthalene	ND		5.00	1	08/12/2020 18:30	WG1524580
(S) Toluene-d8	98.0		80.0-120		08/12/2020 18:30	WG1524580
(S) 4-Bromofluorobenzene	90.3		77.0-126		08/12/2020 18:30	WG1524580
(S) 1,2-Dichloroethane-d4	113		70.0-130		08/12/2020 18:30	WG1524580

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400

Atlanta GA 30309

Report to:
Bethany Garvey

Project Description:
Lewis Drive Surface Water

City/State
Collected: **BELTON, SC**

Please Circle:
PT MT CT ET

Phone: **770-604-9182**

Client Project #
KMLDUM720

Lab Project #
KINCH2MGA-LEWIS

Collected by (print):
T. HAN / A. FURNESS

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N Y

STANDARD TAT

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
SW11-080620	G	GW	-	8-6-20	1020	3
SW10-080620		GW	-		1030	3
SW09-080620		GW	-		1040	3
SW08-080620		GW	-		1050	3
SW13-080620		GW	-		1120	3
SW04-080620		GW	-		1130	3
SW02-080620		GW	-		1135	3
SW01-080620		GW	-		1145	3
SW07-080620		GW	-		1150	3
SW12-080620		GW	-		1215	3

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks: **ALSO COPY WWALDRON@jacobs.com ON REPORT**

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier

Tracking # **1922 0811 7720**

Relinquished by: (Signature)

Date: **8-6-20** Time: **1636**

Received by: (Signature)

Trip Blank Received: Yes/No
 Yes No
 HCL / MeOH
 TBR

Relinquished by: (Signature)

Date: _____ Time: _____
 Received by: (Signature) _____
 Temp: **11.5** °C Bottles Received: **36**

Relinquished by: (Signature)

Date: _____ Time: _____
 Received for lab by: (Signature) *[Signature]*
 Date: **8-7-20** Time: **900**

Sample Receipt Checklist
 COC Seal Present/Intact: Y N
 COC Signed/Accurate: Y N
 Bottles arrive intact: Y N
 Correct bottles used: Y N
 Sufficient volume sent: Y N
 If Applicable
 VOA Zero Headspace: Y N
 Preservation Correct/Checked: Y N
 RAD Screen <0.5 mR/hr: Y N

If preservation required by Login: Date/Time

Hold: _____ Condition: **NCF 1 OK**

Analysis / Container / Preservative

Chain of Custody Page **1** of **2**



12065 Lebanon Rd
 Mount Juliet, TN 37122
 Phone: 615-758-5858
 Phone: 800-767-5859
 Fax: 615-758-5859



SDG # **L1248208**
H183

Acctnum: **KINCH2MGA**

Template: **T172193**

Prelogin: **P789948**

PM: **526 - Chris McCord**

PB: **8-4-2006m**

Shipped Via: **FedEX Standard**

Remarks Sample # (lab only)

-01
02
03
04
05
06
07
08
09
10

V8260BTEXMNSC 40mIAmb-HCI

Pres Chk

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400

Atlanta GA 30309

Report to:
Bethany Garvey

Project Description:
Lewis Drive Surface Water

Phone: **770-604-9182**

Client Project #
KMLDOM20

Lab Project #
KINCH2MGA-LEWIS

Collected by (print):
T. HALL / A. KURNESS

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)

Quote #

Immediately
Packed on Ice N Y

___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

STANDARD RAT

No. of
Ctrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctrs	Pres Chk
SW03-080620	G	GW	-	8-6-20	1225	3	X
SW14-080620	G	GW	-	8-6-20	1340	3	X
TB01-080620	L	GW	-	8-6-20	LAB	3	X
		GW				3	X
		GW				3	X
		GW				3	X

V8260BTEXMNSC 40mlAmb-HCI

Analysis / Container / Preservative



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **L1248208**

Table #

Acctnum: **KINCH2MGA**

Template: **T172193**

Prelogin: **P789948**

PM: **526 - Chris McCord**

PB: **8-4-2020**

Shipped Via: **FedEX Standard**

Remarks | Sample # (lab only)

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
___ UPS ___ FedEx ___ Courier

Tracking # **1920 0811 7720**

Sample Receipt Checklist	
COC Seal Present/Intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes/No	Bottles Received:	If preservation required by Login: Date/Time
<i>[Signature]</i>	8-6-20	1630	<i>[Signature]</i>	HCL/MeOH TBR	36	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 16.1°C		
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 8-7-20	Time: 900	Condition: NCF / OK

Kinder Morgan- Atlanta, GA

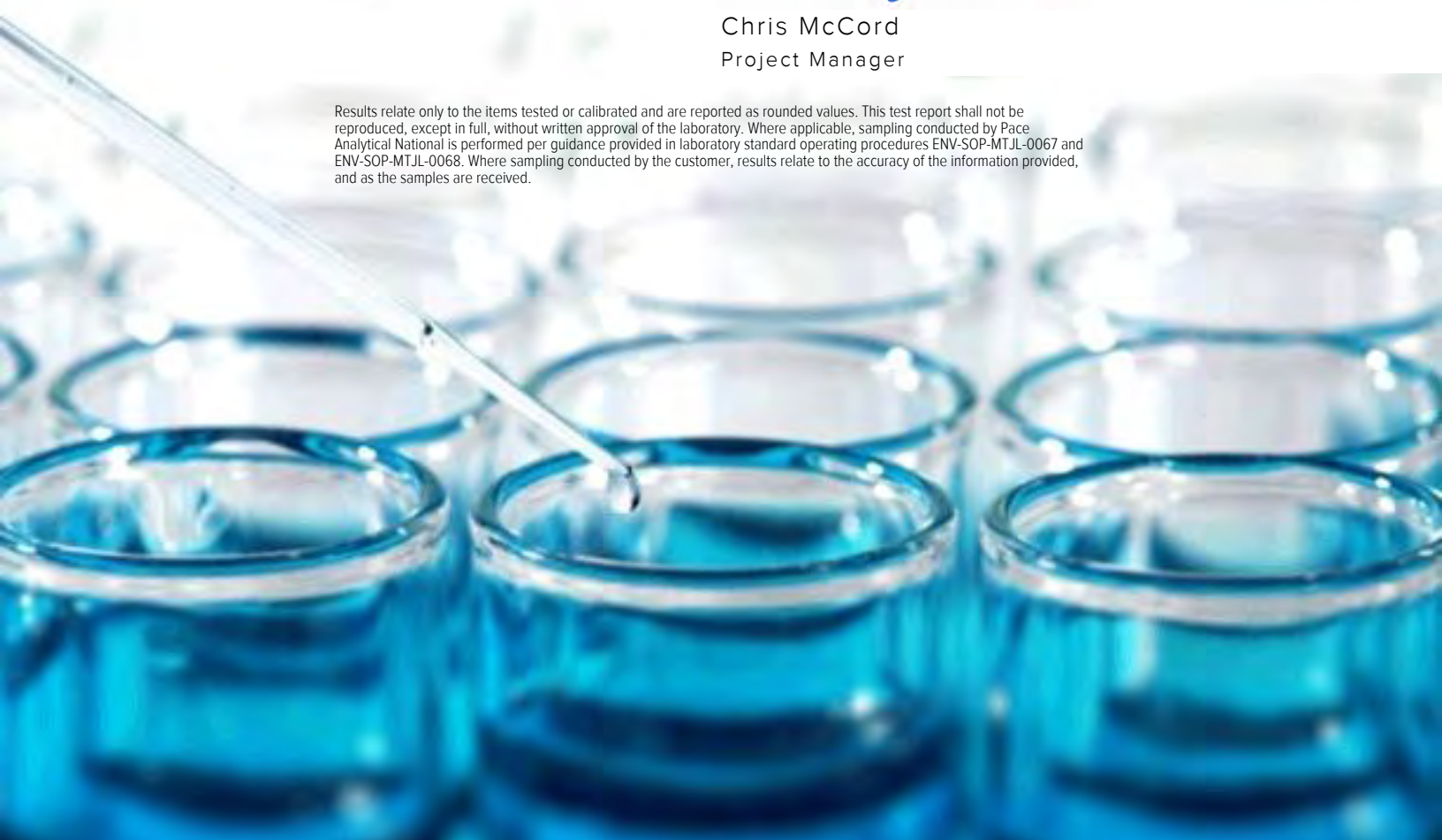
Sample Delivery Group: L1262630
Samples Received: 09/16/2020
Project Number: KMLDOM20
Description: Lewis Drive Surface Water
Site: LEWIS DRIVE
Report To: Bethany Garvey
Ten 10th Street NW
Suite 1400
Atlanta, GA 30309

Entire Report Reviewed By:



Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.





Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	3 Ss
SW08-091520 L1262630-01	6	
SW04-091520 L1262630-02	7	4 Cn
SW09-091520 L1262630-03	8	5 Sr
SW10-091520 L1262630-04	9	
SW12-091520 L1262630-05	10	6 Qc
SW11-091520 L1262630-06	11	
SW13-091520 L1262630-07	12	7 Gl
SW01-091520 L1262630-08	13	8 Al
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Qc: Quality Control Summary	16	
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Gl: Glossary of Terms	18	
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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 12:30	WG1545901
Toluene	ND		1.00	1	09/19/2020 12:30	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 12:30	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 12:30	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 12:30	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 12:30	WG1545901
Methyl tert-butyl ether	ND		1.00	1	09/19/2020 12:30	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 12:30	WG1545901
(S) Toluene-d8	102		80.0-120		09/19/2020 12:30	WG1545901
(S) 4-Bromofluorobenzene	97.7		77.0-126		09/19/2020 12:30	WG1545901
(S) 1,2-Dichloroethane-d4	125		70.0-130		09/19/2020 12:30	WG1545901

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 12:49	WG1545901
Toluene	ND		1.00	1	09/19/2020 12:49	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 12:49	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 12:49	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 12:49	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 12:49	WG1545901
Methyl tert-butyl ether	1.82		1.00	1	09/19/2020 12:49	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 12:49	WG1545901
(S) Toluene-d8	100		80.0-120		09/19/2020 12:49	WG1545901
(S) 4-Bromofluorobenzene	93.5		77.0-126		09/19/2020 12:49	WG1545901
(S) 1,2-Dichloroethane-d4	121		70.0-130		09/19/2020 12:49	WG1545901

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 13:09	WG1545901
Toluene	ND		1.00	1	09/19/2020 13:09	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 13:09	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 13:09	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 13:09	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 13:09	WG1545901
Methyl tert-butyl ether	ND		1.00	1	09/19/2020 13:09	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 13:09	WG1545901
(S) Toluene-d8	98.5		80.0-120		09/19/2020 13:09	WG1545901
(S) 4-Bromofluorobenzene	95.4		77.0-126		09/19/2020 13:09	WG1545901
(S) 1,2-Dichloroethane-d4	130		70.0-130		09/19/2020 13:09	WG1545901

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 13:28	WG1545901
Toluene	ND		1.00	1	09/19/2020 13:28	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 13:28	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 13:28	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 13:28	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 13:28	WG1545901
Methyl tert-butyl ether	ND		1.00	1	09/19/2020 13:28	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 13:28	WG1545901
(S) Toluene-d8	98.4		80.0-120		09/19/2020 13:28	WG1545901
(S) 4-Bromofluorobenzene	94.8		77.0-126		09/19/2020 13:28	WG1545901
(S) 1,2-Dichloroethane-d4	128		70.0-130		09/19/2020 13:28	WG1545901

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 14:36	WG1545901
Toluene	ND		1.00	1	09/19/2020 14:36	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 14:36	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 14:36	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 14:36	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 14:36	WG1545901
Methyl tert-butyl ether	ND		1.00	1	09/19/2020 14:36	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 14:36	WG1545901
(S) Toluene-d8	101		80.0-120		09/19/2020 14:36	WG1545901
(S) 4-Bromofluorobenzene	97.6		77.0-126		09/19/2020 14:36	WG1545901
(S) 1,2-Dichloroethane-d4	130		70.0-130		09/19/2020 14:36	WG1545901

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/23/2020 10:51	WG1547385
Toluene	ND		1.00	1	09/23/2020 10:51	WG1547385
Ethylbenzene	ND		1.00	1	09/23/2020 10:51	WG1547385
o-Xylene	ND		1.00	1	09/23/2020 10:51	WG1547385
m&p-Xylene	ND		2.00	1	09/23/2020 10:51	WG1547385
Total Xylenes	ND		3.00	1	09/23/2020 10:51	WG1547385
Methyl tert-butyl ether	ND		1.00	1	09/23/2020 10:51	WG1547385
Naphthalene	ND		5.00	1	09/23/2020 10:51	WG1547385
<i>(S) Toluene-d8</i>	99.7		80.0-120		09/23/2020 10:51	WG1547385
<i>(S) 4-Bromofluorobenzene</i>	87.7		77.0-126		09/23/2020 10:51	WG1547385
<i>(S) 1,2-Dichloroethane-d4</i>	111		70.0-130		09/23/2020 10:51	WG1547385

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/19/2020 15:15	WG1545901
Toluene	ND		1.00	1	09/19/2020 15:15	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 15:15	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 15:15	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 15:15	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 15:15	WG1545901
Methyl tert-butyl ether	2.18		1.00	1	09/19/2020 15:15	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 15:15	WG1545901
<i>(S) Toluene-d8</i>	99.1		80.0-120		09/19/2020 15:15	WG1545901
<i>(S) 4-Bromofluorobenzene</i>	97.1		77.0-126		09/19/2020 15:15	WG1545901
<i>(S) 1,2-Dichloroethane-d4</i>	130		70.0-130		09/19/2020 15:15	WG1545901

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/23/2020 11:12	WG1547385
Toluene	ND		1.00	1	09/23/2020 11:12	WG1547385
Ethylbenzene	ND		1.00	1	09/23/2020 11:12	WG1547385
o-Xylene	ND		1.00	1	09/23/2020 11:12	WG1547385
m&p-Xylene	ND		2.00	1	09/23/2020 11:12	WG1547385
Total Xylenes	ND		3.00	1	09/23/2020 11:12	WG1547385
Methyl tert-butyl ether	ND		1.00	1	09/23/2020 11:12	WG1547385
Naphthalene	ND		5.00	1	09/23/2020 11:12	WG1547385
(S) Toluene-d8	103		80.0-120		09/23/2020 11:12	WG1547385
(S) 4-Bromofluorobenzene	90.3		77.0-126		09/23/2020 11:12	WG1547385
(S) 1,2-Dichloroethane-d4	110		70.0-130		09/23/2020 11:12	WG1547385

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	1.22		1.00	1	09/19/2020 15:54	WG1545901
Toluene	ND		1.00	1	09/19/2020 15:54	WG1545901
Ethylbenzene	ND		1.00	1	09/19/2020 15:54	WG1545901
o-Xylene	ND		1.00	1	09/19/2020 15:54	WG1545901
m&p-Xylene	ND		2.00	1	09/19/2020 15:54	WG1545901
Total Xylenes	ND		3.00	1	09/19/2020 15:54	WG1545901
Methyl tert-butyl ether	2.19		1.00	1	09/19/2020 15:54	WG1545901
Naphthalene	ND		5.00	1	09/19/2020 15:54	WG1545901
<i>(S) Toluene-d8</i>	98.4		80.0-120		09/19/2020 15:54	WG1545901
<i>(S) 4-Bromofluorobenzene</i>	95.4		77.0-126		09/19/2020 15:54	WG1545901
<i>(S) 1,2-Dichloroethane-d4</i>	125		70.0-130		09/19/2020 15:54	WG1545901

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc



Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Benzene	ND		1.00	1	09/23/2020 11:34	WG1547385
Toluene	ND		1.00	1	09/23/2020 11:34	WG1547385
Ethylbenzene	ND		1.00	1	09/23/2020 11:34	WG1547385
o-Xylene	ND		1.00	1	09/23/2020 11:34	WG1547385
m&p-Xylene	ND		2.00	1	09/23/2020 11:34	WG1547385
Total Xylenes	ND		3.00	1	09/23/2020 11:34	WG1547385
Methyl tert-butyl ether	ND		1.00	1	09/23/2020 11:34	WG1547385
Naphthalene	ND		5.00	1	09/23/2020 11:34	WG1547385
(S) Toluene-d8	101		80.0-120		09/23/2020 11:34	WG1547385
(S) 4-Bromofluorobenzene	86.4		77.0-126		09/23/2020 11:34	WG1547385
(S) 1,2-Dichloroethane-d4	111		70.0-130		09/23/2020 11:34	WG1547385

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Kinder Morgan- Atlanta, GA

Ten 10th Street NW
Suite 1400
Atlanta GA 30309

Report to:
Bethany Garvey

Project Description:
Lewis Drive Surface Water

City/State Collected: **BELTON, SC**

Please Circle:
PT MT CT ET

Phone: **770-604-9182**

Client Project #
KMLDOM20

Lab Project #
KINCH2MGA-LEWIS

Collected by (print):
MELISSA WARREN

Site/Facility ID #
LEWIS DRIVE

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST Be Notified)
 Same Day Five Day
 Next Day 5 Day (Rad Only)
 Two Day 10 Day (Rad Only)
 Three Day

Quote #

Date Results Needed

Immediately Packed on Ice N Y

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
SW08 - 091520	GRAB	GW	NA	09/15/20	1145	3
SW04 - 091520		GW			1355	3
SW09 - 091520		GW			1135	3
SW10 - 091520		GW			1125	3
SW12 - 091520		GW			1440	3
SW11 - 091520		GW			1115	3
SW13 - 091520		GW			1330	3
SW01 - 091520		GW			1420	3
SW02 - 091520		GW			1405	3
SW14 - 091520		GW			1510	3

* Matrix:
 SS - Soil AIR - Air F - Filter
 GW - Groundwater B - Bioassay
 WW - WasteWater
 DW - Drinking Water
 OT - Other

Remarks:
 pH _____ Temp _____
 Flow _____ Other _____

Samples returned via:
 UPS FedEx Courier
 Tracking # **9786 2497 9785**

Sample Receipt Checklist	
COC Seal Present/Intact:	NP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
COC Signed/Accurate:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Bottles arrive intact:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Correct bottles used:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Sufficient volume sent:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If Applicable	
VOA Zero Headspace:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation Correct/Checked:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
RAD Screen <0.5 mR/hr:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

Relinquished by: (Signature) <i>[Signature]</i>	Date: 09/15/20	Time:	Received by: (Signature)	Trip Blank Received: Yes/No HCL/MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5-1.4 Bottles Received: 70
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 9/15/20 Time: 9:30 Hold: Condition: NCF / OK

Billing Information:

Accounts Payable
1000 Windward Concourse
Ste 450
Alpharetta, GA 30005

Pres Chk

Email To:
bethany.garvey@jacobs.com;tom.wiley@jacobs

Analysis / Container / Preservative

Chain of Custody Page 1 of 1



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



SDG # **U262630**
E053

Acctnum: **KINCH2MGA**
 Template: **T146014**
 Prelogin: **P796917**
 PM: **526 - Chris McCord**
 PB:

Shipped Via: **FedEX Ground**

Remarks Sample # (lab only)

V8260BTEXMNSC 40miAmb-HCI