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GROUNDWATER MONITORING REPORT

Conoco Mini-Mart UST Site
3837 US Highway 64
Chama, New Mexico
Facility #27498 RID #2316

May 10, 2021





May 10, 2021 #3423555

Mr. Corey Jarrett, Project Manager New Mexico Environment Department Petroleum Storage Tank Bureau 121 Tijeras Ave. NE, Suite 1000 Albuquerque, NM 87102 Corey.Jarrett@state.nm.us

RE: Groundwater Monitoring Report, Conoco Mini-Mart UST Site, 3837 US Highway 64, Chama, New Mexico

Facility # 27498 RID # 2316 WPID # 4165-1

Dear Mr. Jarrett:

Souder, Miller & Associates (SMA) is pleased to submit the attached Groundwater Monitoring Report for the above referenced site. The enclosed report completes the only deliverable associated with the work plan and cost schedule dated July 14, 2020, approved by the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) on March 31, 2021 (WPID #4165-1). This report was prepared pursuant to the contract between SMA and the New Mexico Environment Department (contract number 18-667-3200-0017).

The invoice will be reduced by \$379.72 for analytical costs not incurred, as MW-7 was not sampled. The final invoice amount will therefore be \$8,298.13.

If you have any questions, please do not hesitate to call me at 505.220.6542 or to e-mail me at scott.mckitrick@soudermiller.com.

Sincerely,

SOUDER, MILLER AND ASSOCIATES

Scott A. McKitrick, P.G.

Senior Geoscientist / Environmental Services Manager

encl.: Groundwater Monitoring Report

Cover Page Form 1216 Groundwater Monitoring Report

1. Site Name:

Conoco Mini-Mart UST Release Site

2. Responsible party:

State Lead Site

3. Responsible party mailing address (list contact person if different):

Corey Jarrett, Project Manager New Mexico Environment Department Petroleum Storage Tank Bureau 121 Tijeras Ave. NE, Suite 1000 Albuquerque, NM 87102

4. Facility Number:

Facility #: 27498 RID #: 2316

5. Address/legal description:

3837 Highway 64 Chama, New Mexico 87520

6. Author/consulting company:

Scott A. McKitrick, P.G. - Souder, Miller & Associates

7. Date of report:

May 10, 2021

8. Date of confirmation of release or date PSTB was notified of release:

A release was confirmed at the Conoco Mini-Mart on May 16, 1994.



Statement of Familiarity

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that to the best of my knowledge it is true and complete.

Signature:

Name:

Scott A. McKitrick, P.G.

Affiliation:

Souder, Miller & Associates

Title:

Senior Geoscientist / Environmental Services Manager

Date:

May 10, 2021



1.0 Introduction

1.1 Scope of Work

Souder, Miller & Associates (SMA) is pleased to submit the following report detailing groundwater monitoring at the Conoco Mini-Mart UST release site located at 3837 Highway 64 in Chama, New Mexico. This report is submitted pursuant to the work plan and cost schedule dated July 14, 2020 and approved by the NMED PSTB on March 31, 2021 (WPID #4165-1). This report was prepared pursuant to the contract between SMA and the New Mexico Environment Department. This report constitutes the only deliverable associated with the current work plan and is the first groundwater monitoring event conducted at the site since April, 2019.

1.2 Monitoring Event Highlights

Groundwater monitoring was performed at the site on April 22, 2021. All six existing site wells were checked for the presence of NAPL and gauged for depth to water. Groundwater monitoring wells MW-6, MW-8, MW-9, MW-11, and MW-12 were sampled for laboratory analysis of the groundwater by EPA Methods 8260, EPA Method 8015B and EPA Method 300.0. No NAPL was detected in any well but a thick sheen was seen in MW-7 and the well was therefore not sampled. The average groundwater elevation at the Conoco Mini-Mart site has decreased by 0.82 feet relative to the previous gauging event conducted on April 29, 2019.

Benzene (1.7 μ g/L) was detected in monitoring well MW-11 below the applicable NMWQCCR standard. No constituents of concern were detected above the practical quantitation limit (PQL) in monitoring wells MW-6, MW-8, MW-9, or MW-12.

2.0 Site Background

Historical files report that the owner of the adjoining property to the south of the Conoco Mini-Mart had complained of gasoline odors in the basement sometime in the 1970's. A 1989 "Environmental Evaluation" performed by Sergent, Hauskins & Beckwith included the drilling of four exploratory soil borings and groundwater sampling from three of the four soil borings. Depths to groundwater at the soil boring locations ranged from 9 to 13 feet below ground surface (bgs). The groundwater samples were submitted to an analytical laboratory for analysis. The sum of benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations in the groundwater samples ranged from 71 μ g/L to 17,500 μ g/L. Methyl tert-butyl ether (MTBE) was also identified in groundwater, while 1,2-dibromoethane (EDB) and 1,2-dichchloroethane were not. A sheen was also noted on purged groundwater at two of the sampling locations. Groundwater flow was estimated by Sergent, Hauskins & Beckwith to be in a south-southeasterly direction.



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The NMED PSTB contracted with INTERA in January, 2005 to perform soil boring and monitoring well installation at the site in an attempt to determine the extent of on-site contamination and to determine the location of USTs remaining on site. The 1994 PSTB inspection records indicated the existence of two abandon USTs, one filled with water and one with several inches of petroleum product. Pumps and dispensers had apparently been removed. Analytical results for the subsurface soils located immediately south of the USTs showed concentrations of contaminants of concern (COC) to be above PSTB Tier 1 Soil Concentrations Protective of Groundwater. Eight groundwater monitoring wells were installed. Groundwater analytical results showed concentrations of COC to be above NMWQCCR standards in monitoring wells MW-1, MW-2, MW-5, MW-7, and MW-8.

INTERA reported that two USTs were present in the northern portion of the property. Real estate contract records show that three storage tanks were present at the site when the former owner, Diamond J. Oil Company, purchased the property. Based on the contaminant levels in the soil on the south side of the property, the third UST is suspected to be located along the south side of the former gas station building. It was recommended that the three USTs be located and removed.

The analytical results from the 2005 INTERA Site Assessment show that the groundwater contamination has migrated off site and that the groundwater gradient is south-southwest.

SMA was contracted by the NMED PSTB in January, 2006 to complete a site assessment and other necessary work at the Conoco Mini-Mart release site. Following the site assessment, SMA removed three USTs and excavated a total of 1,060 cubic yards of contaminated soil in December, 2006. Five site monitoring wells (MW-9, MW-10, MW-11, MW-12, and MW-13) were installed from March 27-29, 2007 after the remedial excavation was completed. Existing site monitoring wells MW-1 and MW-2 were destroyed during the remedial excavation activities.

SMA completed the first quarterly ground water monitoring of the subject site on April 4, 2007. Contaminants of concern (COC) were above NMWQCCR standards in monitoring wells MW-5, MW-7, MW-8, MW-11, MW-12, and MW-13. Five additional monitoring events were completed between 2007 and 2009, and in October, 2009, monitoring well MW-13 was plugged and abandoned.

In April, 2010, SMA plugged and abandoned an additional four site monitoring wells (MW-3, MW-4, MW-5, and MW-10). Following well decommissioning, SMA also conducted a groundwater monitoring event of the six (6) existing site wells (MW-6, MW-7, MW-8, MW-9, MW-11, and MW-12). Concentrations of benzene, total xylenes, and total naphthalenes continued to exceed the applicable NMWQCCR standard in monitoring well MW-7. Monitoring well MW-12 also contained total xylenes and total naphthalenes above the applicable NMWQCCR standard.



In April 18, 2017, all six existing site wells were checked for the presence of NAPL, gauged for depth to water, and five of the six (MW-7, MW-8, MW-9, MW-11, and MW-12) were sampled for laboratory analysis of the groundwater by EPA Method 8260. Total naphthalenes were detected above the NMWQCCR standard (30 μ g/L) in monitoring well MW-7 at a concentration of 277 μ g/L. Monitoring well MW-6 was previously presumed to have been destroyed and was not sampled. However, it was discovered intact, checked for NAPL and gauged for depth to water during the April, 2017 monitoring event.

In November 9, 2017, total naphthalenes (242 μ g/L) were detected above the NMWQCCR standard of 30 μ g/L in monitoring well MW-7. Total xylenes (610 μ g/L), ethylbenzene (270 μ g/L), and benzene (1.8 μ g/L) were also detected in monitoring well MW-7 below applicable NMWQCCR standards. Ethylbenzene (5.4 μ g/L) we detected in monitoring well MW-9 below applicable NMWQCCR standards. No constituents of concern were detected above the practical quantitation limit (PQL) in monitoring wells MW-8, MW-11, or MW-12.

During the most recent groundwater monitoring event, conducted in April, 2019, Ethylbenzene was detected in monitoring well MW-9 below applicable New Mexico Water Quality Control Commission Regulation (NMWQCCR) standard. Ethylbenzene, Total Xylenes, and Total Naphthalenes were also detected in monitoring well MW-11 below applicable NMWQCCR standards. No constituents of concern were detected above the practical quantitation limit (PQL) in monitoring wells MW-6, MW-8, or MW-12.

3.0 Completed Tasks

3.0.1 Brief description of remediation system and date installed.

Not applicable, no remediation system has been installed.

3.0.2 Description of activities performed to keep system operating properly including: inspections, maintenance procedures and modifications, if any.

Not applicable

3.1 Volatile Organic Hydrocarbon and In-Situ Chemical Oxidation Constituent Monitoring

Five of the six existing site monitoring wells (MW-6, MW-8, MW-9, MW-11, and MW-12) at the Conoco Mini-Mart site in Chama, New Mexico were sampled on April 22, 2021 and analyzed for volatile organic hydrocarbon COCs by Environmental Protection Agency (EPA) Method 8260, gasoline-range organics (GRO) and diesel-range organics (DRO) by EPA Method 8015B, and nitrate and sulfate by EPA Method 300.0. Additionally, a Hach



1R-18C Ferrous Iron Test was ran in the field to determine the ferrous iron concentration in each well. Monitoring well MW-7 was not sampled due to the presence of a strong hydrocarbon sheen on the water. Figure 1 illustrates the location of the monitoring wells. Figure 2 illustrates the groundwater gradient and direction. Figure 3 illustrates contaminant concentrations. Current and previous analytical results are provided in Table 1. Field parameters monitored are summarized in Table 1a. A summary of groundwater elevation measurements is provided in Table 4. Procedures for sampling the monitoring wells are described in Appendix 1. Field Notes are included in Appendix 2. Laboratory analytical results are included in Appendix 3.

Monitoring well MW-6, located on the eastern edge of the property and cross-gradient gradient from the tank pits, did not contain any hydrocarbon COCs above the laboratory PQL.

Groundwater monitoring well MW-7 is located down gradient of the tank pits. NAPL was not detected when gauged but a sheen could be observed. The well was therefore not sampled.

Groundwater from MW-8, located cross gradient from the former tank pits, did not contain any hydrocarbon COCs above the laboratory PQL.

Groundwater from MW-9, located south and hydraulically down-gradient from the tank pits, did not contain any hydrocarbon COCs above the laboratory PQL.

Groundwater from MW-11, located down gradient from the tank pits, contained benzene (1.7 μ g/L) below NMWQCCR standards.

Groundwater from MW-12, located cross gradient from the northern tank pit and up gradient from the southern tank pit, did not contain any hydrocarbon COCs above the laboratory PQL.

Constituents including nitrate (reported as N), sulfate, Total Petroleum Hydrocarbons (TPH, gasoline, diesel and motor-oil range organics), and ferrous iron were analyzed for each sampled wells. Nitrate was present in MW-6 at 2.1 mg/l, but not in any other well. Sulfate ranged from 10 mg/l in MW-9 to 200 mg/l in MW-12. TPH GRO was detected at low concentrations in several wells, while TPH DRO and MRO was not detected in any sampled well. Ferrous iron concentrations ranged from non-detect to 2.4 mg/l in MW-12.

3.2 Dissolved Metals Monitoring

Not applicable



3.3 Groundwater Measurements

Depths to groundwater were measured in all six of the existing site monitoring wells (MW-6, MW-7, MW-8, MW-9, MW-11, and MW-12) on April 22, 2021. The average depth to water in the wells was 5.73 feet, which represents a 0.82 foot decrease in groundwater elevation since the wells were last gauged on April 29, 2019. Figure 2 is a potentiometric surface map of the Chama Conoco Mini-Mart UST Release site. Figure 4 is a hydrograph featuring the groundwater elevation in all current site wells.

Groundwater flow direction, based on groundwater elevation data from the six site monitoring wells, is to the southwest at a gradient of 0.021 feet per foot. The groundwater gradient is consistent with what was calculated during previous gauging events.

4.0 SUMMARY AND CONCLUSIONS

4.1 Discussion of any trends or changes noted in analytical results or site conditions.

Benzene was detected in well MW-11 below the applicable NMWQCCR standards. Monitoring wells MW-6, MW-8, MW-9, and MW-12 did not contain any organic hydrocarbon COCs above the laboratory PQL. With the exception of MW-7, which was not sampled due to the presence of a heavy sheen, all monitoring wells on site show reduced contaminant concentrations relative to the previous monitoring event in April, 2019.

4.2 Ongoing assessment of remediation system.

Not applicable, no remediation system has been installed

4.3 Recommendations.

SMA recommends continued monitoring to evaluate contaminant trends, particularly in monitoring well MW-7.



Figures

- 1. Site Map
- 2. Potentiometric Surface Map
- 3. Groundwater Contaminant Concentration Map
- 4. Hydrograph

Tables

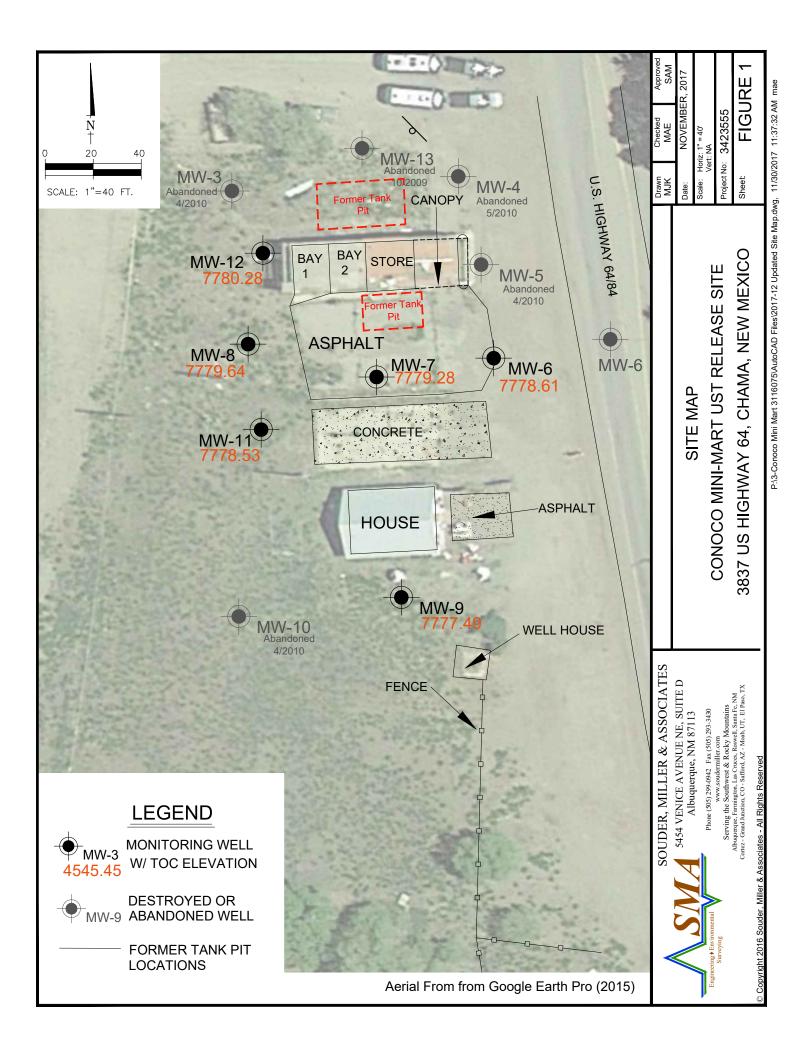
- 1. Summary of Groundwater Analytical Results
- 1a. Summary of Field Parameters
- 4. Depth to Water Measurements

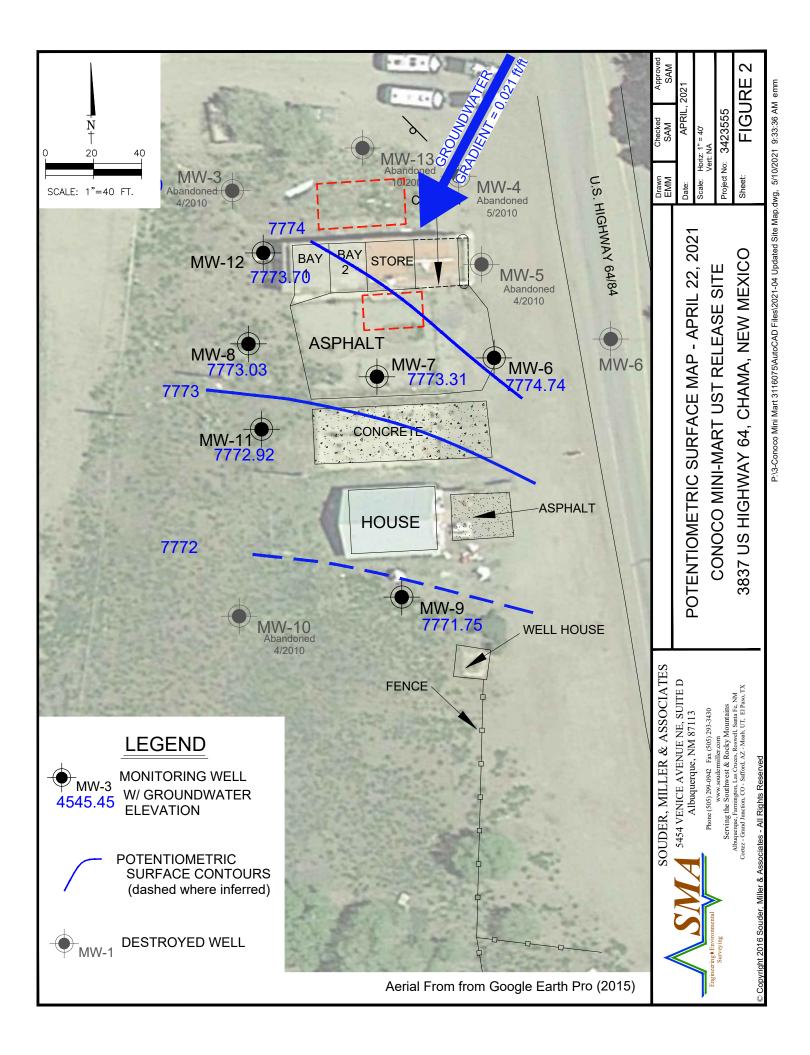
Appendices

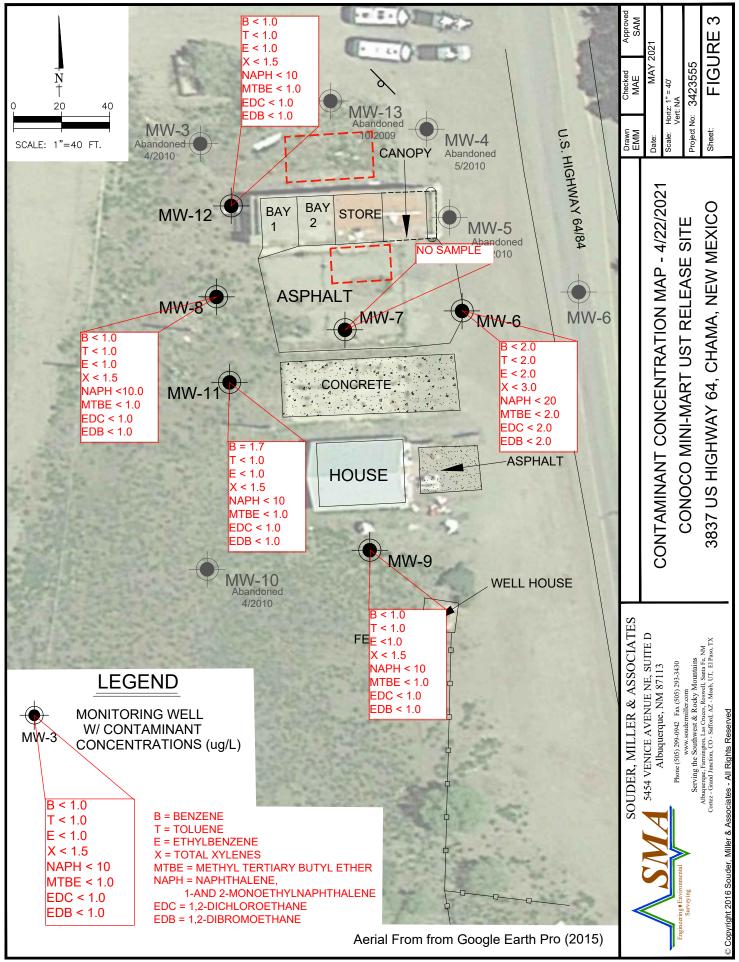
- 1. Sampling protocol
- 2. Field Notes/Copies
- 3. Laboratory Results



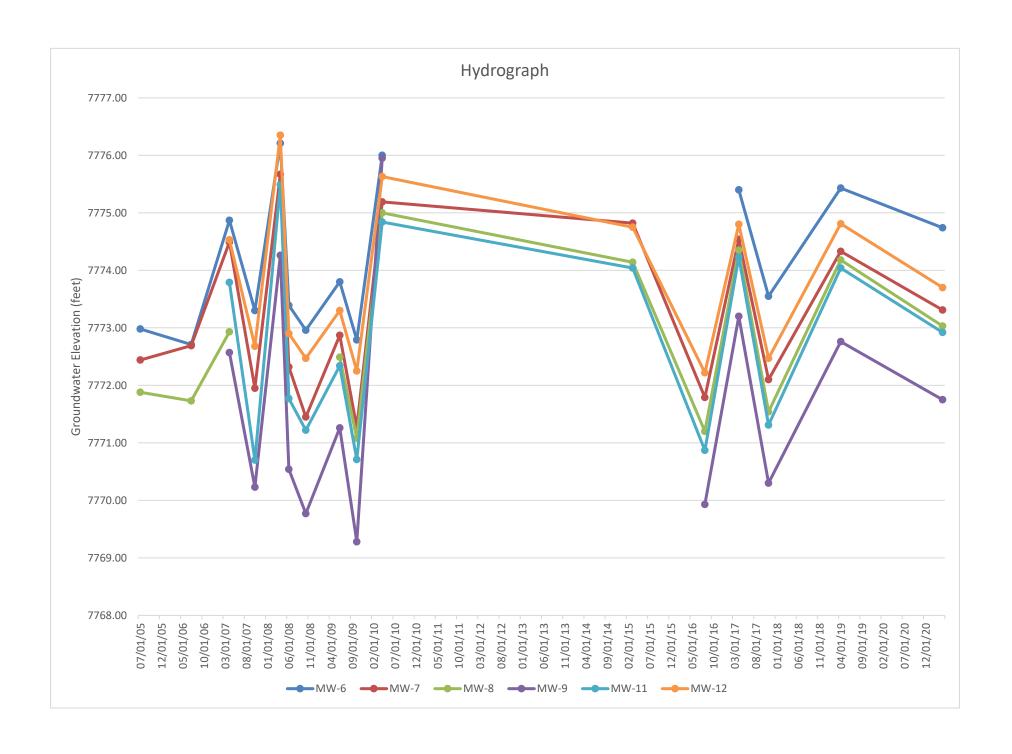
Figures







P:\3-Conoco Mini Mart 3116075\AutoCAD Files\2021-04 Updated Site Map.dwg, 5/6/2021 11:27:50 AM emm



Tables

Table 1. Summary of Groundwater Analytical ResultsChama Conoco Mini Mart, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

				Meth	od 8260					Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	07/08/05 ^{INT}	58	2.1	160	290	<1.0	NA	NA	NA	NA
MW-1	07/10/06*	5.8	<0.5	17.9	13.2	<1.0	NA	NA	1.57°	NA
	04/04/07				DESTROYED	DURING T	ANK PULL			
	CCR/NMPSTR andards	10	750	750	620	100	10	0.1	30	0.05

				Meth	od 8260					Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	07/08/05 ^{INT}	290	32.0	720	1800	<5.0	NA	NA	NA	NA
MW-2	07/10/06*	174	9.0	357	418	11.5	NA	NA	620°	NA
	04/04/07				DESTROYED	DURING T	ANK PULL			
	CCR/NMPSTR andards	10	750	750	620	100	10	0.1	30	0.05

				Meth	od 8260					Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	07/08/05 ^{INT}	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/10/06*	<0.5	<0.5	<0.5	<1.0	<1.0	NA	NA	<1.0°	NA
	04/04/07				UNA	BLE TO LOCA	ATE			
	10/25/07				NC	T SAMPLED)			
MW-3	04/01/08				NC	T SAMPLED)			
IVIVV-3	06/27/08				NC	T SAMPLE)			
	10/01/08				NC	T SAMPLE)			
	06/01/09				NC	T SAMPLE)			
	10/14/09				WELL DAN	1AGED, NO	SAMPLE			
	04/05/10				WELL PI	.UG & ABAI	NDON			
	CCR/NMPSTR andards	10	750	750	620	100	10	0.1	30	0.05

				Meth	od 8260					Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	07/08/05 ^{INT}	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	07/10/06*	<0.5	<0.5	<0.5	<1.0	<1.0	NA	NA	<1.0°	NA
	04/04/07*	<2.5	<2.5	<2.5	<5.0	<5.0	NA	NA	<1.0°	<0.009
	10/25/07				NC	T SAMPLED)			
MW-4	04/01/08				NC	T SAMPLED)			
10100-4	06/27/08				NC	T SAMPLED)			
	10/01/08				NC	T SAMPLED)			
	06/01/09				NC	T SAMPLED)			
	10/14/09	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	NA
	04/06/10				WELL PL	.UG & ABAI	NDON			
	CR/NMPSTR ndards	10	750	750	620	100	10	0.1	30	0.05



Table 1 (Continued). Summary of Groundwater Analytical ResultsChama Conoco Mini Mart, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

				Meth	od 8260				43048	Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	07/08/05 ^{INT}	<1.0	4.8	210	940	<1.0	NA	NA	7.2	#VALUE!
	07/10/06*	<0.5	1.9	142	256	1.7	NA	NA	8	#VALUE!
	04/04/07*	1.9	0.49	195	283	<1.0	NA	NA	7	#VALUE!
MW-5	10/25/07				NC	T SAMPLED)			
	04/01/08				NC	T SAMPLED)			
	10/14/09				NC	T SAMPLED)			
	04/05/10				WELL PL	.UG & ABAI	NDON			
-	CCR/NMPSTR andards	10	750	750	620	100	10	0.1	30	0.05

				Meth	od 8260					Method 6010	Meth	od 300.0		ТРН	
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead	Nitrate	Sulfate	Gasoline Range Organics (GRO)	Motor Oil Range Organics (MRO)	Diesel Range Organics (DRO)
	07/08/05 ^{INT}	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA					
	07/10/06*	<0.5	<0.5	<0.5	<1.0	<1.0	NA	NA	<1.0°	NA					
	04/04/07*	<2.5	<2.5	<2.5	0.87	<5.0	NA	NA	<1.0°	<0.009					
	10/25/07*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<6.0°	NA					
	04/01/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<2.0°	NA					
	06/27/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<2.0°	NA					
	10/01/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<2.5°	NA					
MW-6	06/01/09*	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	NA	NA					
	10/14/09	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	<4.0	NA					
	04/06/10	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	<4.0	NA					
	03/24/15				NO	T SAMPLE)								
	04/18/17				NO	T SAMPLE)								
	11/09/17	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20	NA					
	04/29/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	3.4	15	<0.10	<5.0	<1.0
	04/22/21	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20	NA	2.1	13	<0.050	<5.0	<1.0
	CCR/NMPSTR indards	5	1000	700	620	100	5	0.05	30	0.05	10	600	=	=	÷

				Meth	od 8260					Method 6010	Meth	od 300.0		TPH	
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead	Nitrate	Sulfate	Gasoline Range Organics (GRO)	Motor Oil Range Organics (MRO)	Diesel Range Organics (DRO)
	07/08/05 ^{INT}	700	86	530	1300	<10	NA	NA	NA	NA					
	07/10/06*	50	22	399	1264	18	NA	NA	428°	NA					
	04/04/07*	63	12	508	1655	23	NA	NA	489°	<0.009					
	10/25/07*	36	19	480	1400	<25	NA	NA	220°	NA					
	04/01/08*	48	18	530	1500	<25	NA	NA	326°	NA					
	06/27/08*	49	17	680	2500	<25	NA	NA	163°	NA					
	10/01/08*	44	15	590	1500	<25	NA	NA	348°	NA					
MW-7	06/01/09*	40	16	550	1500	<10	NA	NA	NA	NA					
IVIVV-7	10/14/09	32	14	610	1400	<5.0	NA	NA	560	NA					
	04/06/10	28	11	600	1400	<5.0	NA	NA	629	NA					
	03/24/15	<5.0	<5.0	170	390	<5.0	<5.0	<5.0	105	NA					
	08/11/16	1.7	2.1	350	690	<1.0	<1.0	<0.010	277	NA					
	04/18/17	2.7	1.2	260	460	<1.0	<1.0	<0.010	180	NA					
	11/09/17	1.8	<1.0	270	610	<1.0	<1.0	<1.0	242	NA					
	04/29/19 Strong Sheen Observed														
	04/22/21 Strong Sheen						trong Sheen Obs	served							
	CCR/NMPSTR indards	5	1000	700	620	100	5	0.05	30	0.05	10	600	-	-	=

Table 1 (Continued). Summary of Groundwater Analytical ResultsChama Conoco Mini Mart, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

				Meth	od 8260					Method 6010	Meth	od 300.0		TPH	
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead	Nitrate	Sulfate	Gasoline Range Organics (GRO)	Motor Oil Range Organics (MRO)	Diesel Range Organics (DRO)
	07/08/05 ^{INT}	49	42	600	1600	<10	NA	NA	NA	NA					
	07/10/06*	76	3.7	425	503	44	NA	NA	74 °	NA					
	04/04/07*	50	8.0	570	1127	81	NA	NA	234°	<0.018					
	10/25/07				NC	T SAMPLED)								
	04/01/08				NC	T SAMPLED)								
	06/27/08				NO	T SAMPLED)								
	10/01/08				NC	T SAMPLED)								
MW-8	06/01/09*	4.6	<1.0	34	10	<1.0	NA	NA	NA	NA					
IVIVV-0	10/14/09	2.7	<1.0	1.8	<1.5	<1.0	NA	NA	<4.0	NA					
	04/06/10	7.9	1.6	180	180	<1.0	NA	NA	<4.0	NA					
	03/24/15	<2.0	<2.0	<2.0	18	<2.0	<2.0	<2.0	4.8	NA					
	08/11/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<0.010	<10	NA					
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<0.010	<10	NA					
	11/09/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA					
	04/29/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	<0.50	580	<0.050	<5.0	<1.0
	04/22/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	<0.50	140	<0.050	<5.0	<1.0
	CCR/NMPSTR andards	5	1000	700	620	100	5	0.05	30	0.05	10	600	-	-	-

				Meth	od 8260					Method 6010	Meth	od 300.0		TPH	
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead	Nitrate	Sulfate	Gasoline Range Organics (GRO)	Motor Oil Range Organics (MRO)	Diesel Range Organics (DRO)
	04/04/07*	<2.5	<2.5	<2.5	<5.0	<5.0	NA	NA	<1.0°	<0.009					
	10/25/07*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<6.0°	NA					
	04/01/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<2.0°	NA					
	06/27/08*	8.2	3.9	50	<2.0	<2.5	NA	NA	5.0°	NA					
	10/01/08*	11	7.5	58	61	<2.5	NA	NA	<10°	NA					
	06/01/09*	<1.0	<1.0	1.8	1.7	<1.0	NA	NA	NA	NA					
MW-9	10/14/09	7.9	9.2	56	57	<1.0	NA	NA	19	NA					
IVIVV-9	04/06/10	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	<4.0	NA					
	03/24/15				W	ELL MISSED)								
	08/11/16	<2.0	<2.0	<2.0	8.7	<2.0	<2.0	<0.010	<20	NA					
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<0.010	<10	NA					
	11/09/17	<2.0	<2.0	5.4	<3.0	<2.0	<2.0	<2.0	<20	NA					
	04/29/19	<1.0	<1.0	1.4	<1.5	<1.0	<1.0	<1.0	<10	NA	0.5	17	0.20	<5.0	<1.0
	04/22/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	<0.50	10	0.074	<5.0	<1.0
	CCR/NMPSTR indards	5	1000	700	620	100	5	0.05	30	0.05	10	600	=	=	=

				Meth	od 8260					Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	04/04/07*	<2.5	<2.5	<2.5	<5.0	<5.0	NA	NA	<1.0°	<0.009
	10/25/07*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<6.0°	NA
	04/01/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<2.0°	NA
MW-10	06/27/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	5.0°	NA
IVIVV-10	10/01/08*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	<10°	NA
	06/01/09*	<1.0	<1.0	<1.0	<2.0	<2.5	NA	NA	NA	NA
	10/14/09	<1.0	<1.0	<1.0	<1.5	<1.0	NA	NA	<4.0	NA
	04/05/10				WELL PL	.UG & ABAI	NDON			
	CCR/NMPSTR indards	5	1000	700	620	100	5	0.05	30	0.05

Table 1 (Continued). Summary of Groundwater Analytical ResultsChama Conoco Mini Mart, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

				Meth	od 8260					Method 6010	Meth	od 300.0		TPH	
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead	Nitrate	Sulfate	Gasoline Range Organics (GRO)	Motor Oil Range Organics (MRO)	Diesel Range Organics (DRO)
	04/04/07*	31	16.1	138	71	<5.0	NA	NA	53°	<0.009					
	10/25/07*	21	5.4	280	13	17	NA	NA	15°	NA					
	04/01/08*	11	<1.0	24	9.1	<2.5	NA	NA	3.1°	NA					
	06/27/08*	18	<1.0	130	8.8	<2.5	NA	NA	5.5°	NA					
	10/01/08*	9.2	<1.0	47	5.2	<2.5	NA	NA	<2.5°	NA					
	06/01/09	10.0	<1.0	24	5.0	<1.0	NA	NA	<2.0	NA					
MW-11	10/14/09	5.6	<1.0	21	6.4	<1.0	NA	NA	<4.0	NA					
IVIVV-11	04/06/10	1.1	<1.0	2.1	4.4	<1.0	NA	NA	<4.0	NA					
	03/24/15	<2.0	<1.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20	NA					
	08/11/16	1.5	<1.0	1.7	<1.5	<1.0	<1.0	<0.010	<10	NA					
	04/18/17	<1.0	<1.0	<1.0	7.9	<1.0	<1.0	<0.010	5.5	NA					
	11/09/17	<2.0	<2.0	<2.0	<3.0	<2.0	<2.0	<2.0	<20	NA					
	04/29/19	1.2	<1.0	2.6	27.0	<1.0	<1.0	<1.0	8.0	NA	<0.50	88	0.38	<5.0	<1.0
	04/22/21	1.7	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	<0.50	21	0.17	<5.0	<1.0
	CCR/NMPSTR andards	5	1000	700	620	100	5	0.05	30	0.05	10	600	-	=	ē

				Meth	od 8260					Method 6010	Metho	od 300.0		ТРН	
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead	Nitrate	Sulfate	Gasoline Range Organics (GRO)	Motor Oil Range Organics (MRO)	Diesel Range Organics (DRO)
	04/04/07*	10.9	<2.5	44	129	<5.0	NA	NA	40°	<0.009					
	10/25/07*	1.9	<1.0	35	76	2.7	NA	NA	2.1°	NA					
	04/01/08*	3.2	11	150	750	2.5	NA	NA	12°	NA					
	06/27/08*	<1.0	1.2	78	420	2.5	NA	NA	62 °	NA					
	10/01/08*	<1.0	<1.0	12	32	<2.5	NA	NA	<10°	NA					
	06/01/09*	<5.0	<5.0	69	200	<5.0	NA	NA	NA	NA					
MW-12	10/14/2009	<1.0	<1.0	1.8	<1.5	<1.0	NA	NA	<4.0	NA					
IVIVV-12	4/6/2010	<1.0	5.4	280	1100	<1.0	NA	NA	146	NA					
	03/24/15	<2.0	<2.0	<2.0	<3.0	<3.0	<2.0	<2.0	<20	NA					
	08/11/16	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<0.010	<10	NA					
	04/18/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<0.010	<10	NA					
	11/09/17	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA					
	04/29/19	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	<0.50	420	<0.050	<5.0	<1.0
	04/22/21	<1.0	<1.0	<1.0	<1.5	<1.0	<1.0	<1.0	<10	NA	<0.50	200	<0.050	<5.0	<1.0
	CCR/NMPSTR indards	5	1000	700	620	100	5	0.05	30	0.05	10	600	-	-	-

				Meth	od 8260					Method 6010
MW#	Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	EDC	EDB	Total Naphthalenes	Lead
	04/04/07*	20	8.4	193	381	20	NA	NA	70°	<0.009
	10/25/07*	1.7	<1.0	36	13	<2.5	NA	NA	2.2°	NA
	04/01/08*	1.6	<1.0	32	89	<2.5	NA	NA	<2.0°	NA
MW-13	06/27/08*	1.5	<1.0	47	16	<2.5	NA	NA	13°	NA
	10/01/08*	1.2	<1.0	21	<2.0	<2.5	NA	NA	<2.5°	NA
	06/01/09				UNA	SLE TO LOCA	ATE		•	
	10/14/09				WELL PL	.UG & ABAI	NDON			
	CCR/NMPSTR indards	5	1000	700	620	100	5	0.05	30	0.05

Notes:

* = Data analyzed by Method 8021, results in $\mu g/L$ ° = Total Naphthalenes analyzed by Method 8310, results in $\mu g/L$ Method 8260 results in $\mu g/L$; Method 6010 results in m g/LMTBE = Methyl Tertiary Butyl Ether
Red indicates concentration exceeds standard

NA = Not Analyzed
7/8/2005^{MT} Indicates data adopted from Intera report dated 9/7/2005



Table 1a. Field Parameters

Chama Conoco Mini Mart UST Release Site 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

		11/9/2017			4/29/2019	4/22/2021						
	Parameter			Parameter			Parameter					
Well	рН	eC (μs/cm)	Temperature (°C)	рН	eC (μs/cm)	Temperature (°C)	рН	eC (μs/cm)	Temperatu re (°C)	DO%	MvORP	
MW-6	7.52	484	13	7.83	963	13	6.78	777	10.25	13.6	80.9	
MW-7	7.69	427	14		Not Sample	d	Not Sampled - Sheen Visible					
MW-8	7.70	1,056	14	6.43	1,748	9	6.02	1,096	8.17	13.3	88.4	
MW-9	7.79	519	13	6.95	383	10	6.44	555	8.95	13.6	66.1	
MW-11	7.57	712	13	7.09	954	6.14	763	9.21	14.4	47.1		
MW-12	7.71	875	13	6.59	1,734	9	6.39	1,268	7.93	13.6	-21.9	

Notes: eC= Specific Conductance

Table 4. Depth to Water Measurements

Chama Conoco Mini Mart UST Release Site, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

			07/0	8/05	07/1	0/06	04/0	4/07	10/2	5/07	04/0	1/08
MW#	TOC Elev.	Total Well	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water
IVIVV #	TOC Elev.	Depth	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.
MW-1 *	7780.17	15.0	5.74	7774.43	5.26	7774.91			Destr	oyed		
MW-2 *	7779.97	15.0	6.01	7773.96	5.78	7774.19			Destr	oyed		
MW-3 *	7780.16	15.5	5.76	7774.40	6.21	7773.95	Not Lo	ocated	Not Me	asured	Not Me	easured
MW-4 *	7779.55	15.5	4.40	7775.15	4.58	7774.97	Not Me	easured	Not Me	easured	Not Me	easured
MW-5 *	7779.02	15.0	5.76	7773.26	5.93	7773.09	Not Me	easured	Not Measured		Not Measured	
MW-6 *	7778.61	12.0	5.63	7772.98	5.90	7772.71	3.74	7774.87	5.31	7773.30	2.40	7776.21
MW-7 *	7779.28	12.5	6.84	7772.44	6.59	7772.69	4.79	7774.49	7.33	7771.95	3.61	7775.67
MW-8 *	7779.64	15.0	7.76	7771.88	7.91	7771.73	6.71	7772.93	Not Measured		Not Measure	
MW-9	7777.49	11.3					4.92	7772.57	7.26	7770.23	3.23	7774.26
MW-10	7777.61	13.3					4.88	7772.73	6.75	7770.86	2.68	7774.93
MW-11	7778.53	12.0	Wells	Installed M	larch 27-29	, 2007	4.74	7773.79	7.83	7770.70	3.04	7775.49
MW-12	7780.28	13.5					5.75	7774.53	7.60	7772.68	3.93	7776.35
MW-13	7780.47	13.5					5.99	7774.48	7.57	7772.90	3.54	7776.93
Average DTW 5.99 6.02 5.19 7.09				3.20								

MW-X * Indicates a monitoring well that was installed and surveyed under contracted by Interra in January, 2005. Monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13 were installed and surveyed by SMA in March, 2007. All top of casing elevations taken from October, 2008 SMA Groundwater Monitoring Report. All measurements in feet



Table 4 (Continued). Depth to Water Measurements

Chama Conoco Mini Mart UST Release Site, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

			06/2	7/08	10/0	1/08	06/0	1/09	10/1	4/09	04/0	6/10
MW#	TOC Elev.	Total Well	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water	Depth to	Water
IVIVV #	TOC Elev.	Depth	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.	Water	Elev.
MW-4 *	7779.55	15.5	Not Me	easured	Not Me	easured	Not Measured		4.64	7774.91	Plugged 8	k Abandon
MW-5 *	7779.02	15.0	Not Me	easured	Not Me	easured	Not Me	easured	5.08	7773.94	Plugged 8	k Abandon
MW-6 *	7778.61	12.0	5.22	7773.39	5.65	7772.96	4.81	7773.80	5.82	7772.79	2.61	7776.00
MW-7 *	7779.28	12.5	6.96	7772.32	7.83	7771.45	6.41	7772.87	8.01	7771.27	4.09	7775.19
MW-8 *	7779.64	15.0	Not Me	easured	Not Me	easured	7.15	7772.49	8.56	7771.08	4.64	7775.00
MW-9	7777.49	11.3	6.95	7770.54	7.72	7769.77	6.23	7771.26	8.21	7769.28	3.69	7775.95
MW-10	7777.61	13.3	6.51	7771.10	7.06	7770.55	5.83	7771.78	7.60	7770.01	Plugged 8	k Abandon
MW-11	7778.53	12.0	6.76	7771.77	7.31	7771.22	6.19	7772.34	7.82	7770.71	3.69	7774.84
MW-12	7780.28	13.5	7.38	7772.90	7.81	7772.47	6.98	7773.30	8.03	7772.25	4.65	7775.63
MW-13	7780.47	13.5	7.10	7773.37	7.69	7772.78	78 Not Located		Plugged 8	& Abandon		
Average DTW			6.	70	7.	30	6.	23	7.72		3.75	

MW-X * Indicates a monitoring well that was installed and surveyed under contracted by Interra in January, 2005.

Monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13 were installed and surveyed by SMA in March, 2007.

All top of casing elevations taken from October, 2008 SMA Groundwater Monitoring Report.

SMA Plugged and Abandon MW-3, MW-4, MW-5 and MW-10 in April, 2010.

All measurements in feet



Table 4 (Continued). Depth to Water Measurements

Chama Conoco Mini Mart UST Release Site, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

			03/2	4/15	08/1	1/16	04/1	8/17	11/0	9/17	04/2	9/19
MW#	TOC Elev.	Total Well	Depth to	Water								
10100 #	TOC Elev.	Depth	Water	Elev.								
MW-6 *	7778.61	12.0	N	М	N	M	3.21	7775.40	5.06	7773.55	3.18	7775.43
MW-7 *	7779.28	12.5	4.46	7774.82	7.49	7771.79	4.74	7774.54	7.18	7772.10	4.95**	7774.33
MW-8 *	7779.64	15.0	5.50	7774.14	8.44	7771.20	5.29	7774.35	8.10	7771.54	5.46	7774.18
MW-9	7777.49	11.3	Not Me	easured	7.56	7769.93	4.29	7773.20	7.19	7770.30	4.73	7772.76
MW-11	7778.53	12.0	4.49	7774.04	7.66	7770.87	4.30	7774.23	7.22	7771.31	4.49	7774.04
MW-12	7780.28	0.28 13.5 5.53 7774.75		8.06	7772.22	5.48	7774.80	7.81	7772.47	5.47	7774.81	
Average DTW		4.83 7.6		69	4.70		7.35		4.90			

MW-X * Indicates a monitoring well that was installed and surveyed under contracted by Interra in January, 2005.

Monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13 were installed and surveyed by SMA in March, 2007.

All top of casing elevations taken from October, 2008 SMA Groundwater Monitoring Report.

SMA Plugged and Abandon MW-3, MW-4, MW-5 and MW-10 in April, 2010.

All measurements in feet

NM= Not Measured



Table 4 (Continued). Depth to Water Measurements

Chama Conoco Mini Mart UST Release Site, 3837 Highway 64, Chama, New Mexico Facility # 27498 RID #2316

			04/2	2/21
MW#	TOC Elev.	Total Well	Depth to	Water
10100 #	TOC Elev.	Depth	Water	Elev.
MW-6 *	7778.61	12.0	3.87	7774.74
MW-7 *	7779.28	12.5	5.97**	7773.31
MW-8 *	7779.64	15.0	6.61	7773.03
MW-9	7777.49	11.3	5.74	7771.75
MW-11	7778.53	12.0	5.61	7772.92
MW-12	7780.28	13.5	6.58	7773.70
ļ	Average DTV	V	5.	73

MW-X * Indicates a monitoring well that was installed and surveyed under contracted by Interra in January, 2005.

Monitoring wells MW-9, MW-10, MW-11, MW-12, and MW-13 were installed and surveyed by SMA in March, 2007.

All top of casing elevations taken from October, 2008 SMA Groundwater Monitoring Report.

SMA Plugged and Abandon MW-3, MW-4, MW-5 and MW-10 in April, 2010.

All measurements in feet

NM= Not Measured



^{**} Product sheen

Appendix 1

Sampling Protocol

Groundwater samples were collected as established in the New Mexico Underground Storage Tank Bureau Guidelines for Corrective Action promulgated March 2000.

Water levels were measured prior to sample collection using a clean water level probe beginning with least contaminated, or clean monitoring wells to the most contaminated monitoring wells. Water levels of each monitoring well were recorded on a field form or in the field notebook. The water level probe was rinsed with distilled water prior to measuring the water level in each monitoring well. A cleaned oil/water interface probe was used to measure fluid levels in wells suspected to have NAPL.

Prior to collection of samples, monitoring wells were purged of three well bore volumes using a new disposable high-density polyethylene (HDPE) bailer. The purged water was disposed of on concrete surfaces within the boundaries of the property and allowed to evaporate.

After purging, field parameters were then measured in each monitoring well using a calibrated YSI meter. Measured parameters included:

- pH
- eC (specific conductance)
- temperature
- Ferrous iron

Following collection of field parameters, groundwater samples were collected into the following laboratory-provided containers with appropriate preservatives for the following analyses:

- EPA Method 8260B to detect volatile organic hydrocarbons, including benzene, toluene, ethylbenzene, total xylenes (BTEX), 1,2-dichloroethane (EDC), 1,2,4- and 1,3,5-trimethylbenzene (TMB) and methyl tertiary butyl ether (MTBE), as well as naphthalene and monomethyl naphthalenes
- EPA Method 8015B to detect TPH gasoline-range organics (GRO) and diesel-range organics (DRO)
- **EPA Method 300.0** to detect nitrate and sulfate

Following collection, all samples were labeled with the date, time, site and sample identification, the initials of the sampler, and the desired laboratory analysis. The samples were then stored on ice in a cooler for hand-delivery to the analytical laboratory.

Sample ID were recorded on chain of custody forms prior to delivery to Hall Environmental Analysis Laboratory.

Appendix 2

Field Notes, Copies

Chama Mini-Mart UST Release Site, 3837 Highway 64

SMA Job # 3423555

Time Off-site: 4/22/21 Time 900 Date:

mr.W 7.84~

Sampled by: C. Perles

Sunny

Weather conditions: Equipment Used:

1230

Notes: Sample for 8260B

Appendix 3

Laboratory Results



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

May 05, 2021

Scott McKitrick Souder Miller & Associates 5454 Venice Ave. NE Suite D Albuquerque, NM 87113

TEL: (505) 299-0942

FAX

RE: Chama Conoco OrderNo.: 2104A25

Dear Scott McKitrick:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/22/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2104A25**Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-6

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 9:50:00 AM

 Lab ID:
 2104A25-001
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Nitrogen, Nitrate (As N)	2.1	0.50		mg/L	5	4/23/2021 12:38:25 AM	A76894
Sulfate	13	2.5		mg/L	5	4/23/2021 12:38:25 AM	A76894
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2890	200	*D	mg/L	1	4/29/2021 10:43:00 AM	59650
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	: mb
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/26/2021 11:20:36 AM	59606
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/26/2021 11:20:36 AM	
Surr: DNOP	93.1	63.7-164		%Rec	1	4/26/2021 11:20:36 AM	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/23/2021 11:28:00 PM	
Surr: BFB	102	68.5-136		%Rec	1	4/23/2021 11:28:00 PM	
EPA METHOD 8260B: VOLATILES						Analyst	
Benzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Toluene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Ethylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Methyl tert-butyl ether (MTBE)	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2,4-Trimethylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,3,5-Trimethylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2-Dichloroethane (EDC)	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2-Dibromoethane (EDB)	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Naphthalene	ND	4.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1-Methylnaphthalene	ND	8.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
2-Methylnaphthalene	ND	8.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Acetone	ND	20	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Bromobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Bromodichloromethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Bromoform	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Bromomethane	ND	6.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
2-Butanone	ND	20	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Carbon disulfide	ND	20	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Carbon Tetrachloride	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Chlorobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Chloroethane	ND	4.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Chloroform	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Chloromethane	ND	6.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
2-Chlorotoluene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
4-Chlorotoluene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/5/2021

CLIENT: Souder Miller & Associates Client Sample ID: MW-6

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 9:50:00 AM

 Lab ID:
 2104A25-001
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst	BRM
cis-1,2-DCE	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
cis-1,3-Dichloropropene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2-Dibromo-3-chloropropane	ND	4.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Dibromochloromethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Dibromomethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2-Dichlorobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,3-Dichlorobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,4-Dichlorobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Dichlorodifluoromethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1-Dichloroethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1-Dichloroethene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2-Dichloropropane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,3-Dichloropropane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
2,2-Dichloropropane	ND	4.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1-Dichloropropene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Hexachlorobutadiene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
2-Hexanone	ND	20	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Isopropylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
4-Isopropyltoluene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
4-Methyl-2-pentanone	ND	20	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Methylene Chloride	ND	6.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
n-Butylbenzene	ND	6.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
n-Propylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
sec-Butylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Styrene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
tert-Butylbenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1,1,2-Tetrachloroethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1,2,2-Tetrachloroethane	ND	4.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Tetrachloroethene (PCE)	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
trans-1,2-DCE	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
trans-1,3-Dichloropropene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2,3-Trichlorobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2,4-Trichlorobenzene	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1,1-Trichloroethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,1,2-Trichloroethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Trichloroethene (TCE)	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Trichlorofluoromethane	ND	2.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
1,2,3-Trichloropropane	110						
1,2,3-111011010p10pane	ND	4.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-6

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 9:50:00 AM

 Lab ID:
 2104A25-001
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES						Analyst	t: BRM
Xylenes, Total	ND	3.0	D	μg/L	2	4/26/2021 1:09:25 PM	B76961
Surr: 1,2-Dichloroethane-d4	106	70-130	D	%Rec	2	4/26/2021 1:09:25 PM	B76961
Surr: 4-Bromofluorobenzene	101	70-130	D	%Rec	2	4/26/2021 1:09:25 PM	B76961
Surr: Dibromofluoromethane	108	70-130	D	%Rec	2	4/26/2021 1:09:25 PM	B76961
Surr: Toluene-d8	99.5	70-130	D	%Rec	2	4/26/2021 1:09:25 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-8

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 10:30:00 AM

 Lab ID:
 2104A25-002
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/23/2021 1:03:14 AM	A76894
Sulfate	140	2.5		mg/L	5	4/23/2021 1:03:14 AM	A76894
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	706	40.0	*D	mg/L	1	4/29/2021 10:43:00 AM	59650
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	: mb
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/26/2021 12:32:14 PM	59606
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/26/2021 12:32:14 PM	
Surr: DNOP	95.8	63.7-164		%Rec	1	4/26/2021 12:32:14 PM	
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/23/2021 11:47:00 PM	G76911
Surr: BFB	105	68.5-136		%Rec	1	4/23/2021 11:47:00 PM	
EPA METHOD 8260B: VOLATILES						Analyst	: BRM
Benzene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Toluene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Ethylbenzene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Methyl tert-butyl ether (MTBE)	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2-Dichloroethane (EDC)	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2-Dibromoethane (EDB)	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Naphthalene	ND	2.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
1-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
2-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Acetone	ND	10		μg/L	1	4/26/2021 1:36:38 PM	B76961
Bromobenzene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Bromodichloromethane	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Bromoform	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Bromomethane	ND	3.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
2-Butanone	ND	10		μg/L	1	4/26/2021 1:36:38 PM	B76961
Carbon disulfide	ND	10		μg/L	1	4/26/2021 1:36:38 PM	B76961
Carbon Tetrachloride	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Chlorobenzene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Chloroethane	ND	2.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Chloroform	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
Chloromethane	ND	3.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
2-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961
4-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 1:36:38 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-8

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 10:30:00 AM

 Lab ID:
 2104A25-002
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BRM
cis-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Dibromochloromethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Dibromomethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,3-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,4-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Dichlorodifluoromethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1-Dichloroethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1-Dichloroethene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,3-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
2,2-Dichloropropane	ND	2.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Hexachlorobutadiene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
2-Hexanone	ND	10	μg/L	1	4/26/2021 1:36:38 PM	B76961
Isopropylbenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
4-Isopropyltoluene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
4-Methyl-2-pentanone	ND	10	μg/L	1	4/26/2021 1:36:38 PM	B76961
Methylene Chloride	ND	3.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
n-Butylbenzene	ND	3.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
n-Propylbenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
sec-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Styrene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
tert-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
trans-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1,1-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,1,2-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Trichloroethene (TCE)	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Trichlorofluoromethane	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
1,2,3-Trichloropropane	ND	2.0	μg/L	1	4/26/2021 1:36:38 PM	B76961
Vinyl chloride	ND	1.0	μg/L	1	4/26/2021 1:36:38 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-8

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 10:30:00 AM

 Lab ID:
 2104A25-002
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL Qı	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: BRM
Xylenes, Total	ND	1.5	μg/L	1	4/26/2021 1:36:38 PM	B76961
Surr: 1,2-Dichloroethane-d4	105	70-130	%Rec	1	4/26/2021 1:36:38 PM	B76961
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	4/26/2021 1:36:38 PM	B76961
Surr: Dibromofluoromethane	110	70-130	%Rec	1	4/26/2021 1:36:38 PM	B76961
Surr: Toluene-d8	97.5	70-130	%Rec	1	4/26/2021 1:36:38 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
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Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-9

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 11:30:00 AM

 Lab ID:
 2104A25-003
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: CAS
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/23/2021 1:28:03 AM	A76894
Sulfate	10	2.5		mg/L	5	4/23/2021 1:28:03 AM	A76894
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	630	200	*D	mg/L	1	4/29/2021 10:43:00 AM	59650
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	: mb
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/26/2021 12:56:16 PM	59606
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/26/2021 12:56:16 PM	
Surr: DNOP	94.2	63.7-164		%Rec	1	4/26/2021 12:56:16 PM	59606
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: CCM
Gasoline Range Organics (GRO)	0.074	0.050		mg/L	1	4/24/2021 12:07:00 AM	
Surr: BFB	113	68.5-136		%Rec	1	4/24/2021 12:07:00 AM	
EPA METHOD 8260B: VOLATILES		00.0 100		701.100	•	Analyst	
Benzene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Toluene	ND	1.0		μg/L μg/L	1	4/26/2021 2:03:48 PM	B76961
Ethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Methyl tert-butyl ether (MTBE)	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2-Dichloroethane (EDC)	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2-Dibromoethane (EDB)	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Naphthalene	ND	2.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
1-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
2-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Acetone	ND	10		μg/L	1	4/26/2021 2:03:48 PM	B76961
Bromobenzene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Bromodichloromethane	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Bromoform	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Bromomethane	ND	3.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
2-Butanone	ND	10		μg/L	1	4/26/2021 2:03:48 PM	B76961
Carbon disulfide	ND	10		μg/L	1	4/26/2021 2:03:48 PM	B76961
Carbon Tetrachloride	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Chlorobenzene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Chloroethane	ND	2.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Chloroform	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
Chloromethane	ND	3.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
2-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961
4-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 2:03:48 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-9

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 11:30:00 AM

 Lab ID:
 2104A25-003
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BRM
cis-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Dibromochloromethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Dibromomethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,3-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,4-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Dichlorodifluoromethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1-Dichloroethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1-Dichloroethene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,3-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
2,2-Dichloropropane	ND	2.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Hexachlorobutadiene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
2-Hexanone	ND	10	μg/L	1	4/26/2021 2:03:48 PM	B76961
Isopropylbenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
4-Isopropyltoluene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
4-Methyl-2-pentanone	ND	10	μg/L	1	4/26/2021 2:03:48 PM	B76961
Methylene Chloride	ND	3.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
n-Butylbenzene	ND	3.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
n-Propylbenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
sec-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Styrene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
tert-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
trans-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1,1-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,1,2-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Trichloroethene (TCE)	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Trichlorofluoromethane	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
1,2,3-Trichloropropane	ND	2.0	μg/L	1	4/26/2021 2:03:48 PM	B76961
Vinyl chloride	ND	1.0	μg/L	1	4/26/2021 2:03:48 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-9

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 11:30:00 AM

 Lab ID:
 2104A25-003
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analys	t: BRM
Xylenes, Total	ND	1.5	μg/L	1	4/26/2021 2:03:48 PM	B76961
Surr: 1,2-Dichloroethane-d4	107	70-130	%Rec	1	4/26/2021 2:03:48 PM	B76961
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	4/26/2021 2:03:48 PM	B76961
Surr: Dibromofluoromethane	110	70-130	%Rec	1	4/26/2021 2:03:48 PM	B76961
Surr: Toluene-d8	101	70-130	%Rec	1	4/26/2021 2:03:48 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-11

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 12:00:00 PM

 Lab ID:
 2104A25-004
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/23/2021 1:52:54 AM	A76894
Sulfate	21	2.5		mg/L	5	4/23/2021 1:52:54 AM	A76894
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	500	100	D	mg/L	1	4/29/2021 10:43:00 AM	59650
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	mb
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/26/2021 1:20:15 PM	59606
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/26/2021 1:20:15 PM	59606
Surr: DNOP	96.2	63.7-164		%Rec	1	4/26/2021 1:20:15 PM	59606
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	ССМ
Gasoline Range Organics (GRO)	0.17	0.050		mg/L	1	4/24/2021 12:27:00 AM	G76911
Surr: BFB	113	68.5-136		%Rec	1	4/24/2021 12:27:00 AM	
EPA METHOD 8260B: VOLATILES						Analyst	BRM
Benzene	1.7	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Toluene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Ethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Methyl tert-butyl ether (MTBE)	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2-Dichloroethane (EDC)	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2-Dibromoethane (EDB)	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Naphthalene	ND	2.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
1-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
2-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Acetone	ND	10		μg/L	1	4/26/2021 2:30:58 PM	B76961
Bromobenzene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Bromodichloromethane	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Bromoform	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Bromomethane	ND	3.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
2-Butanone	ND	10		μg/L	1	4/26/2021 2:30:58 PM	B76961
Carbon disulfide	ND	10		μg/L	1	4/26/2021 2:30:58 PM	B76961
Carbon Tetrachloride	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Chlorobenzene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Chloroethane	ND	2.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Chloroform	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
Chloromethane	ND	3.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
2-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961
4-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 2:30:58 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates **Client Sample ID:** MW-11

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 12:00:00 PM

 Lab ID:
 2104A25-004
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BRM
cis-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Dibromochloromethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Dibromomethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,3-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,4-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Dichlorodifluoromethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1-Dichloroethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1-Dichloroethene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,3-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
2,2-Dichloropropane	ND	2.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Hexachlorobutadiene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
2-Hexanone	ND	10	μg/L	1	4/26/2021 2:30:58 PM	B76961
Isopropylbenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
4-Isopropyltoluene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
4-Methyl-2-pentanone	ND	10	μg/L	1	4/26/2021 2:30:58 PM	B76961
Methylene Chloride	ND	3.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
n-Butylbenzene	ND	3.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
n-Propylbenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
sec-Butylbenzene	1.5	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Styrene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
tert-Butylbenzene	1.2	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
trans-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1,1-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,1,2-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Trichloroethene (TCE)	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Trichlorofluoromethane	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
1,2,3-Trichloropropane	ND	2.0	μg/L	1	4/26/2021 2:30:58 PM	B76961
Vinyl chloride	ND	1.0	μg/L	1	4/26/2021 2:30:58 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2104A25**Date Reported: **5/5/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-11

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 12:00:00 PM

 Lab ID:
 2104A25-004
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: BRM
Xylenes, Total	ND	1.5	μg/L	1	4/26/2021 2:30:58 PM	B76961
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	1	4/26/2021 2:30:58 PM	B76961
Surr: 4-Bromofluorobenzene	99.5	70-130	%Rec	1	4/26/2021 2:30:58 PM	B76961
Surr: Dibromofluoromethane	108	70-130	%Rec	1	4/26/2021 2:30:58 PM	B76961
Surr: Toluene-d8	99.5	70-130	%Rec	1	4/26/2021 2:30:58 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-12

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 11:00:00 AM

 Lab ID:
 2104A25-005
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/23/2021 2:17:44 AM	A76894
Sulfate	200	2.5		mg/L	5	4/23/2021 2:17:44 AM	A76894
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	875	100	*D	mg/L	1	4/29/2021 10:43:00 AM	59650
EPA METHOD 8015M/D: DIESEL RANGE						Analyst	: mb
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/26/2021 1:44:12 PM	59606
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/26/2021 1:44:12 PM	59606
Surr: DNOP	92.0	63.7-164		%Rec	1	4/26/2021 1:44:12 PM	59606
EPA METHOD 8015D: GASOLINE RANGE						Analyst	CCM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/24/2021 12:47:00 AM	
Surr: BFB	103	68.5-136		%Rec	1	4/24/2021 12:47:00 AM	
EPA METHOD 8260B: VOLATILES						Analyst	: BRM
Benzene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Toluene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Ethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Methyl tert-butyl ether (MTBE)	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2,4-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
1,3,5-Trimethylbenzene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2-Dichloroethane (EDC)	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2-Dibromoethane (EDB)	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Naphthalene	ND	2.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
1-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
2-Methylnaphthalene	ND	4.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Acetone	ND	10		μg/L	1	4/26/2021 2:58:07 PM	B76961
Bromobenzene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Bromodichloromethane	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Bromoform	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Bromomethane	ND	3.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
2-Butanone	ND	10		μg/L	1	4/26/2021 2:58:07 PM	B76961
Carbon disulfide	ND	10		μg/L	1	4/26/2021 2:58:07 PM	B76961
Carbon Tetrachloride	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Chlorobenzene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Chloroethane	ND	2.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Chloroform	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
Chloromethane	ND	3.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
2-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961
4-Chlorotoluene	ND	1.0		μg/L	1	4/26/2021 2:58:07 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**Date Reported: **5/5/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-12

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 11:00:00 AM

 Lab ID:
 2104A25-005
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BRM
cis-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Dibromochloromethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Dibromomethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,3-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,4-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Dichlorodifluoromethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1-Dichloroethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1-Dichloroethene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,3-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
2,2-Dichloropropane	ND	2.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Hexachlorobutadiene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
2-Hexanone	ND	10	μg/L	1	4/26/2021 2:58:07 PM	B76961
Isopropylbenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
4-Isopropyltoluene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
4-Methyl-2-pentanone	ND	10	μg/L	1	4/26/2021 2:58:07 PM	B76961
Methylene Chloride	ND	3.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
n-Butylbenzene	ND	3.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
n-Propylbenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
sec-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Styrene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
tert-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
trans-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1,1-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,1,2-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Trichloroethene (TCE)	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Trichlorofluoromethane	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
1,2,3-Trichloropropane	ND	2.0	μg/L	1	4/26/2021 2:58:07 PM	B76961
Vinyl chloride	ND	1.0	μg/L	1	4/26/2021 2:58:07 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report

Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: MW-12

 Project:
 Chama Conoco
 Collection Date: 4/22/2021 11:00:00 AM

 Lab ID:
 2104A25-005
 Matrix: AQUEOUS
 Received Date: 4/22/2021 3:44:00 PM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	: BRM
Xylenes, Total	ND	1.5	μg/L	1	4/26/2021 2:58:07 PM	B76961
Surr: 1,2-Dichloroethane-d4	110	70-130	%Rec	1	4/26/2021 2:58:07 PM	B76961
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	4/26/2021 2:58:07 PM	B76961
Surr: Dibromofluoromethane	115	70-130	%Rec	1	4/26/2021 2:58:07 PM	B76961
Surr: Toluene-d8	99.2	70-130	%Rec	1	4/26/2021 2:58:07 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: Trip Blank

Project: Chama Conoco Collection Date:

Lab ID: 2104A25-006 **Matrix:** TRIP BLANK **Received Date:** 4/22/2021 3:44:00 PM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BRM
Benzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Toluene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Ethylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Methyl tert-butyl ether (MTBE)	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2,4-Trimethylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,3,5-Trimethylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2-Dichloroethane (EDC)	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2-Dibromoethane (EDB)	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Naphthalene	ND	2.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1-Methylnaphthalene	ND	4.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
2-Methylnaphthalene	ND	4.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Acetone	ND	10	μg/L	1	4/26/2021 3:25:15 PM	B76961
Bromobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Bromodichloromethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Bromoform	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Bromomethane	ND	3.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
2-Butanone	ND	10	μg/L	1	4/26/2021 3:25:15 PM	B76961
Carbon disulfide	ND	10	μg/L	1	4/26/2021 3:25:15 PM	B76961
Carbon Tetrachloride	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Chlorobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Chloroethane	ND	2.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Chloroform	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Chloromethane	ND	3.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
2-Chlorotoluene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
4-Chlorotoluene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
cis-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
cis-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2-Dibromo-3-chloropropane	ND	2.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Dibromochloromethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Dibromomethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,3-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,4-Dichlorobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Dichlorodifluoromethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,1-Dichloroethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,1-Dichloroethene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,3-Dichloropropane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
2,2-Dichloropropane	ND	2.0	μg/L	1	4/26/2021 3:25:15 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2104A25**

Date Reported: 5/5/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder Miller & Associates Client Sample ID: Trip Blank

Project: Chama Conoco Collection Date:

Lab ID: 2104A25-006 **Matrix:** TRIP BLANK **Received Date:** 4/22/2021 3:44:00 PM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BRM
1,1-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Hexachlorobutadiene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
2-Hexanone	ND	10	μg/L	1	4/26/2021 3:25:15 PM	B76961
Isopropylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
4-Isopropyltoluene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
4-Methyl-2-pentanone	ND	10	μg/L	1	4/26/2021 3:25:15 PM	B76961
Methylene Chloride	ND	3.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
n-Butylbenzene	ND	3.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
n-Propylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
sec-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Styrene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
tert-Butylbenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,1,1,2-Tetrachloroethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Tetrachloroethene (PCE)	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
trans-1,2-DCE	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2,3-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2,4-Trichlorobenzene	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,1,1-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,1,2-Trichloroethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Trichloroethene (TCE)	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Trichlorofluoromethane	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
1,2,3-Trichloropropane	ND	2.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Vinyl chloride	ND	1.0	μg/L	1	4/26/2021 3:25:15 PM	B76961
Xylenes, Total	ND	1.5	μg/L	1	4/26/2021 3:25:15 PM	B76961
Surr: 1,2-Dichloroethane-d4	112	70-130	%Rec	1	4/26/2021 3:25:15 PM	B76961
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	4/26/2021 3:25:15 PM	B76961
Surr: Dibromofluoromethane	111	70-130	%Rec	1	4/26/2021 3:25:15 PM	B76961
Surr: Toluene-d8	98.8	70-130	%Rec	1	4/26/2021 3:25:15 PM	B76961

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Pace Analytical® ANALYTICAL REPORT

















Hall Environmental Analysis Laboratory

L1344224 Sample Delivery Group: Samples Received: 04/27/2021

Project Number:

Description:

Report To: Jackie Bolte

4901 Hawkins NE

Albuquerque, NM 87109

Entire Report Reviewed By: Jahn V Houkins

John Hawkins

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. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SAMPLE SUMMARY

			Collected by	Collected date/time	Received da	te/time
2104A25-001D MW-6 L1344224-01 WW			,	04/22/21 09:50	04/27/21 09:	15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 410.4	WG1663817	1	05/04/21 10:19	05/04/21 16:51	LRP	Mt. Juliet, TN
			Collected by	Collected date/time		
2104A25-002D MW-8 L1344224-02 WW				04/22/21 10:30	04/27/21 09:	15
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 410.4	WG1663817	1	05/04/21 10:19	05/04/21 16:51	LRP	Mt. Juliet, TN
2104A25-003D MW-9 L1344224-03 WW			Collected by	Collected date/time 04/22/21 11:30	Received da 04/27/21 09:	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Wet Chemistry by Method 410.4	WG1663817	1	05/04/21 10:19	05/04/21 16:51	LRP	Mt. Juliet, TN
2104A25-004D MW-11 L1344224-04 WW			Collected by	Collected date/time 04/22/21 12:00	Received da 04/27/21 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 410.4	WG1663817	1	05/04/21 10:19	05/04/21 16:51	LRP	Mt. Juliet, TN
2104A25-005D MW-12 L1344224-05 WW			Collected by	Collected date/time 04/22/21 11:00	Received da 04/27/21 09:	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location

WG1663817



















Wet Chemistry by Method 410.4

05/04/21 10:19

05/04/2116:51

LRP

Mt. Juliet, TN

CASE NARRATIVE

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.

















PAGE:

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John Hawkins Project Manager

2104A25-001D MW-6 Collected date/time: 04/22/21 09:50

SAMPLE RESULTS - 01

L

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
COD	99.0		20.0	1	05/04/2021 16:51	WG1663817	



















2104A25-002D MW-8 Collected date/time: 04/22/21 10:30

SAMPLE RESULTS - 02

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
COD	32.3		20.0	1	05/04/2021 16:51	WG1663817	



















2104A25-003D MW-9 Collected date/time: 04/22/21 11:30

SAMPLE RESULTS - 03

	Result	Qualifier	RDL	Dilution	Analysis	<u>Batch</u>	
Analyte	mg/l		mg/l		date / time		
COD	71 4		20.0	1	05/04/2021 16:51	WG1663817	



















2104A25-004D MW-11 Collected date/time: 04/22/21 12:00

SAMPLE RESULTS - 04

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
COD	34.6		20.0	1	05/04/2021 16:51	WG1663817	



















2104A25-005D MW-12 Collected date/time: 04/22/21 11:00

SAMPLE RESULTS - 05

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
COD	24.2		20.0	1	05/04/2021 16:51	WG1663817	



















WG1663817

QUALITY CONTROL SUMMARY

Wet Chemistry by Method 410.4

L1344224-01,02,03,04,05

Method Blank (MB)

(MB) R3650264-1 05/04/	/21 16:47			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
COD	U		11.7	20.0





L1343679-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1343679-01 05/04/2116:48 • (DUP) R3650264-5 05/04/2116:48

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
COD	87.2	92.3	1	5.61		20





L1343991-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1343991-01 05/04/21 16:49 • (DUP) R3650264-6 05/04/21 16:50

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
COD	ND	ND	1	0.000		20





Laboratory Control Sample (LCS)

(LCS) R3650264-2 05/04/21 16:47

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
COD	500	503	101	90.0-110	

L1343627-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) I 1343627-01 05/04/21 16:48 • (MS) R3650264-3 05/04/21 16:48 • (MSD) R3650264-4 05/04/21 16:48

(00) 210 10027 01 00/01/	(65) 2.6 (652) 6. (66) 6.2 (6.6) (6.6											
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
COD	500	26.8	564	575	107	110	1	80 0-120			1.89	20

SDG:

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Abbreviations and	a Definitions
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the resul reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina 1	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 1 6	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA - ISO 17025 5	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003



















EPA-Crypto

 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD PA

AGE:	OF:
1	1
1	1

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975

Website: clients.hallenvironmental.com

FAX: 505-345-4107

SUB CO	NTRATOR: Pace	TN COMPANY:	PACE TN		PHONE:	-	(800) 767-5859	FAX:	(615) 758-5859
ADDRE	SS: 12065	Lebanon Rd			ACCOUNT #:		()	EMAIL:	(020) 100 000
CITY, S	Mt. Ju	uliet, TN 37122							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	A	NALYTICA	LB4724 L COMMENTS
1	2104A25-001D	MW-6	500HDPEH2	Aqueous	4/22/2021 9:50:00 AM	1	COD		-01
2	2104A25-002D	MW-8		Aqueous	4/22/2021 10:30:00 AM	1	COD		-02
3	2104A25-003D	MW-9		Aqueous	4/22/2021 11:30:00 AM	1	COD		-03
4	2104A25-004D	MW-11		Aqueous	4/22/2021 12:00:00 PM	1	COD		-04
5	2104A25-005D	MW-12			4/22/2021 11:00:00 AM	1	COD		-05

B038

Bottles arrive intact: N Correct bottles used: N	Checklist If Applicable VOA Zero Headspace: Pres.Correct/Check:	Y
Sufficient volume sent: N		

SPECIAL INSTRUCTIONS / COMMEN	TS:										
Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.											
Relinquished By: 564	Date: 4/22/2021	Time: 3:59 PM	Received By:	Date:	Time:	REPORT TRANSMITTAL DESIRED: HARDCOPY (extra cost)					
Relinquished By:	Date:	Time:	Received By:	Date:	Time:						
Relinquished By:	ned By: Date: Time: Received By Juil Oy/27/2					FOR LAB USE ONLY Temp of samples 4.1-2-3.27 Attempt to Cool?					
TAT: Stand											
			5016	1223	7290						

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104A25**

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBW Batch ID: A76894 RunNo: 76894

Prep Date: Analysis Date: 4/22/2021 SeqNo: 2725218 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Nitrogen, Nitrate (As N)
 ND
 0.10

 Sulfate
 ND
 0.50

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSW Batch ID: A76894 RunNo: 76894

Prep Date: Analysis Date: 4/23/2021 SeqNo: 2725219 Units: mg/L

LowLimit Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual 90 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 99.8 110 Sulfate 0.50 10.00 0 97.0 90 110 9.7

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 18 of 24

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104A25

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: MB-59606 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Client ID: PBW Batch ID: 59606 RunNo: 76951 Prep Date: 4/23/2021 Analysis Date: 4/26/2021 SeqNo: 2727275 Units: mg/L PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Diesel Range Organics (DRO) ND 1.0 Motor Oil Range Organics (MRO) ND 5.0 Surr: DNOP 0.89 1.000 89.0 63.7 164

Sample ID: LCS-59606 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Client ID: LCSW Batch ID: 59606 RunNo: 76951 Prep Date: 4/23/2021 Analysis Date: 4/26/2021 SeqNo: 2727276 Units: mg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

96.6 Diesel Range Organics (DRO) 1.0 70 130 4.8 5.000 Surr: DNOP 0.43 0.5000 85.7 63.7 164

Sample ID: 2104A25-001BMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range

Client ID: MW-6 RunNo: 76951 Batch ID: 59606

Prep Date: 4/23/2021 Analysis Date: 4/26/2021 SeqNo: 2727277 Units: mg/L

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 5.0 1.0 5.000 0 101 70 130

TestCode: EPA Method 8015M/D: Diesel Range

Surr: DNOP 0.44 0.5000 88.4 63.7 164

SampType: MSD Client ID: MW-6 Batch ID: 59606 RunNo: 76951

Prep Date: 4/23/2021 Analysis Date: 4/26/2021 SeqNo: 2727278 Units: mg/L

%RPD Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Analyte Diesel Range Organics (DRO) 6.0 1.0 5.000 0 120 70 130 17.1 20 Surr: DNOP 0 0.54 0.5000 108 63.7 164 0

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

Sample ID: 2104A25-001BMSD

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 19 of 24

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104A25**

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: MB SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBW Batch ID: G76911 RunNo: 76911

Prep Date: Analysis Date: 4/24/2021 SeqNo: 2726009 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 0.050

Surr: BFB 21 20.00 105 68.5 136

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 20 of 24

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104A25**

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: 100ng lcs	SampT	ype: LC	S	Tes	8260B: VOL	ATILES				
Client ID: LCSW	Batch	n ID: B7	6961	F	RunNo: 7	6961				
Prep Date:	Analysis D	oate: 4/	26/2021	8	SeqNo: 2	727758	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	70	130			
Toluene	19	1.0	20.00	0	96.4	70	130			
Chlorobenzene	18	1.0	20.00	0	91.6	70	130			
1,1-Dichloroethene	19	1.0	20.00	0	94.9	70	130			
Trichloroethene (TCE)	20	1.0	20.00	0	100	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.8	70	130			
Surr: Dibromofluoromethane	11		10.00		108	70	130			
Surr: Toluene-d8	9.7		10.00		97.3	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: VOLATILES

Client ID: PBW Batch ID: B76961 RunNo: 76961

Prep Date: Analysis Date: 4/26/2021 SeqNo: 2727777 Units: µg/L

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Methyl tert-butyl ether (MTBE)	ND	1.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
1,2-Dichloroethane (EDC)	ND	1.0								
1,2-Dibromoethane (EDB)	ND	1.0								
Naphthalene	ND	2.0								
1-Methylnaphthalene	ND	4.0								
2-Methylnaphthalene	ND	4.0								
Acetone	ND	10								
Bromobenzene	ND	1.0								
Bromodichloromethane	ND	1.0								
Bromoform	ND	1.0								
Bromomethane	ND	3.0								
2-Butanone	ND	10								
Carbon disulfide	ND	10								
Carbon Tetrachloride	ND	1.0								
Chlorobenzene	ND	1.0								
Chloroethane	ND	2.0								
Chloroform	ND	1.0								
Chloromethane	ND	3.0								
2-Chlorotoluene	ND	1.0								

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#: 2104A25

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: mb

Client ID: PBW Batch ID: **B76961** RunNo: 76961 Prep Date: Analysis Date: 4/26/2021 SeqNo: 2727777 Units: µg/L

TestCode: EPA Method 8260B: VOLATILES

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 4-Chlorotoluene ND 1.0 cis-1.2-DCE ND 1.0 ND cis-1,3-Dichloropropene 1.0 1,2-Dibromo-3-chloropropane ND 2.0 Dibromochloromethane ND 1.0 Dibromomethane ND 1.0 1,2-Dichlorobenzene ND 1.0 1,3-Dichlorobenzene ND 1.0 1,4-Dichlorobenzene ND 1.0 ND 1.0 Dichlorodifluoromethane 1,1-Dichloroethane ND 1.0 1,1-Dichloroethene ND 1.0 ND 1,2-Dichloropropane 1.0 1,3-Dichloropropane ND 1.0 2,2-Dichloropropane ND 2.0 1,1-Dichloropropene ND 1.0 ND Hexachlorobutadiene 1.0 2-Hexanone ND 10 Isopropylbenzene ND 1.0 4-Isopropyltoluene ND 1.0 ND 4-Methyl-2-pentanone 10 Methylene Chloride ND 3.0 n-Butylbenzene ND 3.0 n-Propylbenzene ND 1.0 sec-Butylbenzene ND 1.0 ND 1.0 Styrene tert-Butylbenzene ND 1.0 1,1,1,2-Tetrachloroethane ND 1.0 1,1,2,2-Tetrachloroethane ND 2.0 Tetrachloroethene (PCE) ND 1.0 trans-1,2-DCE ND 1.0 ND 1.0 trans-1,3-Dichloropropene 1,2,3-Trichlorobenzene ND 1.0 ND 1,2,4-Trichlorobenzene 1.0 1,1,1-Trichloroethane ND 1.0 1,1,2-Trichloroethane ND 1.0 Trichloroethene (TCE) ND 1.0 Trichlorofluoromethane ND 1.0 1,2,3-Trichloropropane ND 2.0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104A25**

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: mb SampType: MBLK TestCode: EPA Method 8260B: VOLATILES Client ID: PBW Batch ID: **B76961** RunNo: 76961 Prep Date: Analysis Date: 4/26/2021 SeqNo: 2727777 Units: µg/L Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Vinyl chloride ND 1.0 Xylenes, Total ND 1.5 70 Surr: 1,2-Dichloroethane-d4 10 10.00 103 130 10.00 105 70 130 Surr: 4-Bromofluorobenzene 11 70 Surr: Dibromofluoromethane 11 10.00 108 130 Surr: Toluene-d8 9.9 10.00 99.3 70 130

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2104A25**

05-May-21

Client: Souder Miller & Associates

Project: Chama Conoco

Sample ID: MB-59650 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 59650 RunNo: 77034

Prep Date: 4/27/2021 Analysis Date: 4/29/2021 SeqNo: 2730607 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids ND 20.0

Sample ID: LCS-59650 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 59650 RunNo: 77034

Prep Date: 4/27/2021 Analysis Date: 4/29/2021 SeqNo: 2730608 Units: mg/L

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Total Dissolved Solids 1020 20.0 1000 0 102 80 120

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 24 of 24



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name:	Souder Miller & Associates	Work Order Numl	ber: 2104	A25		RcptNo: 1				
Received By:	Sean Livingston	4/22/2021 3:44:00 I	PM		S-L	ng at				
Completed By:	Sean Livingston	4/22/2021 3:48:23 I	РМ		5/	ezot				
Reviewed By:		4/22/21			ع عدر ا					
Chain of Cus	tody		٠							
1. Is Chain of C	ustody complete?		Yes	V	No 🗌	Not Present				
2. How was the	sample delivered?		Clien	<u>t</u>						
<u>Log In</u>										
Was an attern	npt made to cool the sam	ples?	Yes	✓	No 🗆	NA 🗌				
4. Were all samp	oles received at a temper	rature of >0° C to 6.0°C	Yes	V	No 🗌	na 🗆				
5. Sample(s) in	proper container(s)?		Yes	V	No 🗌					
6. Sufficient sam	ple volume for indicated	test(s)?	Yes	✓	No 🗌					
7. Are samples (except VOA and ONG) p	roperly preserved?	Yes	✓	No 🗌					
8. Was preserva	tive added to bottles?		Yes		No 🗹	NA 🗆				
9. Received at le	ast 1 vial with headspace	e <1/4" for AQ VOA?	Yes	Y	No 🗆	NA 🗆				
10. Were any san	nple containers received	broken?	Yes		No 🗹					
						# of preserved bottles checked	i A			
	ork match bottle labels?	L.A	Yes	✓	No 🗌	101 011.	/ <i>O</i> >12 unless noted)			
	ancies on chain of custod correctly identified on Cha	•	Van	. . (No 🗌	_	>12 uniess noted)			
	t analyses were requeste		Yes Yes	<u>~</u>	No 🗆	,	<u></u>			
	ng times able to be met?		Yes		No 🗆	Checked by: 7	DAD 4.22.21			
	ustomer for authorization		169	•		1	4.62.2			
Special Handl	ing (if applicable)									
15. Was client no	tified of all discrepancies	with this order?	Yes		No 🗀	NA 🗹				
Person	Notified:	Date:		***************************************						
By Who	om;	Via:	eMa	il 🗌] Phone [] Fax	☐ In Person				
Regardi	ing:		THE COURSE STREET, SPECIAL PROPERTY.		NOCHWIA					
Client Ir	nstructions:		· · · · · · · · · · · · · · · · · · ·							
16. Additional rei	marks:									
17. Cooler Infor	mation									
Cooler No	4 4 5 5 44 48 48 4	Seal Intact Seal No	Seal Da	te	Signed By					
1	2.2 Good	ACCIDENT AND A SECOND ASSESSMENT								
2	2.7 Good	The state of the s	2010 Air day							

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Chain-of-Custody Record			Mailing Address: N3		Phone #: 5.45 てか-034こ	email or Fax#:	QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	Accreditation: Az Compliance NELAC Other	ype)		Date Time Matrix Sample Name		 1 1636 MN-8	1130 HW-9	Door HW-il	1100 V HW-12	Trip.			Date: Time: Relinquished by:	Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subα