Cottonwood CONSULTING

P.O. Box 1653
Durango, Colorado 81302
(970) 764-7356
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February 2, 2026

Jerrid Brann
Simcoe LLC
1199 Main Ave Suite 101
Durango, CO 81301

RE: Mudge B #012R
2025 Monitoring Report

Dear Ms. Brann,

Cottonwood Consulting LLC (Cottonwood) is pleased to provide Simcoe LLC (Simcoe) with the results of the groundwater and soil vapor extraction (SVE) monitoring conducted at the Mudge B #012R well site (API 30-045-10948). Details regarding the methodology and associated results are summarized below.

Background

In September 2015, a historical production pit was discovered on the Mudge B #012R well site during a below-grade tank (BGT) replacement project. Soil boring results confirmed the presence of impacted soils at the location of the former pit. Three groundwater monitoring wells, MW #1, MW #2, and MW #3, were installed in areas upgradient of impacts, downgradient of impacts, and at the source of impacts, respectively, within the project area.

In May 2019, an SVE system was installed at the Mudge B #012R. The system has been extracting from SVE Point #1 since it commenced operation.

See Figure 1 for a site map showing the locations of all groundwater monitoring wells and SVE points.

Methodology

Groundwater Monitoring Wells

Groundwater sampling was conducted on March 25, June 17, September 16, and December 10, 2025. Prior to groundwater sample collection, depth-to-water measurements were collected, then approximately three wellbore volumes were purged from each well with new disposable bailers. The groundwater sample was collected following US EPA SW-846 protocol. The groundwater sample was transferred into laboratory-provided containers with the appropriate preservative, stored in a cooler on ice, and submitted with a complete chain-of-custody to Green Analytical

Laboratories (GAL) for analysis of volatile organic compounds (VOCs) by US EPA Method 8260B. Cottonwood also collected field measurements of pH, conductivity, and temperature.

Fluids generated during monitoring well purging were discarded into the tank located on the well site. The tank contents are disposed of through approved NMOCD operational procedures for removal of produced fluids.

Soil Vapor Extraction System

The soil vapor extraction system (SVE) was installed and commenced operation in December 2016. Weekly to monthly monitoring has been ongoing since then. During the regular monitoring, observations are made about the SVE system operation and general condition, organic vapor meter (OVM) readings are collected from the exhaust of the SVE unit, vacuum pressure on the unit is noted, and the quantity of water within the drum located on the unit is noted and the drum drained, if required. See Figure 2 for OVM reading results.

An annual gas sample is also collected from the SVE unit. The gas sample was submitted to Hall Environmental Analysis Laboratory (HEAL) and analyzed for Total Petroleum Hydrocarbons (TPH) Gasoline Range Organics (GRO) by US EPA Method 8015D and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by US EPA Method 8021B.

Monitoring Results

Groundwater Monitoring Wells

BTEX was not detected in MW #2 during the 2025 sampling events; so this groundwater monitoring well has achieved BTEX levels below the NMWQCC standard for eight consecutive quarters.

MW #1 and MW #3 have achieved eight or more consecutive quarters of sample results below the NMWQCC standard. MW #2 achieved eight consecutive quarters below the NMWQCC standard in December 2022 and has continued to be below the standard in all subsequent monitoring events. A groundwater sampling results table is included as Attachment 1 and the GAL groundwater sampling laboratory reports from the 2025 groundwater sampling are included as Attachment 2.

Soil Vapor Extraction System

OVM readings collected during 2025 ranged from 5.3 parts per million (ppm) to 29.3 ppm. The system was operational upon arrival during approximately 42 percent of the monitoring events. A summary of the SVE System Monitoring Data is included in Attachment 3. TPH GRO and BTEX were not detected in the gas sample collected from the SVE system. The HEAL gas sample laboratory report from the 2025 gas sampling event is included as Attachment 4.

Conclusion

All of the monitoring wells have achieved BTEX levels below the NMWQCC standard for eight consecutive quarters. It appears that the SVE system significantly reduced OVM readings in SVE point from 2016 to 2025. OVM readings have been on a general downward trend since the system began extraction. In the future, Simcoe may advance subsurface soil borings to verify closure standards are met. Simcoe will continue to conduct groundwater monitoring and sampling as required.

Should you have any questions, please do not hesitate to contact me at 970-764-7356. Cottonwood appreciates the opportunity to provide services to Simcoe.

Sincerely,

Kyle D. Siesser

Kyle Siesser, P.G.
Cottonwood Consulting LLC

Attachments: Figure 1 – Site Map
Figure 2 – SVE Monitoring Results
Attachment 1 – Groundwater Sampling Results
Attachment 2 – GAL Groundwater Sampling Laboratory Report
Attachment 3 – SVE System Monitoring Data
Attachment 4 – HEAL Gas Sampling Laboratory Report

FIGURE 1

Mudge B 012R SVE Layout

API #30-045-10792
(A), S-17, T31N, R11W
SVE System GPS:
36.902742°, -108.008073°

FIGURE 2

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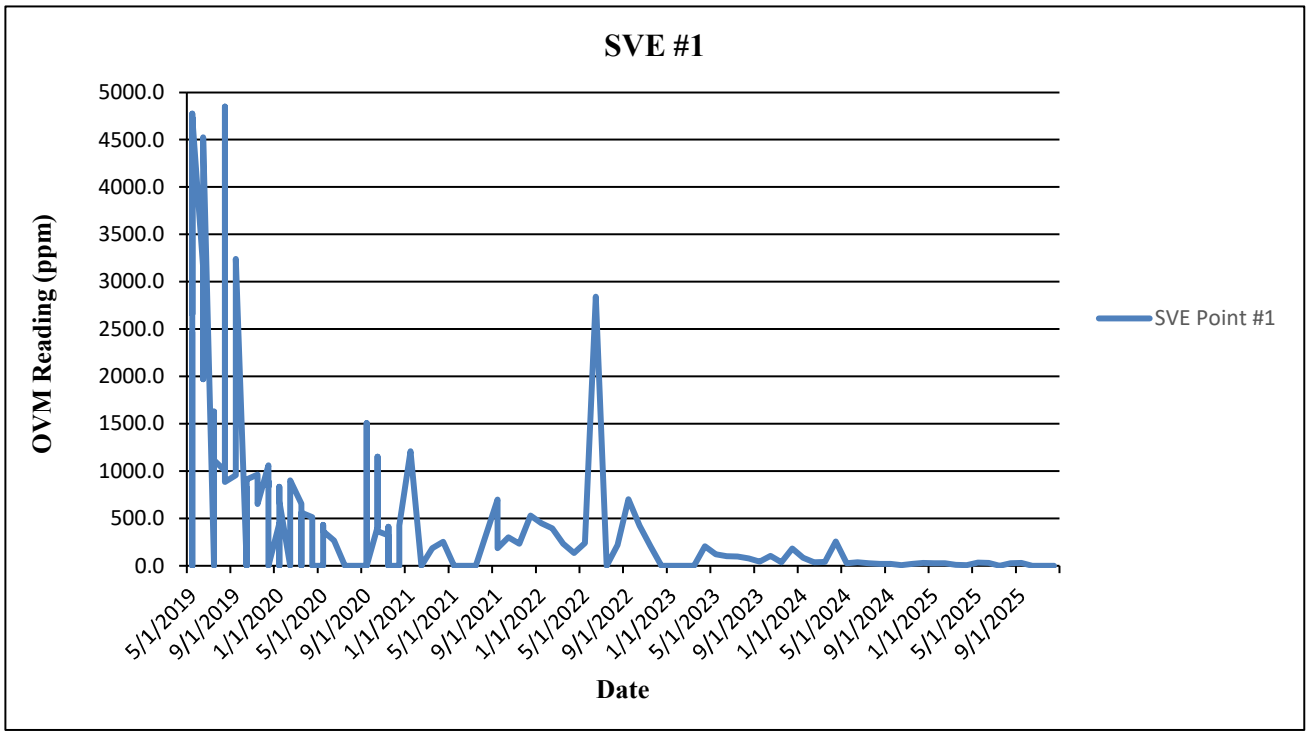
Mudge B #012R
SVE Monitoring Results
Simcoe LLC



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ATTACHMENT 1

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Mudge B #012R
Groundwater Sampling Results
Simcoe LLC

Well Name	Sample Date	Depth to Water (ft)	Well Depth (ft)	TDS (mg/L)	Conductivity (umhos)	pH	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #1	12/28/16	43.49	49.90	6,120	4,400	6.86	ND	ND	ND	ND
MW #1	03/15/17	42.85	"	-	4,000	7.15	ND	ND	ND	ND
MW #1	06/30/17	42.25	"	-	4,600	6.93	ND	ND	ND	ND
MW #1	09/20/17	42.60	"	-	3,700	6.81	ND	ND	ND	ND
MW #1	12/20/17	41.90	"	-	2,700	6.87	ND	ND	ND	ND
MW #1	03/26/18	41.84	"	-	4,400	7.10	ND	ND	ND	ND
MW #1	06/28/18	41.84	"	-	3,500	6.80	ND	ND	ND	ND
MW #1	09/26/18	41.93	"	-	2,700	6.96	ND	ND	ND	ND
MW #1	12/19/18	42.07	"	-	3,200	7.48	ND	ND	ND	ND
MW #1	03/02/21	-	"	-	-	-	ND	ND	ND	ND
MW #2	12/28/16	42.59	46.40	7,940	4,200	6.70	**320**	250	500	**5,800**
MW #2	03/15/17	41.95	"	-	5,200	6.78	**320**	13	360	**3,700**
MW #2	06/30/17	41.42	"	-	5,800	6.78	**350**	9.3	700	**4,600**
MW #2	09/20/17	41.69	"	-	4,100	6.73	**140**	ND	350	400
MW #2	12/20/17	40.98	"	-	4,200	6.74	**160**	11	190	**1,300**
MW #2	03/26/18	40.88	"	-	5,000	6.91	**140**	11	220	**780**
MW #2	06/28/18	40.83	"	-	4,200	6.91	**110**	ND	270	620
MW #2	09/26/18	40.89	"	-	3,800	7.00	**140**	ND	320	620
MW #2	12/19/18	40.98	"	-	3,900	6.71	**96**	3.6	98	280
MW #2	03/29/19	40.94	"	-	3,100	6.93	**46**	ND	28	130
MW #2	06/28/19	40.49	"	-	2,200	7.21	**26**	ND	7.4	13
MW #2	09/18/19	40.50	"	-	2,100	6.90	3.7	ND	5.6	15
MW #2	12/19/19	40.56	"	-	3,100	7.11	**7.7**	ND	4.4	5.3
MW #2	03/31/20	40.86	"	-	3,500	7.38	1.8	ND	1.2	2.3
MW #2	06/08/20	40.85	"	-	2,600	7.24	**6.6**	1.8	ND	2.3
MW #2	09/17/20	41.17	"	-	1,600	7.09	ND	ND	ND	ND
MW #2	03/02/21	-	"	-	-	-	ND	ND	ND	ND
MW #2	08/20/21	41.85	"	-	8,730	7.94	3.4	ND	ND	ND
MW #2	12/08/21	42.16	"	-	8,570	7.84	1.7	ND	ND	ND
MW #2	03/17/22	42.16	"	-	9,100	7.93	4	ND	ND	ND
MW #2	06/09/22	42.49	"	-	8,440	7.68	1	ND	ND	ND
MW #2	09/15/22	42.77	"	-	8,910	7.79	4	ND	ND	ND
MW #2	12/15/22	43.07	"	-	9,170	8.07	5	ND	ND	ND
MW #2	03/28/23	43.80	"	-	9,600	8.62	2	ND	ND	ND
MW #2	06/21/23	42.83	"	-	7,530	7.90	ND	ND	ND	ND
MW #2	09/20/23	42.17	"	-	9,260	8.03	2	ND	ND	ND
MW #2	12/14/23	42.71	"	-	9,210	7.89	3	ND	ND	ND
MW #2	03/27/24	43.93	"	-	8,160	8.20	4	ND	ND	ND
MW #2	06/12/24	43.00	"	-	7,890	7.55	3	ND	ND	ND
MW #2	09/17/24	42.94	"	-	7,780	-	ND	ND	ND	ND
MW #2	12/10/24	43.06	"	-	2,900	7.92	2	ND	ND	ND
MW #2	03/25/25	44.90	"	-	8,260	7.42	3	ND	ND	ND
MW #2	06/17/25	43.91	"	-	8,500	7.22	3	ND	ND	ND
MW #2	09/16/25	44.45	"	-	8,120	7.42	2	ND	ND	ND
MW #2	12/10/25	45.33	"	-	7,.280	7.71	3	ND	ND	ND
			NMWQCC Groundwater Standard			6-9	5	1000	700	620

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Well Name	Sample Date	Depth to Water (ft)	Well Depth (ft)	TDS (mg/L)	Conductivity (umhos)	pH	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Total Xylenes (ppb)
MW #3	12/28/16	42.15	44.00	8,100	4,400	6.72	**15**	ND	ND	**970**
MW #3	03/15/17	41.83	"	-	4,300	7.08	**9.0**	ND	140	**730**
MW #3	06/30/17	41.43	"	-	4,200	6.71	**5.6**	ND	120	ND
MW #3	09/20/17	41.24	"	-	3,300	6.76	**7.6**	ND	87	15
MW #3	12/20/17	41.16	"	-	3,200	6.82	**9.7**	ND	39	7.4
MW #3	03/26/18	41.16	"	-	3,900	6.99	**7.7**	ND	7.3	3.2
MW #3	06/28/18	41.18	"	-	3,400	6.89	**9.1**	ND	1.8	4.7
MW #3	09/26/18	41.20	"	-	2,900	7.03	**13**	ND	ND	ND
MW #3	12/19/18	41.37	"	-	3,700	7.14	**15**	ND	ND	ND
MW #3	03/29/19	41.39	"	-	2,700	7.22	**7.5**	ND	ND	ND
MW #3	06/28/19	40.99	"	-	2,000	7.30	**9.4**	ND	ND	5.2
MW #3	09/18/19	40.78	"	-	1,800	6.89	**13**	ND	ND	ND
MW #3	12/19/19	40.82	"	-	3,400	7.76	**5.2**	ND	ND	ND
MW #3	03/31/20	41.06	"	-	3,100	7.59	5.0	2.1	1.2	7.4
MW #3	06/08/20	41.20	"	-	2,400	7.41	3.1	1.7	ND	3.9
MW #3	09/17/20	41.45	"	-	1,600	7.35	1.5	ND	ND	ND
MW #3	12/16/20	41.59	"	-	3,900	7.54	1.7	ND	ND	ND
MW #3	03/03/21	-	"	-	-	-	ND	ND	ND	ND
MW #3	06/10/21	-	"	-	-	-	1.3	ND	ND	2.4
MW #3	08/20/21	41.95	"	-	8,940	7.84	ND	ND	ND	ND
MW #3	12/08/21	42.10	"	-	8,520	7.71	1.2	ND	ND	ND
NMWQCC Groundwater Standard						6-9	5	1000	700	620

Well Name	Sample Date	Fluoride (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Nitrate (mg/L)	Iron (mg/L)	Manganese (mg/L)	Naphthalene (mg/L)
MW #1	12/28/16	ND	93	4,400	**6,120**	ND	-	-	ND
MW #2	12/28/16	ND	240	3,400	**7,940**	ND	-	-	21
MW #2	09/18/19	-	-	-	**7,680**	-	0.36	**1.8**	ND
MW #3	12/28/16	ND	150	3,800	**8,100**	ND	-	-	ND
NMWQCC Groundwater Standard		1.6	250.0	600.0	1000	10	1.0	0.2	0.03

Notes:
TDS - Total Dissolved Solids
ft - feet
mg/L - milligrams per liter
umhos - microhms
ppb - parts per billion
ND - Not Detected
"-" - Indicates no data
NMWQCC - New Mexico Water Quality Control Commission
Depth to water measured from top of well casing
Bold values exceed NMWQCC Standard

Cottonwood CONSULTING

ATTACHMENT 2

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
jeremy.allen@greenanalytical.com

30 January 2026

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: GCU Com H #180

Enclosed are the results of analyses for samples received by the laboratory on 03/26/25 14:45. This data replaces the previous report (See case narrative). The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Jeremy D. Allen

Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

Table of Contents

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #102	2503244-01	Water	03/25/25 12:15	03/26/25 14:45	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

This report has been reissued in order to unlock the pdf, per client request. This replaces the previously issued report dated 2503244_1 GAL 04 04 25 0825.

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

MW #102

2503244-01 (Ground Water)
Sampled Date: 03/25/25 12:15
Sampled By: Kelsey O'brien/Joseph Lafortune

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
1,2,4-Trimethylbenzene*	**0.001**	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	03/31/25 17:13	8260B		SK
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	03/31/25 17:13	8260B		SK
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	03/31/25 17:13	8260B		SK
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	03/31/25 17:13	8260B		SK
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
1,4-Dioxane	<0.020	0.020	0.020	mg/L	1	03/31/25 17:13	8260B		SK
1.2.3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
2-Butanone*	<0.002	0.002	0.002	mg/L	1	03/31/25 17:13	8260B		SK
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	03/31/25 17:13	8260B		SK
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
Acetone*	<0.010	0.010	0.0009	mg/L	1	03/31/25 17:13	8260B		SK
Acrolein*	<0.005	0.005	0.001	mg/L	1	03/31/25 17:13	8260B		SK

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

MW #102

2503244-01 (Ground Water)
Sampled Date: 03/25/25 12:15
Sampled By: Kelsey O'brien/Joseph Lafortune

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	03/31/25 17:13	8260B		SK
Benzene*	<0.0005	0.0005	0.00005	mg/L	1	03/31/25 17:13	8260B		SK
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	03/31/25 17:13	8260B		SK
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Carbon disulfide*	<0.001	0.001	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	03/31/25 17:13	8260B		SK
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	03/31/25 17:13	8260B		SK
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	03/31/25 17:13	8260B		SK
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Ethylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	03/31/25 17:13	8260B		SK
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Iodomethane	<0.001	0.001	0.00006	mg/L	1	03/31/25 17:13	8260B		SK
Isopropylbenzene*	<0.0005	0.0005	0.00002	mg/L	1	03/31/25 17:13	8260B		SK
m+p - Xylene*	<0.001	0.001	0.00008	mg/L	1	03/31/25 17:13	8260B		SK
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	03/31/25 17:13	8260B		SK
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	03/31/25 17:13	8260B		SK
n-Propylbenzene*	<0.0005	0.0005	0.00005	mg/L	1	03/31/25 17:13	8260B		SK
o-Xylene*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
p-Isopropyltoluene*	**0.001**	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	03/31/25 17:13	8260B		SK

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

MW #102

2503244-01 (Ground Water)
Sampled Date: 03/25/25 12:15
Sampled By: Kelsey O'brien/Joseph Lafortune

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	03/31/25 17:13	8260B		SK
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	03/31/25 17:13	8260B		SK
Toluene*	<0.0005	0.0005	0.00008	mg/L	1	03/31/25 17:13	8260B		SK
Total Xylenes*	<0.001	0.001	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	03/31/25 17:13	8260B		SK
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	03/31/25 17:13	8260B		SK
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	03/31/25 17:13	8260B		SK
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	03/31/25 17:13	8260B		SK
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	03/31/25 17:13	8260B		SK
Surrogate: 4-Bromofluorobenzene			*105 %*	*76.4-114*		*03/31/25 17:13*	*8260B*		SK
Surrogate: Dibromofluoromethane			*100 %*	*82.4-141*		*03/31/25 17:13*	*8260B*		SK
Surrogate: Toluene-d8			*100 %*	*87.1-110*		*03/31/25 17:13*	*8260B*		SK

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5033105 - Volatiles										
Blank (5033105-BLK1)			Prepared & Analyzed: 03/31/25							
1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4-Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.020	mg/L							
1.2.3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
Surrogate: 4-Bromofluorobenzene	*0.0252*		mg/L	*0.0250*		*101*	*76.4-114*			
4-Chlorotoluene	ND	0.0005	mg/L							
4-Methyl-2-pentanone	ND	0.001	mg/L							
Acetone	ND	0.010	mg/L							
Acrolein	ND	0.005	mg/L							
Acrylonitrile	ND	0.002	mg/L							
Benzene	ND	0.0005	mg/L							
Bromobenzene	ND	0.0005	mg/L							
Bromochloromethane	ND	0.0005	mg/L							
Bromodichloromethane	ND	0.0005	mg/L							
Bromoform	ND	0.0005	mg/L							

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5033105 - Volatiles (Continued)										
Blank (5033105-BLK1) (Continued)			Prepared & Analyzed: 03/31/25							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	ND	0.001	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
Chlorobenzene	ND	0.0005	mg/L							
Chloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Chloromethane	ND	0.0005	mg/L							
cis-1,2-Dichloroethene	ND	0.0005	mg/L							
cis-1,3-Dichloropropene	ND	0.0005	mg/L							
Dibromochloromethane	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0237*		mg/L	*0.0250*		*94.7*	*82.4-141*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl tert-butyl ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	*0.0258*		mg/L	*0.0250*		*103*	*87.1-110*			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5033105 - Volatiles (Continued)										
LCS (5033105-BS1)			Prepared & Analyzed: 03/31/25							
1,1,1,2-Tetrachloroethane	0.020	0.0005	mg/L	0.0200		98.0	82.4-120			
1,1,1-Trichloroethane	0.018	0.0005	mg/L	0.0200		92.2	80.7-121			
1,1,2,2-Tetrachloroethane	0.025	0.0005	mg/L	0.0200		124	76.5-121			BS-3
1,1,2-Trichloroethane	0.022	0.0005	mg/L	0.0200		111	81.7-118			
1,1-Dichloroethane	0.016	0.0005	mg/L	0.0200		81.8	74.8-123			
1,1-Dichloroethene	0.018	0.0005	mg/L	0.0200		89.8	53.9-149			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		99.3	85.9-115			
1,2,3-Trichlorobenzene	0.018	0.0005	mg/L	0.0200		91.9	76.1-134			
1,2,4-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		108	72.4-136			
1,2,4-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		107	67.4-138			
1,2-Dibromo-3-chloropropane	0.020	0.0005	mg/L	0.0200		102	71.7-124			
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		104	84.9-116			
1,2-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		105	82.5-119			
1,2-Dichloroethane	0.016	0.0005	mg/L	0.0200		81.4	72.5-123			
1,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		106	79.4-117			
1,3,5-Trimethylbenzene	0.021	0.0005	mg/L	0.0200		106	69-137			
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		104	84.4-120			
1,3-Dichloropropane	0.022	0.0005	mg/L	0.0200		110	82.6-117			
1,4-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		103	81.7-118			
1,4-Dioxane	0.526	0.020	mg/L	0.400		131	-34.6-193			
1.2.3-trichloropropane	0.023	0.0005	mg/L	0.0200		114	44.7-168			
2,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.2	62.9-136			
2-Butanone	0.041	0.002	mg/L	0.0400		103	24.1-159			
2-Chlorotoluene	0.022	0.0005	mg/L	0.0200		108	80.2-121			
2-Hexanone	0.056	0.001	mg/L	0.0400		141	56.3-139			BS1
Surrogate: 4-Bromofluorobenzene	*0.0259*		mg/L	*0.0250*		*104*	*76.4-114*			
4-Chlorotoluene	0.022	0.0005	mg/L	0.0200		109	82.2-125			
4-Methyl-2-pentanone	0.052	0.001	mg/L	0.0400		131	60.7-139			
Acetone	0.048	0.010	mg/L	0.0400		120	39.1-168			
Acrolein	0.147	0.005	mg/L	0.200		73.3	26.6-161			
Acrylonitrile	0.040	0.002	mg/L	0.0400		99.9	64.9-135			
Benzene	0.021	0.0005	mg/L	0.0200		105	69.4-129			
Bromobenzene	0.021	0.0005	mg/L	0.0200		106	83.5-115			
Bromochloromethane	0.021	0.0005	mg/L	0.0200		104	70.7-123			
Bromodichloromethane	0.018	0.0005	mg/L	0.0200		89.5	80.3-119			
Bromoform	0.019	0.0005	mg/L	0.0200		95.4	71.1-141			
Bromomethane	0.018	0.0005	mg/L	0.0200		88.8	55.1-143			
Carbon disulfide	0.046	0.001	mg/L	0.0400		116	53.6-147			
Carbon tetrachloride	0.017	0.0005	mg/L	0.0200		85.3	79.5-125			

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5033105 - Volatiles (Continued)										
LCS (5033105-BS1) (Continued)			Prepared & Analyzed: 03/31/25							
Chlorobenzene	0.019	0.0005	mg/L	0.0200		96.6	85.1-115			
Chloroethane	0.019	0.0005	mg/L	0.0200		95.2	36.9-159			
Chloroform	0.020	0.0005	mg/L	0.0200		98.1	80.9-119			
Chloromethane	0.018	0.0005	mg/L	0.0200		89.1	54.2-142			
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	73.8-128			
cis-1,3-Dichloropropene	0.021	0.0005	mg/L	0.0200		103	82.5-122			
Dibromochloromethane	0.019	0.0005	mg/L	0.0200		97.2	83.1-124			
Surrogate: Dibromofluoromethane	*0.0245*		mg/L	*0.0250*		*97.9*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		96.1	77-118			
Dichlorodifluoromethane	0.015	0.0005	mg/L	0.0200		73.8	38.7-147			
Ethylbenzene	0.022	0.0005	mg/L	0.0200		108	70.2-130			
Hexachlorobutadiene	0.020	0.0005	mg/L	0.0200		99.8	78.9-148			
Iodomethane	0.041	0.001	mg/L	0.0400		103	63.5-135			
Isopropylbenzene	0.019	0.0005	mg/L	0.0200		94.5	85-124			
m+p - Xylene	0.043	0.001	mg/L	0.0400		107	71.9-133			
Methyl tert-butyl ether	0.041	0.001	mg/L	0.0400		102	57.7-137			
Methylene chloride	0.016	0.0005	mg/L	0.0200		78.2	49.3-163			
Naphthalene	0.022	0.0005	mg/L	0.0200		108	62.1-141			
n-Butylbenzene	0.023	0.0005	mg/L	0.0200		114	75.4-132			
n-Propylbenzene	0.023	0.0005	mg/L	0.0200		114	79.6-124			
o-Xylene	0.021	0.0005	mg/L	0.0200		107	69.4-132			
p-Isopropyltoluene	0.023	0.0005	mg/L	0.0200		113	79.8-131			
sec-Butylbenzene	0.024	0.0005	mg/L	0.0200		118	77.6-133			
Styrene	0.020	0.0005	mg/L	0.0200		98.2	71.7-128			
tert-Butylbenzene	0.022	0.0005	mg/L	0.0200		111	78.8-128			
Tetrachloroethene	0.019	0.0005	mg/L	0.0200		96.6	74.2-128			
Toluene	0.021	0.0005	mg/L	0.0200		103	68.1-127			
Surrogate: Toluene-d8	*0.0259*		mg/L	*0.0250*		*103*	*87.1-110*			
Total Xylenes	0.064	0.001	mg/L	0.0600		107	71.6-132			
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		94.1	65.2-133			
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		100	84-123			
trans-1,4-Dichloro-2-butene	0.046	0.010	mg/L	0.0400		116	9.3-235			
Trichloroethene	0.020	0.0005	mg/L	0.0200		97.6	79.3-114			
Trichlorofluoromethane	0.017	0.0005	mg/L	0.0200		85.7	28.6-162			
Vinyl acetate	0.023	0.0005	mg/L	0.0200		113	50.9-135			
Vinyl chloride	0.019	0.0005	mg/L	0.0200		94.9	61.6-133			
LCS Dup (5033105-BSD1)			Prepared & Analyzed: 03/31/25							
1,1,1,2-Tetrachloroethane	0.019	0.0005	mg/L	0.0200		93.2	82.4-120	5.02	6.88	

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5033105 - Volatiles (Continued)										
LCS Dup (5033105-BSD1) (Continued)			Prepared & Analyzed: 03/31/25							
1,1,1-Trichloroethane	0.018	0.0005	mg/L	0.0200		90.2	80.7-121	2.30	7.43	
1,1,2,2-Tetrachloroethane	0.026	0.0005	mg/L	0.0200		128	76.5-121	3.37	8.68	BS-3
1,1,2-Trichloroethane	0.021	0.0005	mg/L	0.0200		104	81.7-118	5.67	6.82	
1,1-Dichloroethane	0.018	0.0005	mg/L	0.0200		90.3	74.8-123	9.94	4.3	QR-04
1,1-Dichloroethene	0.016	0.0005	mg/L	0.0200		81.4	53.9-149	9.87	16.5	
1,1-Dichloropropene	0.019	0.0005	mg/L	0.0200		95.2	85.9-115	4.11	5.47	
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		97.0	76.1-134	5.40	43	
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		102	72.4-136	5.73	22.3	
1,2,4-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		99.4	67.4-138	7.41	8.94	
1,2-Dibromo-3-chloropropane	0.024	0.0005	mg/L	0.0200		121	71.7-124	17.7	15.1	QR-04
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		103	84.9-116	1.11	5.83	
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.6	82.5-119	7.54	8.72	
1,2-Dichloroethane	0.017	0.0005	mg/L	0.0200		84.0	72.5-123	3.20	8.94	
1,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		101	79.4-117	4.81	5.51	
1,3,5-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		99.7	69-137	6.31	16.5	
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		98.4	84.4-120	5.10	9	
1,3-Dichloropropane	0.021	0.0005	mg/L	0.0200		104	82.6-117	5.04	6.06	
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		97.5	81.7-118	5.39	7.71	
1,4-Dioxane	0.534	0.020	mg/L	0.400		133	-34.6-193	1.46	35.2	
1.2.3-trichloropropane	0.023	0.0005	mg/L	0.0200		114	44.7-168	0.658	49.2	
2,2-Dichloropropane	0.017	0.0005	mg/L	0.0200		86.0	62.9-136	10.1	9.62	QR-04
2-Butanone	0.049	0.002	mg/L	0.0400		122	24.1-159	16.3	14.2	QR-04
2-Chlorotoluene	0.020	0.0005	mg/L	0.0200		102	80.2-121	6.04	8.62	
2-Hexanone	0.058	0.001	mg/L	0.0400		145	56.3-139	3.09	7.28	BS-3
Surrogate: 4-Bromofluorobenzene	*0.0256*		mg/L	*0.0250*		*102*	*76.4-114*			
4-Chlorotoluene	0.020	0.0005	mg/L	0.0200		102	82.2-125	7.06	15.5	
4-Methyl-2-pentanone	0.056	0.001	mg/L	0.0400		139	60.7-139	6.15	7.57	
Acetone	0.056	0.010	mg/L	0.0400		139	39.1-168	15.1	30.5	
Acrolein	0.166	0.005	mg/L	0.200		82.8	26.6-161	12.2	22.4	
Acrylonitrile	0.045	0.002	mg/L	0.0400		114	64.9-135	12.9	7.62	QR-04
Benzene	0.020	0.0005	mg/L	0.0200		97.6	69.4-129	7.21	4.16	QR-04
Bromobenzene	0.020	0.0005	mg/L	0.0200		99.9	83.5-115	5.55	8.41	
Bromochloromethane	0.019	0.0005	mg/L	0.0200		94.9	70.7-123	8.86	5.16	QR-04
Bromodichloromethane	0.018	0.0005	mg/L	0.0200		89.5	80.3-119	0.0559	5.36	
Bromoform	0.018	0.0005	mg/L	0.0200		92.0	71.1-141	3.63	14.1	
Bromomethane	0.018	0.0005	mg/L	0.0200		88.0	55.1-143	0.849	21.5	
Carbon disulfide	0.043	0.001	mg/L	0.0400		108	53.6-147	6.56	20.3	
Carbon tetrachloride	0.016	0.0005	mg/L	0.0200		81.0	79.5-125	5.17	11.4	
Chlorobenzene	0.018	0.0005	mg/L	0.0200		90.8	85.1-115	6.19	5.18	QR-04

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5033105 - Volatiles (Continued)										
LCS Dup (5033105-BSD1) (Continued)			Prepared & Analyzed: 03/31/25							
Chloroethane	0.018	0.0005	mg/L	0.0200		91.2	36.9-159	4.34	24.1	
Chloroform	0.018	0.0005	mg/L	0.0200		88.3	80.9-119	10.6	5.15	QR-04
Chloromethane	0.019	0.0005	mg/L	0.0200		96.9	54.2-142	8.39	27	
cis-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		94.8	73.8-128	8.53	5.73	QR-04
cis-1,3-Dichloropropene	0.019	0.0005	mg/L	0.0200		97.4	82.5-122	5.93	6.09	
Dibromochloromethane	0.018	0.0005	mg/L	0.0200		92.4	83.1-124	5.11	7.24	
Surrogate: Dibromofluoromethane	*0.0246*		mg/L	*0.0250*		*98.5*	*82.4-141*			
Dibromomethane	0.020	0.0005	mg/L	0.0200		98.0	77-118	1.96	5.75	
Dichlorodifluoromethane	0.014	0.0005	mg/L	0.0200		72.0	38.7-147	2.40	22.6	
Ethylbenzene	0.020	0.0005	mg/L	0.0200		102	70.2-130	5.79	4.83	QR-04
Hexachlorobutadiene	0.019	0.0005	mg/L	0.0200		95.8	78.9-148	4.14	18.4	
Iodomethane	0.041	0.001	mg/L	0.0400		103	63.5-135	0.0486	24.3	
Isopropylbenzene	0.017	0.0005	mg/L	0.0200		87.4	85-124	7.81	6.25	QR-04
m+p - Xylene	0.040	0.001	mg/L	0.0400		101	71.9-133	5.99	5.77	QR-04
Methyl tert-butyl ether	0.044	0.001	mg/L	0.0400		111	57.7-137	7.94	12.8	
Methylene chloride	0.016	0.0005	mg/L	0.0200		82.1	49.3-163	4.93	19.7	
Naphthalene	0.022	0.0005	mg/L	0.0200		112	62.1-141	3.00	33.5	
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	75.4-132	8.99	10.1	
n-Propylbenzene	0.021	0.0005	mg/L	0.0200		106	79.6-124	7.56	9.09	
o-Xylene	0.020	0.0005	mg/L	0.0200		98.0	69.4-132	8.41	6.29	QR-04
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		107	79.8-131	5.99	9.26	
sec-Butylbenzene	0.022	0.0005	mg/L	0.0200		110	77.6-133	6.50	9.85	
Styrene	0.018	0.0005	mg/L	0.0200		91.2	71.7-128	7.40	7.55	
tert-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	78.8-128	4.81	18.6	
Tetrachloroethene	0.018	0.0005	mg/L	0.0200		89.7	74.2-128	7.36	6.38	QR-04
Toluene	0.019	0.0005	mg/L	0.0200		95.4	68.1-127	7.46	5.67	QR-04
Surrogate: Toluene-d8	*0.0254*		mg/L	*0.0250*		*102*	*87.1-110*			
Total Xylenes	0.060	0.001	mg/L	0.0600		100	71.6-132	6.79	5.83	QR-04
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		95.6	65.2-133	1.58	19.1	
trans-1,3-Dichloropropene	0.019	0.0005	mg/L	0.0200		97.0	84-123	3.35	6.26	
trans-1,4-Dichloro-2-butene	0.026	0.010	mg/L	0.0400		63.8	9.3-235	57.9	92.8	
Trichloroethene	0.019	0.0005	mg/L	0.0200		92.6	79.3-114	5.26	4.92	QR-04
Trichlorofluoromethane	0.017	0.0005	mg/L	0.0200		82.6	28.6-162	3.68	19.8	
Vinyl acetate	0.023	0.0005	mg/L	0.0200		114	50.9-135	0.264	7.84	
Vinyl chloride	0.017	0.0005	mg/L	0.0200		86.6	61.6-133	9.09	23	

Green Analytical Laboratories

Jeremy D. Allen

Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: GCU Com H #180	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	01/30/26 14:19

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

GAL Green Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client:	Cottonwood Consulting LLC
Address:	PO Box 1653
City:	Durango **State:** CO **Zip:** 81302
Phone #:	970-764-7356
Contact Person:	Kyle Siesser
Email Report to:	ksiesser@cottonwoodconsulting.com
Project Name(optional):	GCU Com H #180
Sampler Name (Print):	Kelsey O'Brien / Joseph LaFortune

Bill to (if different):

P.O. #:

Rush? Y ☐ N ☐ TAT Needed?

ANALYSIS REQUEST

Lab I.D. 2503-244 Lab Use Only	Sample Name or Location	Collected Date	Collected Time	GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	EPA Method 8260 (VOCs)									
01	1) MW #102	3/25/2025	1215	✓									4				✓									
	2)																									
	3)																									
	4)																									
	5)																									
	6)																									
	7)																									
	8)																									
	9)																									
	10)																									

(Matrix (check one); # of containers)

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date/Time	Received By:	Date/Time	
[signature]	Date: 3/26/25 Time: 1445	[signature]	Date: 3.26.25 Time: 14:45	ADDITIONAL REMARKS:
	Date: Time:		Date: Time:	
	Date: Time:		Date: Time:	Temperature at receipt: 5.1/4.2 °C; Checked by: [initials]; On Ice? (Y) N; Therm. used: [illegible]

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com
* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Page 1 of 1

Analytical Laboratories

Date/Initials of person examining contents: 3-26-26 CM

Labeled by initials: _____
(if different than above)

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood **Work Order #** 2503-244

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑Yes ☐ No

Type of Ice: ☑Wet ☐ Blue ☐ None **Cooler Temp:** Observed Temp: 5.1 °C Correction Factor: -.9 °C Final Temp: 4.2 °C

*Temp should be above freezing 6°C

Compliance: ☐ Yes ☑ No

Chain of Custody Filled Out:	☑Yes ☐No	1.
COC Signed when Relinquished and Received:	☑Yes ☐No	2.
Sampler Name and Signature on COC: *Required for compliance	☑Yes ☐No	3.
Samples arrived within hold time:	☑Yes ☐No	4.
Correct Containers Used & Intact:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	☐Yes ☐No ☑N/A	9.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	10.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	11.
Matrix:	☑W SL OT	
Trip Blank Present:	☐Yes ☐No ☑N/A	12. 1 VOA w/ 76mm bubble.
Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A	
VOA's meet headspace requirement (<6mm bubbles)	☑Yes ☐No ☐N/A	
Non-Conformance(s):	☐Yes ☑No	13.

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 4

Page 1 of 1

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

30 June 2025

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: Mudge B #012R

Enclosed are the results of analyses for samples received by the laboratory on 06/17/25 16:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Report Station For Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

Table of Contents

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #2	2506232-01	Water	06/17/25 15:45	06/17/25 16:50	

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

MW #2

2506232-01 (Ground Water)
Sampled Date: 06/17/25 15:45
Sampled By: Dylan Songer & Kelsey O'Brien

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
1,2,4-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	06/24/25 18:41	8260B		SK
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	06/24/25 18:41	8260B		SK
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	06/24/25 18:41	8260B		SK
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	06/24/25 18:41	8260B		SK
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
1,4-Dioxane	<0.020	0.020	0.020	mg/L	1	06/24/25 18:41	8260B		SK
1.2.3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
2-Butanone*	<0.002	0.002	0.002	mg/L	1	06/24/25 18:41	8260B		SK
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	06/24/25 18:41	8260B		SK
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
Acetone*	<0.010	0.010	0.0009	mg/L	1	06/24/25 18:41	8260B		SK

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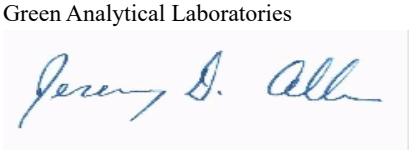


Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

MW #2

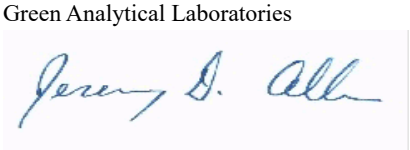
2506232-01 (Ground Water)
Sampled Date: 06/17/25 15:45
Sampled By: Dylan Songer & Kelsey O'Brien

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Acrolein*	<0.005	0.005	0.001	mg/L	1	06/24/25 18:41	8260B		SK
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	06/24/25 18:41	8260B		SK
Benzene*	**0.003**	0.0005	0.00005	mg/L	1	06/24/25 18:41	8260B		SK
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	06/24/25 18:41	8260B		SK
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Carbon disulfide*	<0.001	0.001	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	06/24/25 18:41	8260B		SK
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	06/24/25 18:41	8260B		SK
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	06/24/25 18:41	8260B		SK
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Ethylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	06/24/25 18:41	8260B		SK
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Iodomethane	<0.001	0.001	0.00006	mg/L	1	06/24/25 18:41	8260B		SK
Isopropylbenzene*	<0.0005	0.0005	0.00002	mg/L	1	06/24/25 18:41	8260B		SK
m+p - Xylene*	<0.001	0.001	0.00008	mg/L	1	06/24/25 18:41	8260B		SK
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	06/24/25 18:41	8260B		SK
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	06/24/25 18:41	8260B		SK
n-Propylbenzene*	<0.0005	0.0005	0.00005	mg/L	1	06/24/25 18:41	8260B		SK
o-Xylene*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
p-Isopropyltoluene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK

Green Analytical Laboratories



Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

MW #2

2506232-01 (Ground Water)
Sampled Date: 06/17/25 15:45
Sampled By: Dylan Songer & Kelsey O'Brien

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	06/24/25 18:41	8260B		SK
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	06/24/25 18:41	8260B		SK
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	06/24/25 18:41	8260B		SK
Toluene*	<0.0005	0.0005	0.00008	mg/L	1	06/24/25 18:41	8260B		SK
Total Xylenes*	<0.001	0.001	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	06/24/25 18:41	8260B		SK
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	06/24/25 18:41	8260B		SK
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	06/24/25 18:41	8260B		SK
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	06/24/25 18:41	8260B		SK
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	06/24/25 18:41	8260B		SK
Surrogate: 4-Bromofluorobenzene			*94.9 %*	*76.4-114*		*06/24/25 18:41*	*8260B*		SK
Surrogate: Dibromofluoromethane			*98.5 %*	*82.4-141*		*06/24/25 18:41*	*8260B*		SK
Surrogate: Toluene-d8			*96.5 %*	*87.1-110*		*06/24/25 18:41*	*8260B*		SK

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Jeremy D. Allen

Report Station For Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5062409 - Volatiles										
Blank (5062409-BLK1)			Prepared & Analyzed: 06/24/25							
1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4-Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.020	mg/L							
1.2.3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
Surrogate: 4-Bromofluorobenzene	*0.0488*		mg/L	*0.0500*		*97.6*	*76.4-114*			
4-Chlorotoluene	ND	0.0005	mg/L							
4-Methyl-2-pentanone	ND	0.001	mg/L							
Acetone	ND	0.010	mg/L							
Acrolein	ND	0.005	mg/L							
Acrylonitrile	ND	0.002	mg/L							
Benzene	ND	0.0005	mg/L							
Bromobenzene	ND	0.0005	mg/L							
Bromochloromethane	ND	0.0005	mg/L							
Bromodichloromethane	ND	0.0005	mg/L							
Bromoform	ND	0.0005	mg/L							

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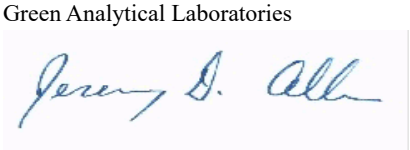

Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5062409 - Volatiles (Continued)										
Blank (5062409-BLK1) (Continued)			Prepared & Analyzed: 06/24/25							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	ND	0.001	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
Chlorobenzene	ND	0.0005	mg/L							
Chloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Chloromethane	ND	0.0005	mg/L							
cis-1,2-Dichloroethene	ND	0.0005	mg/L							
cis-1,3-Dichloropropene	ND	0.0005	mg/L							
Dibromochloromethane	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0521*		mg/L	*0.0500*		*104*	*82.4-141*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl tert-butyl ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	*0.0485*		mg/L	*0.0500*		*97.0*	*87.1-110*			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

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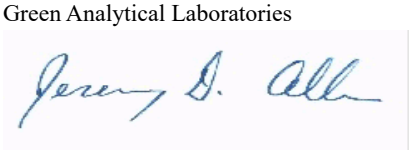

Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5062409 - Volatiles (Continued)										
LCS (5062409-BS1)			Prepared & Analyzed: 06/24/25							
1,1,1,2-Tetrachloroethane	0.019	0.0005	mg/L	0.0200		92.6	82.4-120			
1,1,1-Trichloroethane	0.018	0.0005	mg/L	0.0200		89.1	80.7-121			
1,1,2,2-Tetrachloroethane	0.016	0.0005	mg/L	0.0200		79.4	76.5-121			
1,1,2-Trichloroethane	0.019	0.0005	mg/L	0.0200		92.6	81.7-118			
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		99.4	74.8-123			
1,1-Dichloroethene	0.019	0.0005	mg/L	0.0200		94.8	53.9-149			
1,1-Dichloropropene	0.017	0.0005	mg/L	0.0200		84.6	85.9-115			BS-3
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		96.6	76.1-134			
1,2,4-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		95.4	72.4-136			
1,2,4-Trimethylbenzene	0.016	0.0005	mg/L	0.0200		79.8	67.4-138			
1,2-Dibromo-3-chloropropane	0.013	0.0005	mg/L	0.0200		67.0	71.7-124			BS-3
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		106	84.9-116			
1,2-Dichlorobenzene	0.018	0.0005	mg/L	0.0200		89.6	82.5-119			
1,2-Dichloroethane	0.019	0.0005	mg/L	0.0200		93.6	72.5-123			
1,2-Dichloropropane	0.017	0.0005	mg/L	0.0200		84.6	79.4-117			
1,3,5-Trimethylbenzene	0.017	0.0005	mg/L	0.0200		86.0	69-137			
1,3-Dichlorobenzene	0.018	0.0005	mg/L	0.0200		87.6	84.4-120			
1,3-Dichloropropane	0.019	0.0005	mg/L	0.0200		94.0	82.6-117			
1,4-Dichlorobenzene	0.017	0.0005	mg/L	0.0200		86.3	81.7-118			
1,4-Dioxane	0.533	0.020	mg/L	0.400		133	-34.6-193			
1.2.3-trichloropropane	0.017	0.0005	mg/L	0.0200		87.2	44.7-168			
2,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.2	62.9-136			
2-Butanone	0.039	0.002	mg/L	0.0400		97.4	24.1-159			
2-Chlorotoluene	0.017	0.0005	mg/L	0.0200		86.6	80.2-121			
2-Hexanone	0.029	0.001	mg/L	0.0400		71.4	56.3-139			
Surrogate: 4-Bromofluorobenzene	*0.0501*		mg/L	*0.0500*		*100*	*76.4-114*			
4-Chlorotoluene	0.017	0.0005	mg/L	0.0200		86.9	82.2-125			
4-Methyl-2-pentanone	0.032	0.001	mg/L	0.0400		79.3	60.7-139			
Acetone	0.052	0.010	mg/L	0.0400		131	39.1-168			
Acrolein	0.159	0.005	mg/L	0.200		79.3	26.6-161			
Acrylonitrile	0.045	0.002	mg/L	0.0400		114	64.9-135			
Benzene	0.017	0.0005	mg/L	0.0200		85.6	69.4-129			
Bromobenzene	0.018	0.0005	mg/L	0.0200		87.6	83.5-115			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		102	70.7-123			
Bromodichloromethane	0.017	0.0005	mg/L	0.0200		86.1	80.3-119			
Bromoform	0.016	0.0005	mg/L	0.0200		79.4	71.1-141			
Bromomethane	0.018	0.0005	mg/L	0.0200		89.5	55.1-143			
Carbon disulfide	0.036	0.001	mg/L	0.0400		90.0	53.6-147			
Carbon tetrachloride	0.019	0.0005	mg/L	0.0200		93.8	79.5-125			

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5062409 - Volatiles (Continued)										
LCS (5062409-BS1) (Continued)			Prepared & Analyzed: 06/24/25							
Chlorobenzene	0.017	0.0005	mg/L	0.0200		87.0	85.1-115			
Chloroethane	0.017	0.0005	mg/L	0.0200		87.1	36.9-159			
Chloroform	0.020	0.0005	mg/L	0.0200		100	80.9-119			
Chloromethane	0.017	0.0005	mg/L	0.0200		85.9	54.2-142			
cis-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		95.8	73.8-128			
cis-1,3-Dichloropropene	0.017	0.0005	mg/L	0.0200		85.1	82.5-122			
Dibromochloromethane	0.019	0.0005	mg/L	0.0200		94.0	83.1-124			
Surrogate: Dibromofluoromethane	*0.0510*		mg/L	*0.0500*		*102*	*82.4-141*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		97.0	77-118			
Dichlorodifluoromethane	0.017	0.0005	mg/L	0.0200		84.2	38.7-147			
Ethylbenzene	0.016	0.0005	mg/L	0.0200		78.6	70.2-130			
Hexachlorobutadiene	0.018	0.0005	mg/L	0.0200		91.2	78.9-148			
Iodomethane	0.038	0.001	mg/L	0.0400		93.8	63.5-135			
Isopropylbenzene	0.017	0.0005	mg/L	0.0200		84.2	85-124			BS-3
m+p - Xylene	0.036	0.001	mg/L	0.0400		90.7	71.9-133			
Methyl tert-butyl ether	0.039	0.001	mg/L	0.0400		97.5	57.7-137			
Methylene chloride	0.018	0.0005	mg/L	0.0200		91.6	49.3-163			
Naphthalene	0.017	0.0005	mg/L	0.0200		84.8	62.1-141			
n-Butylbenzene	0.016	0.0005	mg/L	0.0200		79.4	75.4-132			
n-Propylbenzene	0.017	0.0005	mg/L	0.0200		82.8	79.6-124			
o-Xylene	0.018	0.0005	mg/L	0.0200		87.6	69.4-132			
p-Isopropyltoluene	0.016	0.0005	mg/L	0.0200		81.8	79.8-131			
sec-Butylbenzene	0.015	0.0005	mg/L	0.0200		76.2	77.6-133			BS-3
Styrene	0.017	0.0005	mg/L	0.0200		84.3	71.7-128			
tert-Butylbenzene	0.016	0.0005	mg/L	0.0200		79.8	78.8-128			
Tetrachloroethene	0.018	0.0005	mg/L	0.0200		92.4	74.2-128			
Toluene	0.018	0.0005	mg/L	0.0200		89.6	68.1-127			
Surrogate: Toluene-d8	*0.0506*		mg/L	*0.0500*		*101*	*87.1-110*			
Total Xylenes	0.054	0.001	mg/L	0.0600		89.6	71.6-132			
trans-1,2-Dichloroethene	0.018	0.0005	mg/L	0.0200		89.6	65.2-133			
trans-1,3-Dichloropropene	0.017	0.0005	mg/L	0.0200		84.9	84-123			
trans-1,4-Dichloro-2-butene	0.023	0.010	mg/L	0.0400		57.0	9.3-235			
Trichloroethene	0.019	0.0005	mg/L	0.0200		92.9	79.3-114			
Trichlorofluoromethane	0.016	0.0005	mg/L	0.0200		79.7	28.6-162			
Vinyl acetate	0.018	0.0005	mg/L	0.0200		89.1	50.9-135			
Vinyl chloride	0.016	0.0005	mg/L	0.0200		81.4	61.6-133			
LCS Dup (5062409-BSD1)			Prepared & Analyzed: 06/24/25							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		104	82.4-120	12.1	6.88	QR-02

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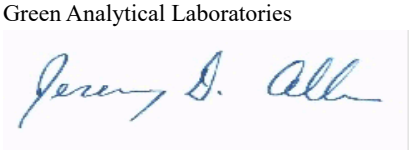

Report Station For Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5062409 - Volatiles (Continued)										
LCS Dup (5062409-BSD1) (Continued)			Prepared & Analyzed: 06/24/25							
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		98.6	80.7-121	10.1	7.43	QR-02
1,1,2,2-Tetrachloroethane	0.015	0.0005	mg/L	0.0200		77.0	76.5-121	3.07	8.68	
1,1,2-Trichloroethane	0.019	0.0005	mg/L	0.0200		95.6	81.7-118	3.08	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		101	74.8-123	1.50	4.3	
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		100	53.9-149	5.24	16.5	
1,1-Dichloropropene	0.019	0.0005	mg/L	0.0200		93.1	85.9-115	9.51	5.47	QR-02
1,2,3-Trichlorobenzene	0.018	0.0005	mg/L	0.0200		91.5	76.1-134	5.42	43	
1,2,4-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		97.1	72.4-136	1.82	22.3	
1,2,4-Trimethylbenzene	0.017	0.0005	mg/L	0.0200		84.4	67.4-138	5.48	8.94	
1,2-Dibromo-3-chloropropane	0.015	0.0005	mg/L	0.0200		72.8	71.7-124	8.15	15.1	
1,2-Dibromoethane	0.021	0.0005	mg/L	0.0200		104	84.9-116	1.94	5.83	
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		98.2	82.5-119	9.15	8.72	QR-02
1,2-Dichloroethane	0.020	0.0005	mg/L	0.0200		97.8	72.5-123	4.49	8.94	
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		94.3	79.4-117	10.8	5.51	QR-02
1,3,5-Trimethylbenzene	0.018	0.0005	mg/L	0.0200		91.9	69-137	6.69	16.5	
1,3-Dichlorobenzene	0.018	0.0005	mg/L	0.0200		91.2	84.4-120	4.08	9	
1,3-Dichloropropane	0.019	0.0005	mg/L	0.0200		95.3	82.6-117	1.37	6.06	
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		93.6	81.7-118	8.17	7.71	QR-02
1,4-Dioxane	0.378	0.020	mg/L	0.400		94.5	-34.6-193	34.0	35.2	
1.2.3-trichloropropane	0.018	0.0005	mg/L	0.0200		88.3	44.7-168	1.25	49.2	
2,2-Dichloropropane	0.020	0.0005	mg/L	0.0200		102	62.9-136	6.61	9.62	
2-Butanone	0.038	0.002	mg/L	0.0400		95.3	24.1-159	2.13	14.2	
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		92.7	80.2-121	6.86	8.62	
2-Hexanone	0.028	0.001	mg/L	0.0400		71.2	56.3-139	0.245	7.28	
Surrogate: 4-Bromofluorobenzene	*0.0526*		mg/L	*0.0500*		*105*	*76.4-114*			
4-Chlorotoluene	0.018	0.0005	mg/L	0.0200		90.4	82.2-125	4.00	15.5	
4-Methyl-2-pentanone	0.031	0.001	mg/L	0.0400		78.5	60.7-139	0.982	7.57	
Acetone	0.044	0.010	mg/L	0.0400		111	39.1-168	16.3	30.5	
Acrolein	0.136	0.005	mg/L	0.200		67.8	26.6-161	15.6	22.4	
Acrylonitrile	0.045	0.002	mg/L	0.0400		113	64.9-135	0.507	7.62	
Benzene	0.018	0.0005	mg/L	0.0200		90.0	69.4-129	5.07	4.16	QR-02
Bromobenzene	0.019	0.0005	mg/L	0.0200		97.2	83.5-115	10.4	8.41	QR-02
Bromochloromethane	0.022	0.0005	mg/L	0.0200		112	70.7-123	8.64	5.16	QR-02
Bromodichloromethane	0.019	0.0005	mg/L	0.0200		96.4	80.3-119	11.2	5.36	QR-02
Bromoform	0.019	0.0005	mg/L	0.0200		92.8	71.1-141	15.4	14.1	QR-02
Bromomethane	0.019	0.0005	mg/L	0.0200		97.0	55.1-143	7.99	21.5	
Carbon disulfide	0.039	0.001	mg/L	0.0400		97.0	53.6-147	7.46	20.3	
Carbon tetrachloride	0.020	0.0005	mg/L	0.0200		101	79.5-125	7.69	11.4	
Chlorobenzene	0.019	0.0005	mg/L	0.0200		94.5	85.1-115	8.26	5.18	QR-02

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Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5062409 - Volatiles (Continued)										
LCS Dup (5062409-BSD1) (Continued)			Prepared & Analyzed: 06/24/25							
Chloroethane	0.019	0.0005	mg/L	0.0200		95.8	36.9-159	9.52	24.1	
Chloroform	0.020	0.0005	mg/L	0.0200		101	80.9-119	1.24	5.15	
Chloromethane	0.019	0.0005	mg/L	0.0200		93.6	54.2-142	8.58	27	
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		104	73.8-128	7.77	5.73	QR-02
cis-1,3-Dichloropropene	0.018	0.0005	mg/L	0.0200		92.3	82.5-122	8.12	6.09	QR-02
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		98.0	83.1-124	4.06	7.24	
Surrogate: Dibromofluoromethane	*0.0525*		mg/L	*0.0500*		*105*	*82.4-141*			
Dibromomethane	0.020	0.0005	mg/L	0.0200		102	77-118	4.68	5.75	
Dichlorodifluoromethane	0.018	0.0005	mg/L	0.0200		88.0	38.7-147	4.53	22.6	
Ethylbenzene	0.018	0.0005	mg/L	0.0200		90.4	70.2-130	14.0	4.83	QR-02
Hexachlorobutadiene	0.017	0.0005	mg/L	0.0200		87.4	78.9-148	4.25	18.4	
Iodomethane	0.039	0.001	mg/L	0.0400		97.3	63.5-135	3.61	24.3	
Isopropylbenzene	0.018	0.0005	mg/L	0.0200		90.4	85-124	7.16	6.25	QR-02
m+p - Xylene	0.040	0.001	mg/L	0.0400		98.8	71.9-133	8.60	5.77	QR-02
Methyl tert-butyl ether	0.041	0.001	mg/L	0.0400		102	57.7-137	4.09	12.8	
Methylene chloride	0.020	0.0005	mg/L	0.0200		97.6	49.3-163	6.24	19.7	
Naphthalene	0.017	0.0005	mg/L	0.0200		82.7	62.1-141	2.51	33.5	
n-Butylbenzene	0.017	0.0005	mg/L	0.0200		85.2	75.4-132	6.93	10.1	
n-Propylbenzene	0.018	0.0005	mg/L	0.0200		88.4	79.6-124	6.55	9.09	
o-Xylene	0.019	0.0005	mg/L	0.0200		94.8	69.4-132	7.95	6.29	QR-02
p-Isopropyltoluene	0.018	0.0005	mg/L	0.0200		88.9	79.8-131	8.32	9.26	
sec-Butylbenzene	0.016	0.0005	mg/L	0.0200		81.4	77.6-133	6.47	9.85	
Styrene	0.019	0.0005	mg/L	0.0200		97.2	71.7-128	14.3	7.55	QR-02
tert-Butylbenzene	0.018	0.0005	mg/L	0.0200		88.0	78.8-128	9.65	18.6	
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		104	74.2-128	12.1	6.38	QR-02
Toluene	0.018	0.0005	mg/L	0.0200		90.7	68.1-127	1.22	5.67	
Surrogate: Toluene-d8	*0.0505*		mg/L	*0.0500*		*101*	*87.1-110*			
Total Xylenes	0.058	0.001	mg/L	0.0600		97.5	71.6-132	8.39	5.83	QR-02
trans-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	65.2-133	14.2	19.1	
trans-1,3-Dichloropropene	0.019	0.0005	mg/L	0.0200		95.5	84-123	11.8	6.26	QR-02
trans-1,4-Dichloro-2-butene	0.019	0.010	mg/L	0.0400		46.7	9.3-235	19.9	92.8	
Trichloroethene	0.020	0.0005	mg/L	0.0200		100	79.3-114	7.31	4.92	QR-02
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		88.7	28.6-162	10.7	19.8	
Vinyl acetate	0.017	0.0005	mg/L	0.0200		86.4	50.9-135	3.13	7.84	
Vinyl chloride	0.017	0.0005	mg/L	0.0200		87.4	61.6-133	7.11	23	

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

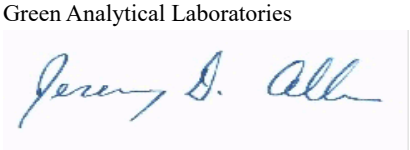
Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories



Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	06/30/25 17:31

Qualifier Summary

LabNumber	Analysis	Analyte	Qualifier	TextBody
5062409-BS1	Volatile 8260	1,1-Dichloropropene	BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
5062409-BS1	Volatile 8260	1,2-Dibromo-3-chloropropane	BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
5062409-BS1	Volatile 8260	Isopropylbenzene	BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
5062409-BS1	Volatile 8260	sec-Butylbenzene	BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
5062409-BSD1	Volatile 8260	1,1,1,2-Tetrachloroethane	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	1,1,1-Trichloroethane	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	1,1-Dichloropropene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	1,2-Dichlorobenzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	1,2-Dichloropropane	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	1,4-Dichlorobenzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Benzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Bromobenzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Bromochloromethane	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Bromodichloromethane	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project:	VOC 8260
PO Box 1653	Project Name / Number:	Mudge B #012R
Durango CO, 81302	Project Manager:	Kyle Siesser
		Reported: 06/30/25 17:31

5062409-BSD1	Volatile 8260	Bromoform	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Chlorobenzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	cis-1,2-Dichloroethene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	cis-1,3-Dichloropropene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Ethylbenzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Isopropylbenzene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	m+p - Xylene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	o-Xylene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Styrene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Tetrachloroethene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Total Xylenes	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	trans-1,3-Dichloropropene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
5062409-BSD1	Volatile 8260	Trichloroethene	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Green Analytical Laboratories

Report Station For Jeremy D Allen, Laboratory Director

GREEN Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client:	Cottonwood Consulting LLC
Address:	PO Box 1653
City:	Durango **State:** CO **Zip:** 81302
Phone #:	970-764-7356
Contact Person:	Kyle Siesser
Email Report to:	ksiesser@cottonwoodconsulting.com
Project Name(optional):	Mudge B #012R
Sampler Name (Print):	Kelsey O'Brien / Dylan Songer

Bill to (if different):

P.O. #:

Rush? Y ☐ N ☐ TAT Needed?

ANALYSIS REQUEST

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	EPA Method (8260)
2506-232 01	1) MW #2	6/17/25	1545	✓									4				✓
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6/17/25 Time: 1650	**Received By:**	Date: 6.17.25 Time: 16:50	ADDITIONAL REMARKS:
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 20.1/20.3 °C; Checked by: CRW; On Ice? (Y) N; Therm. used: Logs #5

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

GAL Analytical

Date/Initials of person examining contents: 6.18.25 LDW

Labeled by initials: _____
(if different than above)

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood

Work Order # 2506-232

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑ Yes ☐ No

Type of Ice: ☑ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 20.1 °C Correction Factor: +.2 °C Final Temp: 20.3 °C

*Temp should be above freezing 6°C

Compliance: ☐ Yes ☑ No

Chain of Custody Filled Out:	☑Yes ☐No	1.
COC Signed when Relinquished and Received:	☑Yes ☐No	2.
Sampler Name and Signature on COC: *Required for compliance	☑Yes ☐No	3.
Samples arrived within hold time:	☑Yes ☐No	4.
Correct Containers Used & Intact:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	☐Yes ☐No ☑N/A	9.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	10.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	11.
Matrix:	WT SL OT	
Trip Blank Present:	☐Yes ☐No ☑N/A	12.
Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A	
VOA's meet headspace requirement (<6mm bubbles)	☑Yes ☐No ☐N/A	
Non-Conformance(s):	☐Yes ☑No	13.

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 4

Page 1 of 1

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

24 September 2025

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: Mudge B #012 R

Enclosed are the results of analyses for samples received by the laboratory on 09/16/25 16:20. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Reporting Station For Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

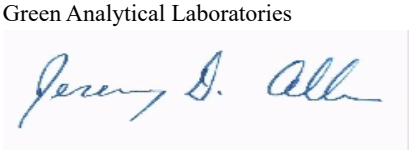
Table of Contents

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #2	2509207-01	Water	09/16/25 15:10	09/16/25 16:20	

Green Analytical Laboratories



Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

MW #2

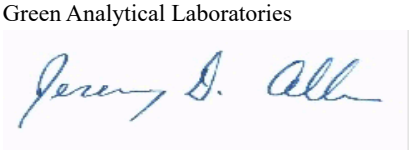
2509207-01 (Ground Water)
Sampled Date: 09/16/25 15:10
Sampled By: Kelsey O'Brien/Robert Cochran

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
1,2,4-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	09/19/25 13:32	8260B		SK
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/19/25 13:32	8260B		SK
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	09/19/25 13:32	8260B		SK
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	09/19/25 13:32	8260B		SK
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
1,4-Dioxane	<0.020	0.020	0.020	mg/L	1	09/19/25 13:32	8260B		SK
1.2.3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
2-Butanone*	<0.002	0.002	0.002	mg/L	1	09/19/25 13:32	8260B		SK
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	09/19/25 13:32	8260B		SK
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
Acetone*	<0.010	0.010	0.0009	mg/L	1	09/19/25 13:32	8260B		SK

Green Analytical Laboratories



Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

MW #2

2509207-01 (Ground Water)
Sampled Date: 09/16/25 15:10
Sampled By: Kelsey O'Brien/Robert Cochran

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
Acrolein*	<0.005	0.005	0.001	mg/L	1	09/19/25 13:32	8260B		SK
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	09/19/25 13:32	8260B		SK
Benzene*	**0.002**	0.0005	0.00005	mg/L	1	09/19/25 13:32	8260B		SK
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	09/19/25 13:32	8260B		SK
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Carbon disulfide*	<0.001	0.001	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	09/19/25 13:32	8260B		SK
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	09/19/25 13:32	8260B		SK
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	09/19/25 13:32	8260B		SK
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Ethylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	09/19/25 13:32	8260B		SK
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Iodomethane	<0.001	0.001	0.00006	mg/L	1	09/19/25 13:32	8260B		SK
Isopropylbenzene*	<0.0005	0.0005	0.00002	mg/L	1	09/19/25 13:32	8260B		SK
m+p - Xylene*	<0.001	0.001	0.00008	mg/L	1	09/19/25 13:32	8260B		SK
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Naphthalene*	<0.0005	0.0005	0.00008	mg/L	1	09/19/25 13:32	8260B		SK
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/19/25 13:32	8260B		SK
n-Propylbenzene*	<0.0005	0.0005	0.00005	mg/L	1	09/19/25 13:32	8260B		SK
o-Xylene*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
p-Isopropyltoluene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK

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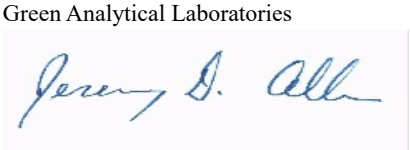

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

MW #2

2509207-01 (Ground Water)
Sampled Date: 09/16/25 15:10
Sampled By: Kelsey O'Brien/Robert Cochran

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	09/19/25 13:32	8260B		SK
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	09/19/25 13:32	8260B		SK
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	09/19/25 13:32	8260B		SK
Toluene*	<0.0005	0.0005	0.00008	mg/L	1	09/19/25 13:32	8260B		SK
Total Xylenes*	<0.001	0.001	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	09/19/25 13:32	8260B		SK
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	09/19/25 13:32	8260B		SK
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	09/19/25 13:32	8260B		SK
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	09/19/25 13:32	8260B		SK
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	09/19/25 13:32	8260B		SK
Surrogate: 4-Bromofluorobenzene			*95.3 %*	*79.1-111*		*09/19/25 13:32*	*8260B*		SK
Surrogate: Dibromofluoromethane			*105 %*	*82.4-125*		*09/19/25 13:32*	*8260B*		SK
Surrogate: Toluene-d8			*96.5 %*	*82.5-115*		*09/19/25 13:32*	*8260B*		SK

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Jeremy D. Allen

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5091911 - Volatiles										
Blank (5091911-BLK1)			Prepared & Analyzed: 09/19/25							
1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4-Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.020	mg/L							
1.2.3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
Surrogate: 4-Bromofluorobenzene	*0.0239*		mg/L	*0.0250*		*95.5*	*79.1-111*			
4-Chlorotoluene	ND	0.0005	mg/L							
4-Methyl-2-pentanone	ND	0.001	mg/L							
Acetone	ND	0.010	mg/L							
Acrolein	ND	0.005	mg/L							
Acrylonitrile	ND	0.002	mg/L							
Benzene	ND	0.0005	mg/L							
Bromobenzene	ND	0.0005	mg/L							
Bromochloromethane	ND	0.0005	mg/L							
Bromodichloromethane	ND	0.0005	mg/L							
Bromoform	ND	0.0005	mg/L							

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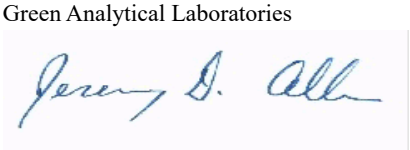

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5091911 - Volatiles (Continued)										
Blank (5091911-BLK1) (Continued)			Prepared & Analyzed: 09/19/25							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	ND	0.001	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
Chlorobenzene	ND	0.0005	mg/L							
Chloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Chloromethane	ND	0.0005	mg/L							
cis-1,2-Dichloroethene	ND	0.0005	mg/L							
cis-1,3-Dichloropropene	ND	0.0005	mg/L							
Dibromochloromethane	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0250*		mg/L	*0.0250*		*100*	*82.4-125*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl tert-butyl ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	*0.0241*		mg/L	*0.0250*		*96.3*	*82.5-115*			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

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Reporting Station For Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5091911 - Volatiles (Continued)										
LCS (5091911-BS1)			Prepared & Analyzed: 09/19/25							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		106	83.1-120			
1,1,1-Trichloroethane	0.024	0.0005	mg/L	0.0200		118	50.3-160			
1,1,2,2-Tetrachloroethane	0.014	0.0005	mg/L	0.0200		72.0	48-136			
1,1,2-Trichloroethane	0.015	0.0005	mg/L	0.0200		76.8	73.8-123			
1,1-Dichloroethane	0.018	0.0005	mg/L	0.0200		88.0	72.8-131			
1,1-Dichloroethene	0.021	0.0005	mg/L	0.0200		103	77.6-137			
1,1-Dichloropropene	0.018	0.0005	mg/L	0.0200		91.2	54.5-156			
1,2,3-Trichlorobenzene	0.022	0.0005	mg/L	0.0200		111	66.2-149			
1,2,4-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		102	63.3-150			
1,2,4-Trimethylbenzene	0.022	0.0005	mg/L	0.0200		111	79.1-124			
1,2-Dibromo-3-chloropropane	0.018	0.0005	mg/L	0.0200		88.0	34.9-149			
1,2-Dibromoethane	0.019	0.0005	mg/L	0.0200		95.2	78.5-122			
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		98.3	84.3-120			
1,2-Dichloroethane	0.021	0.0005	mg/L	0.0200		107	70.4-125			
1,2-Dichloropropane	0.016	0.0005	mg/L	0.0200		78.2	73.3-122			
1,3,5-Trimethylbenzene	0.023	0.0005	mg/L	0.0200		113	77.3-127			
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		101	84.5-124			
1,3-Dichloropropane	0.017	0.0005	mg/L	0.0200		82.7	76-124			
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		97.0	83.2-121			
1,4-Dioxane	0.296	0.020	mg/L	0.400		73.9	26-195			
1.2.3-trichloropropane	0.015	0.0005	mg/L	0.0200		73.4	56.5-127			
2,2-Dichloropropane	0.030	0.0005	mg/L	0.0200		150	69.4-132			BS-3
2-Butanone	0.030	0.002	mg/L	0.0400		76.0	40.9-157			
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		96.0	76.4-123			
2-Hexanone	0.026	0.001	mg/L	0.0400		64.0	15.4-157			
Surrogate: 4-Bromofluorobenzene	*0.0267*		mg/L	*0.0250*		*107*	*79.1-111*			
4-Chlorotoluene	0.020	0.0005	mg/L	0.0200		99.6	78.7-126			
4-Methyl-2-pentanone	0.027	0.001	mg/L	0.0400		68.0	31.4-146			
Acetone	0.032	0.010	mg/L	0.0400		79.3	49.7-187			
Acrolein	0.160	0.005	mg/L	0.200		80.1	4.88-190			
Acrylonitrile	0.040	0.002	mg/L	0.0400		99.0	52.6-154			
Benzene	0.018	0.0005	mg/L	0.0200		89.8	82.4-116			
Bromobenzene	0.019	0.0005	mg/L	0.0200		97.0	81.5-121			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		98.7	67.4-139			
Bromodichloromethane	0.019	0.0005	mg/L	0.0200		95.7	76.5-119			
Bromoform	0.020	0.0005	mg/L	0.0200		99.1	64.6-130			
Bromomethane	0.019	0.0005	mg/L	0.0200		95.6	63.3-139			
Carbon disulfide	0.036	0.001	mg/L	0.0400		90.6	66.8-157			
Carbon tetrachloride	0.030	0.0005	mg/L	0.0200		152	73.9-135			BS-3

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Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5091911 - Volatiles (Continued)										
LCS (5091911-BS1) (Continued)			Prepared & Analyzed: 09/19/25							
Chlorobenzene	0.019	0.0005	mg/L	0.0200		96.1	83.5-117			
Chloroethane	0.018	0.0005	mg/L	0.0200		88.2	67.1-139			
Chloroform	0.019	0.0005	mg/L	0.0200		93.9	72.8-130			
Chloromethane	0.016	0.0005	mg/L	0.0200		79.6	45.8-153			
cis-1,2-Dichloroethene	0.017	0.0005	mg/L	0.0200		85.5	75.7-128			
cis-1,3-Dichloropropene	0.017	0.0005	mg/L	0.0200		87.4	71.6-125			
Dibromochloromethane	0.022	0.0005	mg/L	0.0200		109	78.8-123			
Surrogate: Dibromofluoromethane	*0.0252*		mg/L	*0.0250*		*101*	*82.4-125*			
Dibromomethane	0.018	0.0005	mg/L	0.0200		87.8	77.8-119			
Dichlorodifluoromethane	0.024	0.0005	mg/L	0.0200		122	46.1-158			
Ethylbenzene	0.020	0.0005	mg/L	0.0200		102	77.9-123			
Hexachlorobutadiene	0.023	0.0005	mg/L	0.0200		117	55.5-185			
Iodomethane	0.039	0.001	mg/L	0.0400		96.4	74-137			
Isopropylbenzene	0.019	0.0005	mg/L	0.0200		97.2	77.6-125			
m+p - Xylene	0.039	0.001	mg/L	0.0400		97.6	76.6-128			
Methyl tert-butyl ether	0.038	0.001	mg/L	0.0400		96.2	73.6-131			
Methylene chloride	0.019	0.0005	mg/L	0.0200		94.0	75.1-138			
Naphthalene	0.018	0.0005	mg/L	0.0200		89.5	55.4-142			
n-Butylbenzene	0.021	0.0005	mg/L	0.0200		106	72.8-143			
n-Propylbenzene	0.019	0.0005	mg/L	0.0200		97.0	79.8-127			
o-Xylene	0.018	0.0005	mg/L	0.0200		91.8	72.3-124			
p-Isopropyltoluene	0.021	0.0005	mg/L	0.0200		107	72-135			
sec-Butylbenzene	0.020	0.0005	mg/L	0.0200		102	78.6-130			
Styrene	0.019	0.0005	mg/L	0.0200		94.2	78.9-119			
tert-Butylbenzene	0.023	0.0005	mg/L	0.0200		115	79.8-126			
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		104	76.9-130			
Toluene	0.018	0.0005	mg/L	0.0200		92.4	76.3-120			
Surrogate: Toluene-d8	*0.0243*		mg/L	*0.0250*		*97.3*	*82.5-115*			
Total Xylenes	0.057	0.001	mg/L	0.0600		95.7	75.9-126			
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		95.2	78.3-134			
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		102	74.4-126			
trans-1,4-Dichloro-2-butene	0.062	0.010	mg/L	0.0400		156	7.48-201			
Trichloroethene	0.018	0.0005	mg/L	0.0200		89.7	77.5-118			
Trichlorofluoromethane	0.025	0.0005	mg/L	0.0200		127	63.7-149			
Vinyl acetate	0.049	0.0005	mg/L	0.0200		244	19.3-171			BS-3
Vinyl chloride	0.019	0.0005	mg/L	0.0200		93.8	64.9-141			
LCS Dup (5091911-BSD1)			Prepared & Analyzed: 09/19/25							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		104	83.1-120	1.62	6.88	

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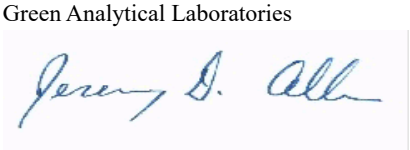


Reporting Station For Jeremy D Allen, Laboratory Director

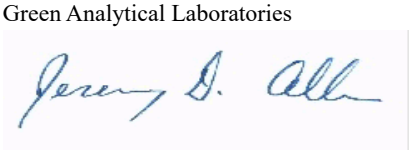
Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5091911 - Volatiles (Continued)										
LCS Dup (5091911-BSD1) (Continued)			Prepared & Analyzed: 09/19/25							
1,1,1-Trichloroethane	0.023	0.0005	mg/L	0.0200		117	50.3-160	1.40	7.43	
1,1,2,2-Tetrachloroethane	0.015	0.0005	mg/L	0.0200		76.6	48-136	6.06	8.68	
1,1,2-Trichloroethane	0.017	0.0005	mg/L	0.0200		84.2	73.8-123	9.13	6.82	QR-02
1,1-Dichloroethane	0.018	0.0005	mg/L	0.0200		88.9	72.8-131	1.02	4.3	
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		101	77.6-137	1.27	16.5	
1,1-Dichloropropene	0.019	0.0005	mg/L	0.0200		97.2	54.5-156	6.48	5.47	QR-02
1,2,3-Trichlorobenzene	0.023	0.0005	mg/L	0.0200		115	66.2-149	3.93	43	
1,2,4-Trichlorobenzene	0.021	0.0005	mg/L	0.0200		103	63.3-150	0.730	22.3	
1,2,4-Trimethylbenzene	0.023	0.0005	mg/L	0.0200		116	79.1-124	4.44	8.94	
1,2-Dibromo-3-chloropropane	0.019	0.0005	mg/L	0.0200		94.8	34.9-149	7.44	15.1	
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		101	78.5-122	5.86	5.83	QR-02
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		102	84.3-120	3.55	8.72	
1,2-Dichloroethane	0.022	0.0005	mg/L	0.0200		110	70.4-125	2.78	8.94	
1,2-Dichloropropane	0.016	0.0005	mg/L	0.0200		80.4	73.3-122	2.84	5.51	
1,3,5-Trimethylbenzene	0.023	0.0005	mg/L	0.0200		117	77.3-127	3.45	16.5	
1,3-Dichlorobenzene	0.022	0.0005	mg/L	0.0200		109	84.5-124	7.85	9	
1,3-Dichloropropane	0.017	0.0005	mg/L	0.0200		83.2	76-124	0.603	6.06	
1,4-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		102	83.2-121	5.32	7.71	
1,4-Dioxane	0.317	0.020	mg/L	0.400		79.2	26-195	6.94	35.2	
1.2.3-trichloropropane	0.015	0.0005	mg/L	0.0200		75.6	56.5-127	3.09	49.2	
2,2-Dichloropropane	0.029	0.0005	mg/L	0.0200		146	69.4-132	2.69	9.62	BS-3
2-Butanone	0.020	0.002	mg/L	0.0400		49.9	40.9-157	41.5	14.2	QR-02
2-Chlorotoluene	0.020	0.0005	mg/L	0.0200		102	76.4-123	5.96	8.62	
2-Hexanone	0.026	0.001	mg/L	0.0400		65.3	15.4-157	1.97	7.28	
Surrogate: 4-Bromofluorobenzene	*0.0260*		mg/L	*0.0250*		*104*	*79.1-111*			
4-Chlorotoluene	0.021	0.0005	mg/L	0.0200		105	78.7-126	5.19	15.5	
4-Methyl-2-pentanone	0.031	0.001	mg/L	0.0400		76.5	31.4-146	11.8	7.57	QR-02
Acetone	0.034	0.010	mg/L	0.0400		84.0	49.7-187	5.76	30.5	
Acrolein	0.165	0.005	mg/L	0.200		82.4	4.88-190	2.75	22.4	
Acrylonitrile	0.040	0.002	mg/L	0.0400		101	52.6-154	1.93	7.62	
Benzene	0.018	0.0005	mg/L	0.0200		90.8	82.4-116	1.05	4.16	
Bromobenzene	0.020	0.0005	mg/L	0.0200		102	81.5-121	4.88	8.41	
Bromochloromethane	0.020	0.0005	mg/L	0.0200		98.1	67.4-139	0.661	5.16	
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		100	76.5-119	4.44	5.36	
Bromoform	0.021	0.0005	mg/L	0.0200		104	64.6-130	4.49	14.1	
Bromomethane	0.019	0.0005	mg/L	0.0200		97.3	63.3-139	1.81	21.5	
Carbon disulfide	0.037	0.001	mg/L	0.0400		92.4	66.8-157	2.00	20.3	
Carbon tetrachloride	0.028	0.0005	mg/L	0.0200		139	73.9-135	9.02	11.4	BS-3
Chlorobenzene	0.019	0.0005	mg/L	0.0200		97.0	83.5-117	0.932	5.18	

Green Analytical Laboratories



Reporting Station For Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5091911 - Volatiles (Continued)										
LCS Dup (5091911-BSD1) (Continued)			Prepared & Analyzed: 09/19/25							
Chloroethane	0.017	0.0005	mg/L	0.0200		86.0	67.1-139	2.53	24.1	
Chloroform	0.019	0.0005	mg/L	0.0200		94.9	72.8-130	1.06	5.15	
Chloromethane	0.016	0.0005	mg/L	0.0200		81.5	45.8-153	2.42	27	
cis-1,2-Dichloroethene	0.018	0.0005	mg/L	0.0200		90.0	75.7-128	5.13	5.73	
cis-1,3-Dichloropropene	0.017	0.0005	mg/L	0.0200		86.4	71.6-125	1.21	6.09	
Dibromochloromethane	0.023	0.0005	mg/L	0.0200		116	78.8-123	6.22	7.24	
Surrogate: Dibromofluoromethane	*0.0262*		mg/L	*0.0250*		*105*	*82.4-125*			
Dibromomethane	0.018	0.0005	mg/L	0.0200		91.8	77.8-119	4.40	5.75	
Dichlorodifluoromethane	0.024	0.0005	mg/L	0.0200		121	46.1-158	1.07	22.6	
Ethylbenzene	0.021	0.0005	mg/L	0.0200		104	77.9-123	1.90	4.83	
Hexachlorobutadiene	0.026	0.0005	mg/L	0.0200		128	55.5-185	9.25	18.4	
Iodomethane	0.039	0.001	mg/L	0.0400		97.7	74-137	1.37	24.3	
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		101	77.6-125	3.69	6.25	
m+p - Xylene	0.040	0.001	mg/L	0.0400		99.8	76.6-128	2.20	5.77	
Methyl tert-butyl ether	0.040	0.001	mg/L	0.0400		99.8	73.6-131	3.62	12.8	
Methylene chloride	0.018	0.0005	mg/L	0.0200		91.7	75.1-138	2.42	19.7	
Naphthalene	0.019	0.0005	mg/L	0.0200		93.6	55.4-142	4.43	33.5	
n-Butylbenzene	0.022	0.0005	mg/L	0.0200		108	72.8-143	1.87	10.1	
n-Propylbenzene	0.020	0.0005	mg/L	0.0200		99.3	79.8-127	2.29	9.09	
o-Xylene	0.019	0.0005	mg/L	0.0200		93.4	72.3-124	1.73	6.29	
p-Isopropyltoluene	0.022	0.0005	mg/L	0.0200		110	72-135	3.14	9.26	
sec-Butylbenzene	0.021	0.0005	mg/L	0.0200		104	78.6-130	2.52	9.85	
Styrene	0.019	0.0005	mg/L	0.0200		96.2	78.9-119	2.15	7.55	
tert-Butylbenzene	0.023	0.0005	mg/L	0.0200		116	79.8-126	1.13	18.6	
Tetrachloroethene	0.023	0.0005	mg/L	0.0200		113	76.9-130	8.24	6.38	QR-02
Toluene	0.019	0.0005	mg/L	0.0200		95.8	76.3-120	3.67	5.67	
Surrogate: Toluene-d8	*0.0246*		mg/L	*0.0250*		*98.3*	*82.5-115*			
Total Xylenes	0.059	0.001	mg/L	0.0600		97.6	75.9-126	2.05	5.83	
trans-1,2-Dichloroethene	0.019	0.0005	mg/L	0.0200		97.0	78.3-134	1.82	19.1	
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		100	74.4-126	1.58	6.26	
trans-1,4-Dichloro-2-butene	0.059	0.010	mg/L	0.0400		147	7.48-201	6.21	92.8	
Trichloroethene	0.018	0.0005	mg/L	0.0200		92.2	77.5-118	2.69	4.92	
Trichlorofluoromethane	0.026	0.0005	mg/L	0.0200		128	63.7-149	0.353	19.8	
Vinyl acetate	0.047	0.0005	mg/L	0.0200		234	19.3-171	3.95	7.84	BS-3
Vinyl chloride	0.019	0.0005	mg/L	0.0200		92.7	64.9-141	1.13	23	

Green Analytical Laboratories

Jeremy D. Allen

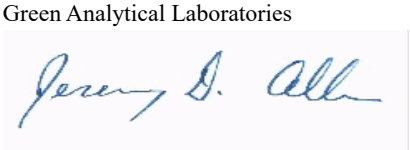
Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012 R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	09/24/25 09:09

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories



Reporting Station For Jeremy D Allen, Laboratory Director

GAL Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: Cottonwood Consulting LLC
Address: PO Box 1653
City: Durango **State:** CO **Zip:** 81302
Phone #: 970-764-7356
Contact Person: Kyle Siesser
Email Report to: ksiesser@cottonwoodconsulting.com
Project Name(optional): Mudge B #012 R
Sampler Name (Print): Kelsey O'Brien / Robert Cochran

Bill to (if different):
P.O. #:
Rush? Y ☐ N ☐ TAT Needed?

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	ANALYSIS REQUEST: EPA Method 8260B (VOCs)
01	1) MW #2	9/16/25	1510	✓									4				✓
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
	9/16/25	1620		9/16/25	16:20
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

ADDITIONAL REMARKS:

Temperature at receipt:	Checked by:	On Ice?	Therm. used:
19.8 °C		Y N	

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com
* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Table of Contents

Analytical Laboratories

Date/Initials of person examining contents: 9.10.25 CJW

Labeled by initials: _____
(if different than above)

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting Work Order # 2509-207

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑ Yes ☐ No

Type of Ice: ☑ Wet ☐ Blue ☐ None Cooler Temp: Observed Temp: 19.8 °C Correction Factor: 0 °C Final Temp: 19.8 °C

*Temp should be above freezing 6°C

Compliance: ☐ Yes ☑ No

Chain of Custody Filled Out:	☑Yes ☐No	1.
COC Signed when Relinquished and Received:	☑Yes ☐No	2.
Sampler Name and Signature on COC: *Required for compliance	☑Yes ☐No	3.
Samples arrived within hold time: (Excluding pH)	☑Yes ☐No	4.
Correct Containers Used & Intact:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr): (Excluding pH)	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	☐Yes ☐No ☑N/A	9.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	10.
Sample Labels match COC: -Includes Date/Time/ID	☑Yes ☐No	11.
Matrix:	WT SL OT	
Trip Blank Present:	☐Yes ☐No ☑N/A	12.
Trip Blank Custody Seals Present:	☐Yes ☐No ☑N/A	
VOA's meet headspace requirement (<6mm bubbles)	☐Yes ☐No ☑N/A	
Non-Conformance(s):	☐Yes ☑No	13.

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 5

Page 1 of 1

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

26 December 2025

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: Mudge B #012R

Enclosed are the results of analyses for samples received by the laboratory on 12/10/25 15:50. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Reporting Station For Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C25-00079

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

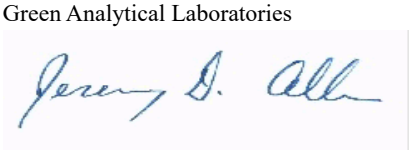
Table of Contents

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW #2	2512138-01	Water	12/10/25 10:00	12/10/25 15:50	

Green Analytical Laboratories



Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

MW #2

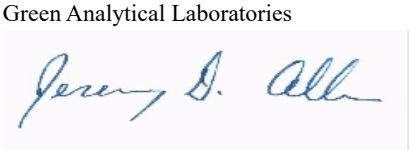
2512138-01 (Ground Water)
Sampled Date: 12/10/25 10:00
Sampled By: Kelsey O'Brien/Robert Cochran

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

VOLATILES BY GC/MS

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
1,1,1,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
1,1,1-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
1,1,2,2-Tetrachloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
1,1,2-Trichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
1,1-Dichloroethane*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
1,1-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
1,1-Dichloropropene*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
1,2,3-Trichlorobenzene*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
1,2,4-Trichlorobenzene*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
1,2,4-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/19/25 23:42	8260B		SK
1,2-Dibromo-3-chloropropane*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
1,2-Dibromoethane*	<0.0005	0.0005	0.00009	mg/L	1	12/18/25 19:47	8260B		SK
1,2-Dichlorobenzene*	<0.0005	0.0005	0.00007	mg/L	1	12/18/25 19:47	8260B		SK
1,2-Dichloroethane*	<0.0005	0.0005	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
1,2-Dichloropropane*	<0.0005	0.0005	0.00008	mg/L	1	12/18/25 19:47	8260B		SK
1,3,5-Trimethylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/19/25 23:42	8260B		SK
1,3-Dichlorobenzene*	<0.0005	0.0005	0.00005	mg/L	1	12/18/25 19:47	8260B		SK
1,3-Dichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
1,4-Dichlorobenzene	<0.0005	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK
1,4-Dioxane	<0.020	0.020	0.020	mg/L	1	12/18/25 19:47	8260B		SK
1.2.3-trichloropropane*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
2,2-Dichloropropane*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
2-Butanone*	<0.002	0.002	0.002	mg/L	1	12/18/25 19:47	8260B		SK
2-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK
2-Hexanone*	<0.001	0.001	0.0003	mg/L	1	12/18/25 19:47	8260B		SK
4-Chlorotoluene*	<0.0005	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK
4-Methyl-2-pentanone*	<0.001	0.001	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
Acetone*	<0.010	0.010	0.0009	mg/L	1	12/18/25 19:47	8260B		SK

Green Analytical Laboratories



Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

MW #2

2512138-01 (Ground Water)
Sampled Date: 12/10/25 10:00
Sampled By: Kelsey O'Brien/Robert Cochran

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
Acrolein*	<0.005	0.005	0.001	mg/L	1	12/18/25 19:47	8260B		SK
Acrylonitrile*	<0.002	0.002	0.0008	mg/L	1	12/18/25 19:47	8260B		SK
Benzene*	**0.003**	0.0005	0.00005	mg/L	1	12/19/25 23:42	8260B		SK
Bromobenzene*	<0.0005	0.0005	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
Bromochloromethane*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
Bromodichloromethane*	<0.0005	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK
Bromoform*	<0.0005	0.0005	0.00009	mg/L	1	12/18/25 19:47	8260B		SK
Bromomethane*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Carbon disulfide*	**0.007**	0.001	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
Carbon tetrachloride*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
Chlorobenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK
Chloroethane*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Chloroform*	<0.0005	0.0005	0.00002	mg/L	1	12/18/25 19:47	8260B		SK
Chloromethane*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
cis-1,2-Dichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
cis-1,3-Dichloropropene*	<0.0005	0.0005	0.00009	mg/L	1	12/18/25 19:47	8260B		SK
Dibromochloromethane*	<0.0005	0.0005	0.00008	mg/L	1	12/18/25 19:47	8260B		SK
Dibromomethane*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
Dichlorodifluoromethane*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Ethylbenzene*	<0.0005	0.0005	0.00003	mg/L	1	12/19/25 23:42	8260B		SK
Hexachlorobutadiene*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Iodomethane	<0.001	0.001	0.00006	mg/L	1	12/18/25 19:47	8260B		SK
Isopropylbenzene*	**0.0006**	0.0005	0.00002	mg/L	1	12/18/25 19:47	8260B		SK
m+p - Xylene*	<0.001	0.001	0.00008	mg/L	1	12/19/25 23:42	8260B		SK
Methyl tert-butyl ether	<0.001	0.001	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
Methylene chloride*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Naphthalene*	**0.003**	0.0005	0.00008	mg/L	1	12/18/25 19:47	8260B		SK
n-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	12/18/25 19:47	8260B		SK
n-Propylbenzene*	**0.0005**	0.0005	0.00005	mg/L	1	12/18/25 19:47	8260B		SK
o-Xylene*	<0.0005	0.0005	0.0001	mg/L	1	12/19/25 23:42	8260B		SK
p-Isopropyltoluene*	**0.0007**	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK

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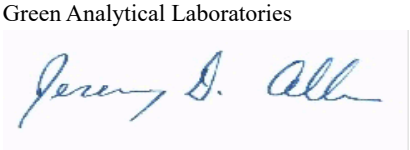

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

MW #2

2512138-01 (Ground Water)
Sampled Date: 12/10/25 10:00
Sampled By: Kelsey O'Brien/Robert Cochran

Subcontracted -- **Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
VOLATILES BY GC/MS									
sec-Butylbenzene*	<0.0005	0.0005	0.00004	mg/L	1	12/18/25 19:47	8260B		SK
Styrene*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
tert-Butylbenzene*	<0.0005	0.0005	0.00007	mg/L	1	12/18/25 19:47	8260B		SK
Tetrachloroethene*	<0.0005	0.0005	0.00009	mg/L	1	12/18/25 19:47	8260B		SK
Toluene*	<0.0005	0.0005	0.00008	mg/L	1	12/19/25 23:42	8260B		SK
Total Xylenes*	<0.001	0.001	0.0002	mg/L	1	12/19/25 23:42	8260B		SK
trans-1,2-Dichloroethene*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
trans-1,3-Dichloropropene*	<0.0005	0.0005	0.00005	mg/L	1	12/18/25 19:47	8260B		SK
trans-1,4-Dichloro-2-butene	<0.010	0.010	0.0003	mg/L	1	12/18/25 19:47	8260B		SK
Trichloroethene*	<0.0005	0.0005	0.0002	mg/L	1	12/18/25 19:47	8260B		SK
Trichlorofluoromethane*	<0.0005	0.0005	0.0001	mg/L	1	12/18/25 19:47	8260B		SK
Vinyl acetate*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Vinyl chloride*	<0.0005	0.0005	0.0005	mg/L	1	12/18/25 19:47	8260B		SK
Surrogate: 4-Bromofluorobenzene			*97.0 %*	*79.1-111*		*12/18/25 19:47*	*8260B*		SK
Surrogate: Dibromofluoromethane			*106 %*	*82.4-125*		*12/18/25 19:47*	*8260B*		SK
Surrogate: Toluene-d8			*107 %*	*82.5-115*		*12/18/25 19:47*	*8260B*		SK

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Jeremy D. Allen

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121702 - Volatiles										
Blank (5121702-BLK1)				Prepared: 12/17/25 Analyzed: 12/18/25						
1,1,1,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,1-Trichloroethane	ND	0.0005	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethane	ND	0.0005	mg/L							
1,1-Dichloroethene	ND	0.0005	mg/L							
1,1-Dichloropropene	ND	0.0005	mg/L							
1,2,3-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trichlorobenzene	ND	0.0005	mg/L							
1,2,4-Trimethylbenzene	ND	0.0005	mg/L							
1,2-Dibromo-3-chloropropane	ND	0.0005	mg/L							
1,2-Dibromoethane	ND	0.0005	mg/L							
1,2-Dichlorobenzene	ND	0.0005	mg/L							
1,2-Dichloroethane	ND	0.0005	mg/L							
1,2-Dichloropropane	ND	0.0005	mg/L							
1,3,5-Trimethylbenzene	ND	0.0005	mg/L							
1,3-Dichlorobenzene	ND	0.0005	mg/L							
1,3-Dichloropropane	ND	0.0005	mg/L							
1,4-Dichlorobenzene	ND	0.0005	mg/L							
1,4-Dioxane	ND	0.020	mg/L							
1.2.3-trichloropropane	ND	0.0005	mg/L							
2,2-Dichloropropane	ND	0.0005	mg/L							
2-Butanone	ND	0.002	mg/L							
2-Chlorotoluene	ND	0.0005	mg/L							
2-Hexanone	ND	0.001	mg/L							
Surrogate: 4-Bromofluorobenzene	*0.0453*		mg/L	*0.0500*		*90.6*	*79.1-111*			
4-Chlorotoluene	ND	0.0005	mg/L							
4-Methyl-2-pentanone	ND	0.001	mg/L							
Acetone	ND	0.010	mg/L							
Acrolein	ND	0.005	mg/L							
Acrylonitrile	ND	0.002	mg/L							
Benzene	ND	0.0005	mg/L							
Bromobenzene	ND	0.0005	mg/L							
Bromochloromethane	ND	0.0005	mg/L							
Bromodichloromethane	ND	0.0005	mg/L							
Bromoform	ND	0.0005	mg/L							

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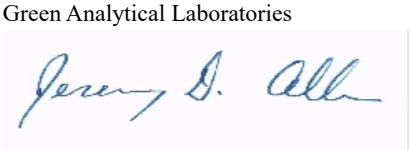

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting
PO Box 1653
Durango CO, 81302

Project: VOC 8260
Project Name / Number: Mudge B #012R
Project Manager: Kyle Siesser

Reported:
12/26/25 10:21

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121702 - Volatiles (Continued)										
Blank (5121702-BLK1) (Continued)			Prepared: 12/17/25 Analyzed: 12/18/25							
Bromomethane	ND	0.0005	mg/L							
Carbon disulfide	ND	0.001	mg/L							
Carbon tetrachloride	ND	0.0005	mg/L							
Chlorobenzene	ND	0.0005	mg/L							
Chloroethane	ND	0.0005	mg/L							
Chloroform	ND	0.0005	mg/L							
Chloromethane	ND	0.0005	mg/L							
cis-1,2-Dichloroethene	ND	0.0005	mg/L							
cis-1,3-Dichloropropene	ND	0.0005	mg/L							
Dibromochloromethane	ND	0.0005	mg/L							
Surrogate: Dibromofluoromethane	*0.0527*		mg/L	*0.0500*		*105*	*82.4-125*			
Dibromomethane	ND	0.0005	mg/L							
Dichlorodifluoromethane	ND	0.0005	mg/L							
Ethylbenzene	ND	0.0005	mg/L							
Hexachlorobutadiene	ND	0.0005	mg/L							
Iodomethane	ND	0.001	mg/L							
Isopropylbenzene	ND	0.0005	mg/L							
m+p - Xylene	ND	0.001	mg/L							
Methyl tert-butyl ether	ND	0.001	mg/L							
Methylene chloride	ND	0.0005	mg/L							
Naphthalene	ND	0.0005	mg/L							
n-Butylbenzene	ND	0.0005	mg/L							
n-Propylbenzene	ND	0.0005	mg/L							
o-Xylene	ND	0.0005	mg/L							
p-Isopropyltoluene	ND	0.0005	mg/L							
sec-Butylbenzene	ND	0.0005	mg/L							
Styrene	ND	0.0005	mg/L							
tert-Butylbenzene	ND	0.0005	mg/L							
Tetrachloroethene	ND	0.0005	mg/L							
Toluene	ND	0.0005	mg/L							
Surrogate: Toluene-d8	*0.0543*		mg/L	*0.0500*		*109*	*82.5-115*			
Total Xylenes	ND	0.001	mg/L							
trans-1,2-Dichloroethene	ND	0.0005	mg/L							
trans-1,3-Dichloropropene	ND	0.0005	mg/L							
trans-1,4-Dichloro-2-butene	ND	0.010	mg/L							
Trichloroethene	ND	0.0005	mg/L							
Trichlorofluoromethane	ND	0.0005	mg/L							
Vinyl acetate	ND	0.0005	mg/L							
Vinyl chloride	ND	0.0005	mg/L							

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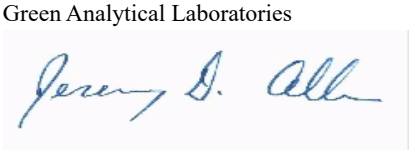

Reporting Station For Jeremy D Allen, Laboratory Director

Green Analytical Laboratories

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

VOLATILES BY GC/MS - Quality Control
(Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121702 - Volatiles (Continued)										
LCS (5121702-BS1)			Prepared: 12/17/25 Analyzed: 12/18/25							
1,1,1,2-Tetrachloroethane	0.022	0.0005	mg/L	0.0200		108	83.1-120			
1,1,1-Trichloroethane	0.021	0.0005	mg/L	0.0200		103	50.3-160			
1,1,2,2-Tetrachloroethane	0.019	0.0005	mg/L	0.0200		93.0	48-136			
1,1,2-Trichloroethane	0.021	0.0005	mg/L	0.0200		104	73.8-123			
1,1-Dichloroethane	0.021	0.0005	mg/L	0.0200		105	72.8-131			
1,1-Dichloroethene	0.020	0.0005	mg/L	0.0200		102	77.6-137			
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		101	54.5-156			
1,2,3-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		95.5	66.2-149			
1,2,4-Trichlorobenzene	0.018	0.0005	mg/L	0.0200		89.8	63.3-150			
1,2,4-Trimethylbenzene	0.018	0.0005	mg/L	0.0200		90.8	79.1-124			
1,2-Dibromo-3-chloropropane	0.020	0.0005	mg/L	0.0200		98.7	34.9-149			
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		100	78.5-122			
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		100	84.3-120			
1,2-Dichloroethane	0.017	0.0005	mg/L	0.0200		87.4	70.4-125			
1,2-Dichloropropane	0.019	0.0005	mg/L	0.0200		94.8	73.3-122			
1,3,5-Trimethylbenzene	0.020	0.0005	mg/L	0.0200		99.0	77.3-127			
1,3-Dichlorobenzene	0.021	0.0005	mg/L	0.0200		103	84.5-124			
1,3-Dichloropropane	0.020	0.0005	mg/L	0.0200		97.6	76-124			
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		95.4	83.2-121			
1,4-Dioxane	0.386	0.020	mg/L	0.400		96.6	26-195			
1.2.3-trichloropropane	0.019	0.0005	mg/L	0.0200		96.7	56.5-127			
2,2-Dichloropropane	0.022	0.0005	mg/L	0.0200		111	69.4-132			
2-Butanone	0.037	0.002	mg/L	0.0400		91.3	40.9-157			
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		95.8	76.4-123			
2-Hexanone	0.032	0.001	mg/L	0.0400		80.6	15.4-157			
Surrogate: 4-Bromofluorobenzene	*0.0515*		mg/L	*0.0500*		*103*	*79.1-111*			
4-Chlorotoluene	0.018	0.0005	mg/L	0.0200		91.8	78.7-126			
4-Methyl-2-pentanone	0.034	0.001	mg/L	0.0400		84.8	31.4-146			
Acetone	0.038	0.010	mg/L	0.0400		95.5	49.7-187			
Acrolein	0.538	0.005	mg/L	0.200		269	4.88-190			BS1
Acrylonitrile	0.040	0.002	mg/L	0.0400		99.2	52.6-154			
Benzene	0.019	0.0005	mg/L	0.0200		94.0	82.4-116			
Bromobenzene	0.020	0.0005	mg/L	0.0200		101	81.5-121			
Bromochloromethane	0.020	0.0005	mg/L	0.0200		101	67.4-139			
Bromodichloromethane	0.020	0.0005	mg/L	0.0200		98.9	76.5-119			
Bromoform	0.020	0.0005	mg/L	0.0200		101	64.6-130			
Bromomethane	0.020	0.0005	mg/L	0.0200		97.6	63.3-139			
Carbon disulfide	0.038	0.001	mg/L	0.0400		96.1	66.8-157			
Carbon tetrachloride	0.023	0.0005	mg/L	0.0200		113	73.9-135			

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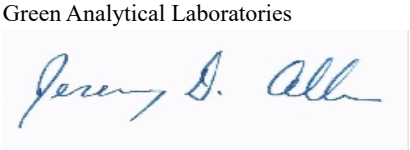

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121702 - Volatiles (Continued)										
LCS (5121702-BS1) (Continued)			Prepared: 12/17/25 Analyzed: 12/18/25							
Chlorobenzene	0.020	0.0005	mg/L	0.0200		101	83.5-117			
Chloroethane	0.019	0.0005	mg/L	0.0200		92.8	67.1-139			
Chloroform	0.021	0.0005	mg/L	0.0200		103	72.8-130			
Chloromethane	0.019	0.0005	mg/L	0.0200		93.0	45.8-153			
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		107	75.7-128			
cis-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		101	71.6-125			
Dibromochloromethane	0.021	0.0005	mg/L	0.0200		104	78.8-123			
Surrogate: Dibromofluoromethane	*0.0497*		mg/L	*0.0500*		*99.3*	*82.4-125*			
Dibromomethane	0.020	0.0005	mg/L	0.0200		98.5	77.8-119			
Dichlorodifluoromethane	0.017	0.0005	mg/L	0.0200		87.4	46.1-158			
Ethylbenzene	0.020	0.0005	mg/L	0.0200		101	77.9-123			
Hexachlorobutadiene	0.018	0.0005	mg/L	0.0200		92.1	55.5-185			
Iodomethane	0.043	0.001	mg/L	0.0400		107	74-137			
Isopropylbenzene	0.020	0.0005	mg/L	0.0200		97.6	77.6-125			
m+p - Xylene	0.040	0.001	mg/L	0.0400		98.8	76.6-128			
Methyl tert-butyl ether	0.042	0.001	mg/L	0.0400		104	73.6-131			
Methylene chloride	0.021	0.0005	mg/L	0.0200		105	75.1-138			
Naphthalene	0.017	0.0005	mg/L	0.0200		86.0	55.4-142			
n-Butylbenzene	0.018	0.0005	mg/L	0.0200		89.2	72.8-143			
n-Propylbenzene	0.019	0.0005	mg/L	0.0200		93.7	79.8-127			
o-Xylene	0.018	0.0005	mg/L	0.0200		91.4	72.3-124			
p-Isopropyltoluene	0.019	0.0005	mg/L	0.0200		94.5	72-135			
sec-Butylbenzene	0.019	0.0005	mg/L	0.0200		94.8	78.6-130			
Styrene	0.020	0.0005	mg/L	0.0200		101	78.9-119			
tert-Butylbenzene	0.019	0.0005	mg/L	0.0200		96.6	79.8-126			
Tetrachloroethene	0.022	0.0005	mg/L	0.0200		108	76.9-130			
Toluene	0.020	0.0005	mg/L	0.0200		102	76.3-120			
Surrogate: Toluene-d8	*0.0530*		mg/L	*0.0500*		*106*	*82.5-115*			
Total Xylenes	0.058	0.001	mg/L	0.0600		96.4	75.9-126			
trans-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		105	78.3-134			
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		99.2	74.4-126			
trans-1,4-Dichloro-2-butene	0.035	0.010	mg/L	0.0400		86.8	7.48-201			
Trichloroethene	0.020	0.0005	mg/L	0.0200		99.4	77.5-118			
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		90.3	63.7-149			
Vinyl acetate	0.019	0.0005	mg/L	0.0200		97.2	19.3-171			
Vinyl chloride	0.019	0.0005	mg/L	0.0200		93.0	64.9-141			
LCS Dup (5121702-BSD1)			Prepared: 12/17/25 Analyzed: 12/18/25							
1,1,1,2-Tetrachloroethane	0.021	0.0005	mg/L	0.0200		105	83.1-120	2.54	6.88	

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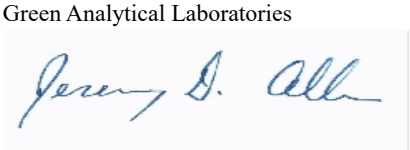

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121702 - Volatiles (Continued)										
LCS Dup (5121702-BSD1) (Continued)			Prepared: 12/17/25 Analyzed: 12/18/25							
1,1,1-Trichloroethane	0.020	0.0005	mg/L	0.0200		101	50.3-160	2.55	7.43	
1,1,2,2-Tetrachloroethane	0.018	0.0005	mg/L	0.0200		91.8	48-136	1.30	8.68	
1,1,2-Trichloroethane	0.021	0.0005	mg/L	0.0200		103	73.8-123	0.434	6.82	
1,1-Dichloroethane	0.020	0.0005	mg/L	0.0200		102	72.8-131	3.25	4.3	
1,1-Dichloroethene	0.019	0.0005	mg/L	0.0200		97.1	77.6-137	4.43	16.5	
1,1-Dichloropropene	0.020	0.0005	mg/L	0.0200		99.8	54.5-156	1.34	5.47	
1,2,3-Trichlorobenzene	0.020	0.0005	mg/L	0.0200		99.2	66.2-149	3.80	43	
1,2,4-Trichlorobenzene	0.019	0.0005	mg/L	0.0200		93.6	63.3-150	4.14	22.3	
1,2,4-Trimethylbenzene	0.018	0.0005	mg/L	0.0200		89.2	79.1-124	1.78	8.94	
1,2-Dibromo-3-chloropropane	0.019	0.0005	mg/L	0.0200		95.7	34.9-149	3.14	15.1	
1,2-Dibromoethane	0.020	0.0005	mg/L	0.0200		98.5	78.5-122	2.01	5.83	
1,2-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		98.0	84.3-120	2.27	8.72	
1,2-Dichloroethane	0.018	0.0005	mg/L	0.0200		87.5	70.4-125	0.172	8.94	
1,2-Dichloropropane	0.018	0.0005	mg/L	0.0200		92.0	73.3-122	2.94	5.51	
1,3,5-Trimethylbenzene	0.019	0.0005	mg/L	0.0200		95.7	77.3-127	3.34	16.5	
1,3-Dichlorobenzene	0.020	0.0005	mg/L	0.0200		100	84.5-124	2.61	9	
1,3-Dichloropropane	0.019	0.0005	mg/L	0.0200		96.4	76-124	1.19	6.06	
1,4-Dichlorobenzene	0.019	0.0005	mg/L	0.0200		94.6	83.2-121	0.790	7.71	
1,4-Dioxane	0.316	0.020	mg/L	0.400		78.9	26-195	20.1	35.2	
1.2.3-trichloropropane	0.019	0.0005	mg/L	0.0200		94.5	56.5-127	2.35	49.2	
2,2-Dichloropropane	0.021	0.0005	mg/L	0.0200		107	69.4-132	3.21	9.62	
2-Butanone	0.034	0.002	mg/L	0.0400		85.8	40.9-157	6.21	14.2	
2-Chlorotoluene	0.019	0.0005	mg/L	0.0200		97.2	76.4-123	1.40	8.62	
2-Hexanone	0.031	0.001	mg/L	0.0400		77.0	15.4-157	4.57	7.28	
Surrogate: 4-Bromofluorobenzene	*0.0511*		mg/L	*0.0500*		*102*	*79.1-111*			
4-Chlorotoluene	0.017	0.0005	mg/L	0.0200		86.2	78.7-126	6.18	15.5	
4-Methyl-2-pentanone	0.033	0.001	mg/L	0.0400		83.4	31.4-146	1.66	7.57	
Acetone	0.031	0.010	mg/L	0.0400		78.1	49.7-187	20.0	30.5	
Acrolein	0.467	0.005	mg/L	0.200		233	4.88-190	14.1	22.4	BS1
Acrylonitrile	0.037	0.002	mg/L	0.0400		91.9	52.6-154	7.64	7.62	QR-04
Benzene	0.019	0.0005	mg/L	0.0200		93.6	82.4-116	0.426	4.16	
Bromobenzene	0.020	0.0005	mg/L	0.0200		101	81.5-121	0.0493	8.41	
Bromochloromethane	0.020	0.0005	mg/L	0.0200		97.7	67.4-139	3.07	5.16	
Bromodichloromethane	0.019	0.0005	mg/L	0.0200		96.4	76.5-119	2.56	5.36	
Bromoform	0.019	0.0005	mg/L	0.0200		96.4	64.6-130	4.46	14.1	
Bromomethane	0.020	0.0005	mg/L	0.0200		102	63.3-139	4.60	21.5	
Carbon disulfide	0.036	0.001	mg/L	0.0400		91.1	66.8-157	5.31	20.3	
Carbon tetrachloride	0.022	0.0005	mg/L	0.0200		112	73.9-135	0.621	11.4	
Chlorobenzene	0.020	0.0005	mg/L	0.0200		99.0	83.5-117	2.05	5.18	

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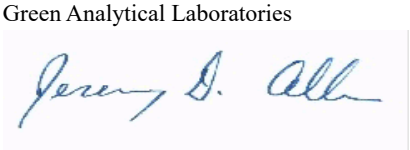

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

VOLATILES BY GC/MS - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5121702 - Volatiles (Continued)										
LCS Dup (5121702-BSD1) (Continued)			Prepared: 12/17/25 Analyzed: 12/18/25							
Chloroethane	0.018	0.0005	mg/L	0.0200		91.9	67.1-139	0.975	24.1	
Chloroform	0.020	0.0005	mg/L	0.0200		102	72.8-130	1.03	5.15	
Chloromethane	0.019	0.0005	mg/L	0.0200		92.9	45.8-153	0.108	27	
cis-1,2-Dichloroethene	0.021	0.0005	mg/L	0.0200		104	75.7-128	3.17	5.73	
cis-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		97.9	71.6-125	3.22	6.09	
Dibromochloromethane	0.020	0.0005	mg/L	0.0200		101	78.8-123	3.06	7.24	
Surrogate: Dibromofluoromethane	*0.0506*		mg/L	*0.0500*		*101*	*82.4-125*			
Dibromomethane	0.019	0.0005	mg/L	0.0200		97.2	77.8-119	1.28	5.75	
Dichlorodifluoromethane	0.018	0.0005	mg/L	0.0200		87.9	46.1-158	0.628	22.6	
Ethylbenzene	0.020	0.0005	mg/L	0.0200		98.8	77.9-123	2.60	4.83	
Hexachlorobutadiene	0.018	0.0005	mg/L	0.0200		92.3	55.5-185	0.217	18.4	
Iodomethane	0.041	0.001	mg/L	0.0400		102	74-137	4.96	24.3	
Isopropylbenzene	0.019	0.0005	mg/L	0.0200		95.0	77.6-125	2.75	6.25	
m+p - Xylene	0.039	0.001	mg/L	0.0400		96.4	76.6-128	2.46	5.77	
Methyl tert-butyl ether	0.040	0.001	mg/L	0.0400		100	73.6-131	3.79	12.8	
Methylene chloride	0.020	0.0005	mg/L	0.0200		102	75.1-138	2.81	19.7	
Naphthalene	0.018	0.0005	mg/L	0.0200		91.0	55.4-142	5.65	33.5	
n-Butylbenzene	0.018	0.0005	mg/L	0.0200		88.8	72.8-143	0.449	10.1	
n-Propylbenzene	0.018	0.0005	mg/L	0.0200		91.6	79.8-127	2.27	9.09	
o-Xylene	0.018	0.0005	mg/L	0.0200		90.0	72.3-124	1.54	6.29	
p-Isopropyltoluene	0.018	0.0005	mg/L	0.0200		92.5	72-135	2.09	9.26	
sec-Butylbenzene	0.018	0.0005	mg/L	0.0200		92.5	78.6-130	2.46	9.85	
Styrene	0.019	0.0005	mg/L	0.0200		97.4	78.9-119	3.48	7.55	
tert-Butylbenzene	0.019	0.0005	mg/L	0.0200		93.9	79.8-126	2.83	18.6	
Tetrachloroethene	0.021	0.0005	mg/L	0.0200		105	76.9-130	2.85	6.38	
Toluene	0.020	0.0005	mg/L	0.0200		99.2	76.3-120	2.93	5.67	
Surrogate: Toluene-d8	*0.0524*		mg/L	*0.0500*		*105*	*82.5-115*			
Total Xylenes	0.057	0.001	mg/L	0.0600		94.3	75.9-126	2.17	5.83	
trans-1,2-Dichloroethene	0.020	0.0005	mg/L	0.0200		99.6	78.3-134	4.85	19.1	
trans-1,3-Dichloropropene	0.020	0.0005	mg/L	0.0200		99.3	74.4-126	0.0504	6.26	
trans-1,4-Dichloro-2-butene	0.032	0.010	mg/L	0.0400		79.2	7.48-201	9.13	92.8	
Trichloroethene	0.020	0.0005	mg/L	0.0200		98.6	77.5-118	0.758	4.92	
Trichlorofluoromethane	0.018	0.0005	mg/L	0.0200		90.6	63.7-149	0.332	19.8	
Vinyl acetate	0.018	0.0005	mg/L	0.0200		90.2	19.3-171	7.36	7.84	
Vinyl chloride	0.018	0.0005	mg/L	0.0200		91.6	64.9-141	1.57	23	

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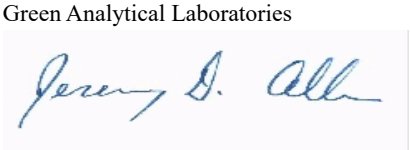

Reporting Station For Jeremy D Allen, Laboratory Director

Cottonwood Consulting	Project: VOC 8260	
PO Box 1653	Project Name / Number: Mudge B #012R	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	12/26/25 10:21

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Jeremy D. Allen

Reporting Station For Jeremy D Allen, Laboratory Director

GAL Analytical Laboratories
75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006, R 8.0

Note: Wite-Out™ or similar products cannot be used on the Chain of Custody

Company or Client: Cottonwood Consulting LLC

Address: PO Box 1653

City: Durango **State:** CO **Zip:** 81302

Phone #: 970-764-7356

Contact Person: Kyle Siesser

Email Report to: ksiesser@cottonwoodconsulting.com

Project Name(optional): Mudge B #012R

Sampler Name (Print): Kelsey O'Brien / Robert Cochran

Bill to (if different):

P.O. #:

Rush? Y ☐ N ☐ TAT Needed?

ANALYSIS REQUEST

Lab I.D. (Lab Use Only)	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACE WATER	WASTEWATER	PRODUCED WATER	DRINKING WATER	SOIL	OTHER:	# of containers: No preservation	Nitric Acid	Hydrochloric Acid	Sulfuric Acid	Sodium Hydroxide	OTHER:	EPA Method (8260)
2512-138 01	1) MW #2	12/10/25	1000	✓									4				✓
	2)																
	3)																
	4)																
	5)																
	6)																
	7)																
	8)																
	9)																
	10)																

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 12/10/25 Time: 1550	**Received By:**	Date: 12-10-25 Time: 1550	ADDITIONAL REMARKS:
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	
Relinquished By:	Date: Time:	**Received By:**	Date: Time:	Temperature at receipt: 14.4 °C; Checked by: MRM; On Ice? (Y) N; Therm. used: Work 2

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com

* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

Analytical Laboratories

Date/Initials of person examining contents: 12.11.25

Labeled by initials: _____
(if different than above)

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood **Work Order #** 2512-138

Courier: ☐Fed Ex ☐UPS ☐USPS ☑Client ☐ Kangaroo ☐ Third Party ☐Other

Custody Seals on Box/Cooler Present: ☐ Yes ☑ No Seals Intact: ☐ Yes ☐ No GAL Cooler #: _____

Thermometer Used: #2 Samples on ice, cooling process has begun: ☑ Yes ☐ No

Type of Ice: ☑ Wet ☐ Blue ☐ None **Cooler Temp:** Observed Temp: 14.4 °C Correction Factor: 0 °C Final Temp: 14.4 °C

Temp: _____ °C

Temp: _____ °C

Temp: _____ °C

* *Temp should be above freezing 6°C, if multiple readings are taken the lowest temp is the final temp recorded.*

Compliance: ☐ Yes ☑ No

Chain of Custody Filled Out:	☑Yes ☐No	1.
COC Signed when Relinquished and Received:	☑Yes ☐No	2.
Sampler Name and Signature on COC: *Required for compliance	☑Yes ☐No	3.
Samples arrived within hold time: *(Excluding pH)*	☑Yes ☐No	4.
Correct Containers Used & Intact:	☑Yes ☐No	5.
Short Hold Time Analysis (<72hr): *(Excluding pH)*	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume:	☑Yes ☐No	8.
pH's acceptable upon receipt, where applicable: *Not including metals bottles	☐Yes ☐No ☑N/A	9.
Dissolved Testing Needed: Field Filtered: ☐Yes ☐No	☐Yes ☑No	10.
Sample Labels match COC: -Includes Date/Time/ID Matrix:	☑Yes ☐No (WT) SL OT	11.
Trip Blank Present: Trip Blank Custody Seals Present: VOA's meet headspace requirement (<6mm bubbles)	☐Yes ☐No ☑N/A ☐Yes ☐No ☑N/A ☑Yes ☐No ☐N/A	12.
Non-Conformance(s):	☐Yes ☑No	13.

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 6

Page 1 of 1

Cottonwood CONSULTING

ATTACHMENT 3

Cottonwood CONSULTING

Mudge B #012R
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
5/9/2019	#1	2467.0	2.21	-	-	NO	NO	-	Initial start up
5/13/2019	#1	-	-	-	-	NO	NO	-	Generator not operational.
5/16/2019	#1	-	-	-	-	NO	NO	-	Generator not operational (2nd visit)
5/16/2019	#1	-	-	-	-	NO	NO	-	Generator not operational (2nd visit)
5/24/2019	#1	4133.0	-	-	-	YES	NO	-	Water level in drum not measured
5/28/2019	#1	4776.0	3.24	-	-	YES	NO	-	
5/29/2019	#1	2658.0	3.24	-	-	YES	NO	-	
5/30/2019	#1	3158.0	3.24	-	-	YES	NO	-	
5/31/2019	#1	4736.0	3.24	-	-	YES	NO	-	
6/4/2019	#1	3146.0	3.24	-	28,539.3	YES	NO	-	
6/12/2019	#1	2510.0	3.31	-	28,726.2	YES	NO	-	Water level in drum not measured
6/20/2019	#1	1970.0	3.24	-	28,922.3	YES	NO	-	
6/28/2019	#1	4526.0	3.38	-	29,110.6	YES	NO	-	
7/5/2019	#1	-	3.24	-	29,278.0	YES	YES	9.50	
7/11/2019	#1	1629.0	3.31	-	29,426.2	YES	NO	-	Water level below drain plug
7/18/2019	#1	1503.0	3.31	-	29,591.5	YES	NO	-	Dry drum
7/27/2019	#1	1114.0	3.38	-	29,806.8	YES	NO	-	Water level below drain plug
8/9/2019	#1	1004.0	3.38	-	30,120.4	YES	NO	-	Dry drum
8/14/2019	#1	1691.0	3.38	-	30,240.0	YES	NO	-	Water level below drain plug
8/23/2019	#1	4851.0	3.31	-	30,368.7	NO	NO	-	Generator not operational (GNO) at arrival; restarted, then collected readings, dry drum
8/28/2019	#1	886.0	3.31	-	30,422.1	YES	NO	-	Water level below drain plug
9/5/2019	#1	957.0	3.38	-	30,612.1	YES	NO	-	Water level below drain plug
9/12/2019	#1	1200.0	3.38	-	30,725.9	NO	NO	-	GNO; restarted, then collected readings, water level below drain plug
9/18/2019	#1	1437.0	3.38	-	30,731.8	NO	NO	-	GNO; restarted, then collected readings, water level below drain plug
9/25/2019	#1	3242.0	3.38	-	NA	YES	NO	-	GNO 45 min. prior to arrival, system shut down after readings
10/1/2019	#1	-	-	-	NA	NO	NO	-	GNO; did not measure water in drum or restarted generator
10/8/2019	#1	-	-	-	30,733.9	NO	NO	-	GNO; restart only lasted 15 sec.; water level below drain plug
10/17/2019	#1	822.0	3.38	-	30,900.1	YES	YES	9.50	
10/23/2019	#1	-	-	-	30,991.7	NO	NO	-	GNO; did not measure water in drum or restarted generator
10/28/2019	#1	912.0	3.38	-	31,064.5	YES	YES	10.50	
11/1/2019	#1	963.0	3.38	-	31,165.0	YES	YES	14.00	
11/7/2019	#1	823.0	3.38	-	31,306.9	YES	YES	13.00	
11/14/2019	#1	775.0	3.38	-	31,473.9	YES	YES	14.00	
11/22/2019	#1	653.0	3.38	-	31,666.5	YES	YES	15.50	
12/4/2019	#1	1062.0	3.38	-	31,949.9	NO	YES	25.50	Drained, restarted, then collected data after 5 min. running
12/12/2019	#1	894.0	3.38	-	32,142.6	YES	YES	22.00	
12/19/2019	#1	837.0	3.38	-	32,313.8	YES	YES	23.00	Drained, restarted at 2pm after collecting water samples
12/24/2019	#1	892.0	3.38	-	32,430.4	YES	YES	14.00	Drained, restarted
12/30/2019	#1	NA	3.46	-	32,573.4	YES	YES	18.50	Drained, restarted
1/4/2020	#1	446.0	3.46	-	32,692.8	YES	YES	17.00	Drained, restarted
1/9/2020	#1	NA	3.38	-	32,814.4	YES	YES	14.50	Drained, restarted
1/10/2020	#1	NA	-	-	NA	YES	NO	-	Unintentionally left inlet valve open, did not measure water in drum
1/15/2020	#1	NA	3.38	-	32,959.5	YES	YES	17.00	Drained, restarted
1/25/2020	#1	834.0	3.53	-	33,200.6	NO	YES	26.00	Drained, restarted, then collected data after 12 min. running

Cottonwood CONSULTING

Mudge B #012R
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
1/30/2020	#1	683.0	3.38	-	33,322.0	YES	YES	14.00	Drained, restarted
2/5/2020	#1	NA	3.38	-	33,462.4	YES	YES	17.00	Drained, restarted
2/13/2020	#1	NA	-	-	33,631.0	NO	YES	15.50	GNO; could not restart generator
2/26/2020	#1	NA	-	-	33,653.0	NO	NO	-	GNO; water below drain port, could not restrart
2/28/2020	#1	903.0	3.38	-	33,674.3	YES	YES	4.00	Drained, restarted
3/5/2020	#1	656.0	3.38	-	33,818.1	YES	NO	-	Drained, restarted
3/12/2020	#1	NA	3.53	-	33,985.1	YES	NO	-	Unintentionally left inlet valve open
3/25/2020	#1	NA	3.38	-	34,297.5	YES	YES	23.50	Drained, restarted
3/31/2020	#1	560.0	3.38	-	34,440.1	YES	YES	9.50	Drained, restarted
4/14/2020	#1	512.0	3.38	-	34,778.8	YES	YES	15.50	Drained, restarted
4/29/2020	#1	NA	3.38	-	35,027.0	YES	YES	8.00	Drained, restarted
5/8/2020	#1	NA	3.38	-	35,240.6	YES	NO	-	Dry drum
5/22/2020	#1	431.0	3.38	-	35,576.7	YES	YES	5.50	Drained, restarted
5/28/2020	#1	364.0	3.38	-	35,721.0	YES	NO	-	Water in drum not measured
6/25/2020	#1	266.0	3.31	-	-	YES	NO	-	Water in drum below drain port
7/30/2020	#1	NA	-	-	-	NO	NO	-	GNO; water below drain port, could not restrart
8/25/2020	#1	NA	-	-	-	NO	NO	-	GNO; could not restart generator
8/31/2020	#1	NA	-	-	-	NO	NO	-	GNO; could not restart generator
9/17/2020	#1	NA	-	-	-	NO	NO	-	GNO; could not restart generator
9/23/2020	#1	1506.0	3.38	-	36,781.5	NO	NO	-	GNO; restarted, then collected readings, dry drum
9/29/2020	#1	NA	-	-	-	NO	NO	-	GNO; restarted, generator shut down < 5 minutes after restart
10/6/2020	#1	409.0	3.31	-	36,946.0	YES	NO	-	Water in drum below drain port
10/13/2020	#1	1151.0	3.38	-	37,113.3	YES	NO	2.00	
10/23/2020	#1	363.0	3.31	-	37,356.8	YES	YES	5.50	
11/3/2020	#1	320.2	3.38	-	37,617.7	YES	NO	-	Water in drum just above drain port
11/12/2020	#1	NA	3.38	-	37,832.3	YES	YES	15.50	
11/16/2020	#1	412.0	3.38	-	37,931.9	YES	YES	6.50	
11/23/2020	#1	NA	3.38	-	38,100.4	YES	YES	7.00	
12/2/2020	#1	NA	3.46	-	38,317.7	YES	YES	21.00	
12/10/2020	#1	NA	3.38	-	38,503.9	YES	YES	20.50	
12/16/2020	#1	NA	3.53	-	38,650.3	YES	YES	18.50	
12/22/2020	#1	425.1	3.46	-	38,792.6	YES	YES	16.00	
1/14/2021	#1	1210.0	-	-	-	YES	-	-	
2/5/2021	#1	-	-	-	-	NO	-	-	System not operational
3/29/2021	#1	185.6	-	-	-	YES	-	-	
4/14/2021	#1	253.2	-	-	-	YES	-	-	
5/7/2021	#1	-	-	-	-	NO	-	-	System not operational
6/8/2021	#1	-	-	-	-	NO	-	-	System not operational
7/9/2021	#1	-	-	-	-	NO	-	-	System not operational
9/15/2021	#1	699.8	3.24	1.4	-	YES	NO	-	Dry drum; mechanic on site to repair generator
9/29/2021	#1	185.2	3.24	1.7	-	YES	NO	-	Water in drum below drain port
10/11/2021	#1	301.6	3.24	1.8	-	YES	YES	2.47	
11/6/2021	#1	232.6	3.24	1.7	-	YES	YES	2.47	
12/13/2021	#1	530.0	3.24	1.7	-	YES	YES	13.16	

Cottonwood CONSULTING

Mudge B #012R
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
1/4/2022	#1	448.5	3.46	2.1	-	NO	YES	27.15	Drained drum into buckets. Transferred to pit.
2/8/2022	#1	396.5	3.38	2.0	-	YES	YES	15.60	
3/7/2022	#1	231.8	3.38	1.9	-	YES	NO	-	Drum appeared to have been drained prior to arrived
4/7/2022	#1	136.4	3.38	2.2	-	YES	YES	0.82	
5/2/2022	#1	240.6	3.38	2.0	-	YES	YES	1.65	
6/9/2022	#1	2841.0	3.31	2.0	-	YES	NO	-	
7/5/2022	#1	-	-	-	-	NO	NO	-	Generator down
8/17/2022	#1	219.5	3.38	2.1	-	YES	NO	-	
9/15/2022	#1	703.5	3.46	2.2	-	YES	NO	-	
10/12/2022	#1	420.7	3.38	2.1	-	YES	NO	-	
11/10/2022	#1	204.1	3.46	2.2	-	YES	YES	3.29	
12/15/2022	#1	-	-	-	-	NO	YES	0.82	SVE wont turn on. Generator not running.
1/12/2023	#1	-	-	-	-	NO	NO	-	Drain frozen, unable to drain. SVE not operational.
2/9/2023	#1	0.2	-	-	-	NO	NO	-	Attemped to restart system. System wont start, drum frozen.
3/10/2023	#1	-	-	-	-	-	-	-	Unable to access site
4/6/2023	#1	204.7	3.24	2.2	-	YES	YES	2.47	
5/3/2023	#1	122.3	3.24	2.1	-	YES	YES	0.82	
6/6/2023	#1	101.1	3.24	2.1	-	YES	NO	-	
7/7/2023	#1	99.3	3.24	2.2	-	YES	NO	-	
8/9/2023	#1	75.9	3.24	2.2	-	YES	NO	-	
9/7/2023	#1	42.8	3.24	2.2	-	YES	NO	-	
10/18/2023	#1	103.6	3.31	2.2	-	YES	YES	3.70	
11/14/2023	#1	35.7	3.38	0.9	-	YES	YES	18.10	Drum is leaking at PVC connection.
12/14/2023	#1	180.6	2.94	0.7	-	YES	YES	3.29	
1/15/2024	#1	84.4	2.06	0.6	-	NO	NO	-	Restarted system, drum was frozen.
2/14/2024	#1	36.7	2.5	2.5	-	YES	NO	-	Drum was frozen
3/11/2024	#1	41.3	2.5	2.5	-	YES	YES	11.93	Drum has hole, needs to be replaced.
4/8/2024	#1	256.3	2.5	2.5	-	YES	YES	5.76	Small leak when system is off.
5/6/2024	#1	26.7	2.5	2.5	-	YES	YES	7.41	Tightened gasket, gasket is cracked. Minor condensation observed after tightening.
6/12/2024	#1	36.7	2.5	2.5	-	YES	NO	-	
7/5/2024	#1	25.3	2.5	2.5	-	YES	NO	-	Drum dry
8/7/2024	#1	19.5	2.5	2.5	-	YES	NO	-	Drum dry
9/17/2024	#1	19.9	2.5	2.5	-	YES	NO	-	
10/3/2024	#1	7.6	2.5	2.5	-	YES	NO	-	
11/11/2024	#1	19.8	2.5	2.5	-	NO	YES	26.33	
12/10/2024	#1	30	2.5	2.5	-	YES	YES	4.94	
1/7/2025	#1	25.5	3.5	3.5	-	NO	YES	29.21	Drum was partially frozen, could only drain 50%.
2/19/2025	#1	27.3	3.5	3.5	-	NO	NO	-	Frozen completely solid.
3/25/2025	#1	9.2	2.5	2.5	-	NO	YES	17.69	System not operational on arrival, system restarted.
4/8/2025	#1	5.3	2.5	2.5	-	YES	YES	5.76	
5/13/2025	#1	33.5	2.5	2.5	-	YES	YES	4.94	
6/17/2025	#1	29.2	2.5	2.5	-	YES	NO	-	
7/21/2025	#1	-	0.00	0	-	NO	NO	-	System off on arrival, could not restart system.
8/11/2025	#1	27	2.5	2.5	-	YES	NO	-	

Cottonwood CONSULTING

Mudge B #012R
SVE Monitoring Results
Simcoe LLC

Date	SVE Point	Exhaust OVM (ppm)	Vacuum Pressure Upstream of Drum (inHg)	Vacuum Pressure Downstream of Drum (inHg)	System Run Time	System Operational at Arrival	Water Drained	Water Drained (gal)	Comments
9/16/2025	#1	29.3	2.5	2.5	-	YES	NO	-	
10/1/2025	#1	-	-	-	-	NO	NO	-	Generator was off, system would not restart.
11/11/2025	#1	-	-	-	-	NO	NO	-	Attempted to restart and would not turn on. Generator was off.
12/10/2025	#1	-	-	-	-	NO	NO	-	System not operational.

Notes:
SVE - soil vapor extraction
OVM - organic vapor meter
ppm - parts per million
in - inches
cfm - cubic feet per minute
gal - gallons
NA - Not Applicable
inHg - inches mercury

Cottonwood CONSULTING

ATTACHMENT 4

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kyle Siesser
Cottonwood Consulting LLC
PO BOX 1653
Durango, Colorado 81302

Generated 6/26/2025 2:09:01 PM

JOB DESCRIPTION

Mudge B #012R

JOB NUMBER

885-27097-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

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6/26/2025 2:09:01 PM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)338-8812

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Laboratory Job ID: 885-27097-1

Table of Contents

Definitions/Glossary

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cottonwood Consulting LLC
Project: Mudge B #012R

Job ID: 885-27097-1

Job ID: 885-27097-1 Eurofins Albuquerque

Job Narrative
885-27097-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 6/19/2025 7:16 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions
The Field Sampler was not listed on the Chain of Custody.

Subcontract Work
Method Natural Gases O2, CO2: This method was subcontracted to Energy Laboratories, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Client Sample ID: SVE

Lab Sample ID: 885-27097-1

Date Collected: 06/17/25 15:30
Matrix: Air
Date Received: 06/19/25 07:16
Sample Container: Tedlar Bag 1L

Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.10		ug/L			06/25/25 13:55	1
1,1,1-Trichloroethane	ND		0.10		ug/L			06/25/25 13:55	1
1,1,2,2-Tetrachloroethane	ND		0.20		ug/L			06/25/25 13:55	1
1,1,2-Trichloroethane	ND		0.10		ug/L			06/25/25 13:55	1
1,1-Dichloroethane	ND		0.10		ug/L			06/25/25 13:55	1
1,1-Dichloroethene	ND		0.10		ug/L			06/25/25 13:55	1
1,1-Dichloropropene	ND		0.10		ug/L			06/25/25 13:55	1
1,2,3-Trichlorobenzene	ND		0.10		ug/L			06/25/25 13:55	1
1,2,3-Trichloropropane	ND		0.20		ug/L			06/25/25 13:55	1
1,2,4-Trichlorobenzene	ND		0.10		ug/L			06/25/25 13:55	1
1,2,4-Trimethylbenzene	ND		0.10		ug/L			06/25/25 13:55	1
1,2-Dibromo-3-Chloropropane	ND		0.20		ug/L			06/25/25 13:55	1
1,2-Dibromoethane (EDB)	ND		0.10		ug/L			06/25/25 13:55	1
1,2-Dichlorobenzene	ND		0.10		ug/L			06/25/25 13:55	1
1,2-Dichloroethane (EDC)	ND		0.10		ug/L			06/25/25 13:55	1
1,2-Dichloropropane	ND		0.10		ug/L			06/25/25 13:55	1
1,3,5-Trimethylbenzene	**0.26**		0.10		ug/L			06/25/25 13:55	1
1,3-Dichlorobenzene	ND		0.10		ug/L			06/25/25 13:55	1
1,3-Dichloropropane	ND		0.10		ug/L			06/25/25 13:55	1
1,4-Dichlorobenzene	ND		0.10		ug/L			06/25/25 13:55	1
1-Methylnaphthalene	ND		0.40		ug/L			06/25/25 13:55	1
2,2-Dichloropropane	ND		0.20		ug/L			06/25/25 13:55	1
2-Butanone	ND		1.0		ug/L			06/25/25 13:55	1
2-Chlorotoluene	ND		0.10		ug/L			06/25/25 13:55	1
2-Hexanone	ND		1.0		ug/L			06/25/25 13:55	1
2-Methylnaphthalene	ND		0.40		ug/L			06/25/25 13:55	1
4-Chlorotoluene	ND		0.10		ug/L			06/25/25 13:55	1
4-Isopropyltoluene	ND		0.10		ug/L			06/25/25 13:55	1
4-Methyl-2-pentanone	ND		1.0		ug/L			06/25/25 13:55	1
Acetone	ND		1.0		ug/L			06/25/25 13:55	1
Benzene	ND		0.10		ug/L			06/25/25 13:55	1
Bromobenzene	ND		0.10		ug/L			06/25/25 13:55	1
Bromodichloromethane	ND		0.10		ug/L			06/25/25 13:55	1
Dibromochloromethane	ND		0.10		ug/L			06/25/25 13:55	1
Bromoform	ND		0.10		ug/L			06/25/25 13:55	1
Bromomethane	ND		0.30		ug/L			06/25/25 13:55	1
Carbon disulfide	ND		1.0		ug/L			06/25/25 13:55	1
Carbon tetrachloride	ND		0.10		ug/L			06/25/25 13:55	1
Chlorobenzene	ND		0.10		ug/L			06/25/25 13:55	1
Chloroethane	ND		0.20		ug/L			06/25/25 13:55	1
Chloroform	ND		0.10		ug/L			06/25/25 13:55	1
Chloromethane	ND		0.30		ug/L			06/25/25 13:55	1
cis-1,2-Dichloroethene	ND		0.10		ug/L			06/25/25 13:55	1
cis-1,3-Dichloropropene	ND		0.10		ug/L			06/25/25 13:55	1
Dibromomethane	ND		0.10		ug/L			06/25/25 13:55	1
Dichlorodifluoromethane	ND		0.10		ug/L			06/25/25 13:55	1
Ethylbenzene	ND		0.10		ug/L			06/25/25 13:55	1
Hexachlorobutadiene	ND		0.10		ug/L			06/25/25 13:55	1

Client Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Client Sample ID: SVE
Date Collected: 06/17/25 15:30
Date Received: 06/19/25 07:16
Sample Container: Tedlar Bag 1L

Lab Sample ID: 885-27097-1
Matrix: Air

Method: SW846 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.10		ug/L			06/25/25 13:55	1
Methyl-tert-butyl Ether (MTBE)	ND		0.10		ug/L			06/25/25 13:55	1
Methylene Chloride	ND		0.30		ug/L			06/25/25 13:55	1
n-Butylbenzene	ND		0.30		ug/L			06/25/25 13:55	1
N-Propylbenzene	ND		0.10		ug/L			06/25/25 13:55	1
Naphthalene	ND		0.20		ug/L			06/25/25 13:55	1
sec-Butylbenzene	ND		0.10		ug/L			06/25/25 13:55	1
Styrene	ND		0.10		ug/L			06/25/25 13:55	1
tert-Butylbenzene	ND		0.10		ug/L			06/25/25 13:55	1
Tetrachloroethene (PCE)	ND		0.10		ug/L			06/25/25 13:55	1
Toluene	ND		0.10		ug/L			06/25/25 13:55	1
trans-1,2-Dichloroethene	ND		0.10		ug/L			06/25/25 13:55	1
trans-1,3-Dichloropropene	ND		0.10		ug/L			06/25/25 13:55	1
Trichloroethene (TCE)	ND		0.10		ug/L			06/25/25 13:55	1
Trichlorofluoromethane	ND		0.10		ug/L			06/25/25 13:55	1
Vinyl chloride	ND		0.10		ug/L			06/25/25 13:55	1
Xylenes, Total	ND		0.15		ug/L			06/25/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*06/25/25 13:55*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*06/25/25 13:55*	*1*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*06/25/25 13:55*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*		*06/25/25 13:55*	*1*

QC Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 885-28974/5
Matrix: Air
Analysis Batch: 28974

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			06/25/25 13:27	1
1,1,1-Trichloroethane	ND		1.0		ug/L			06/25/25 13:27	1
1,1,2,2-Tetrachloroethane	ND		2.0		ug/L			06/25/25 13:27	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/25/25 13:27	1
1,1-Dichloroethane	ND		1.0		ug/L			06/25/25 13:27	1
1,1-Dichloroethene	ND		1.0		ug/L			06/25/25 13:27	1
1,1-Dichloropropene	ND		1.0		ug/L			06/25/25 13:27	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/25/25 13:27	1
1,2,3-Trichloropropane	ND		2.0		ug/L			06/25/25 13:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/25/25 13:27	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0		ug/L			06/25/25 13:27	1
1,2-Dibromoethane (EDB)	ND		1.0		ug/L			06/25/25 13:27	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/25/25 13:27	1
1,2-Dichloroethane (EDC)	ND		1.0		ug/L			06/25/25 13:27	1
1,2-Dichloropropane	ND		1.0		ug/L			06/25/25 13:27	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/25/25 13:27	1
1,3-Dichloropropane	ND		1.0		ug/L			06/25/25 13:27	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/25/25 13:27	1
1-Methylnaphthalene	ND		4.0		ug/L			06/25/25 13:27	1
2,2-Dichloropropane	ND		2.0		ug/L			06/25/25 13:27	1
2-Butanone	ND		10		ug/L			06/25/25 13:27	1
2-Chlorotoluene	ND		1.0		ug/L			06/25/25 13:27	1
2-Hexanone	ND		10		ug/L			06/25/25 13:27	1
2-Methylnaphthalene	ND		4.0		ug/L			06/25/25 13:27	1
4-Chlorotoluene	ND		1.0		ug/L			06/25/25 13:27	1
4-Isopropyltoluene	ND		1.0		ug/L			06/25/25 13:27	1
4-Methyl-2-pentanone	ND		10		ug/L			06/25/25 13:27	1
Acetone	ND		10		ug/L			06/25/25 13:27	1
Benzene	ND		1.0		ug/L			06/25/25 13:27	1
Bromobenzene	ND		1.0		ug/L			06/25/25 13:27	1
Bromodichloromethane	ND		1.0		ug/L			06/25/25 13:27	1
Dibromochloromethane	ND		1.0		ug/L			06/25/25 13:27	1
Bromoform	ND		1.0		ug/L			06/25/25 13:27	1
Bromomethane	ND		3.0		ug/L			06/25/25 13:27	1
Carbon disulfide	ND		10		ug/L			06/25/25 13:27	1
Carbon tetrachloride	ND		1.0		ug/L			06/25/25 13:27	1
Chlorobenzene	ND		1.0		ug/L			06/25/25 13:27	1
Chloroethane	ND		2.0		ug/L			06/25/25 13:27	1
Chloroform	ND		1.0		ug/L			06/25/25 13:27	1
Chloromethane	ND		3.0		ug/L			06/25/25 13:27	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/25/25 13:27	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/25/25 13:27	1
Dibromomethane	ND		1.0		ug/L			06/25/25 13:27	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/25/25 13:27	1
Ethylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
Hexachlorobutadiene	ND		1.0		ug/L			06/25/25 13:27	1

QC Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 885-28974/5
Matrix: Air
Analysis Batch: 28974

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
Methyl-tert-butyl Ether (MTBE)	ND		1.0		ug/L			06/25/25 13:27	1
Methylene Chloride	ND		3.0		ug/L			06/25/25 13:27	1
n-Butylbenzene	ND		3.0		ug/L			06/25/25 13:27	1
N-Propylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
Naphthalene	ND		2.0		ug/L			06/25/25 13:27	1
sec-Butylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
Styrene	ND		1.0		ug/L			06/25/25 13:27	1
tert-Butylbenzene	ND		1.0		ug/L			06/25/25 13:27	1
Tetrachloroethene (PCE)	ND		1.0		ug/L			06/25/25 13:27	1
Toluene	ND		1.0		ug/L			06/25/25 13:27	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/25/25 13:27	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/25/25 13:27	1
Trichloroethene (TCE)	ND		1.0		ug/L			06/25/25 13:27	1
Trichlorofluoromethane	ND		1.0		ug/L			06/25/25 13:27	1
Vinyl chloride	ND		1.0		ug/L			06/25/25 13:27	1
Xylenes, Total	ND		1.5		ug/L			06/25/25 13:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*		*06/25/25 13:27*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*06/25/25 13:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*06/25/25 13:27*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*		*06/25/25 13:27*	*1*

Lab Sample ID: LCS 885-28974/4
Matrix: Air
Analysis Batch: 28974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1-Dichloroethene			20.0	18.5		ug/L		92	70 - 130		
Benzene			20.0	24.1		ug/L		121	70 - 130		
Chlorobenzene			20.0	21.1		ug/L		105	70 - 130		
Toluene			20.0	20.9		ug/L		104	70 - 130		
Trichloroethene (TCE)			20.0	18.5		ug/L		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*97*		*70 - 130*

Lab Sample ID: 885-27097-1 DU
Matrix: Air
Analysis Batch: 28974

Client Sample ID: SVE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,1-Trichloroethane	ND			ND		ug/L				NC	20

QC Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 885-27097-1 DU
Matrix: Air
Analysis Batch: 28974

Client Sample ID: SVE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND			ND		ug/L				NC	20
1,1,2-Trichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethane	ND			ND		ug/L				NC	20
1,1-Dichloroethene	ND			ND		ug/L				NC	20
1,1-Dichloropropene	ND			ND		ug/L				NC	20
1,2,3-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,3-Trichloropropane	ND			ND		ug/L				NC	20
1,2,4-Trichlorobenzene	ND			ND		ug/L				NC	20
1,2,4-Trimethylbenzene	ND			ND		ug/L				NC	20
1,2-Dibromo-3-Chloropropane	ND			ND		ug/L				NC	20
1,2-Dibromoethane (EDB)	ND			ND		ug/L				NC	20
1,2-Dichlorobenzene	ND			ND		ug/L				NC	20
1,2-Dichloroethane (EDC)	ND			ND		ug/L				NC	20
1,2-Dichloropropane	ND			ND		ug/L				NC	20
1,3,5-Trimethylbenzene	0.26			0.262		ug/L				0.3	20
1,3-Dichlorobenzene	ND			ND		ug/L				NC	20
1,3-Dichloropropane	ND			ND		ug/L				NC	20
1,4-Dichlorobenzene	ND			ND		ug/L				NC	20
1-Methylnaphthalene	ND			ND		ug/L				NC	20
2,2-Dichloropropane	ND			ND		ug/L				NC	20
2-Butanone	ND			ND		ug/L				NC	20
2-Chlorotoluene	ND			ND		ug/L				NC	20
2-Hexanone	ND			ND		ug/L				NC	20
2-Methylnaphthalene	ND			ND		ug/L				NC	20
4-Chlorotoluene	ND			ND		ug/L				NC	20
4-Isopropyltoluene	ND			ND		ug/L				NC	20
4-Methyl-2-pentanone	ND			ND		ug/L				NC	20
Acetone	ND			ND		ug/L				NC	20
Benzene	ND			ND		ug/L				NC	20
Bromobenzene	ND			ND		ug/L				NC	20
Bromodichloromethane	ND			ND		ug/L				NC	20
Dibromochloromethane	ND			ND		ug/L				NC	20
Bromoform	ND			ND		ug/L				NC	20
Bromomethane	ND			ND		ug/L				NC	20
Carbon disulfide	ND			ND		ug/L				NC	20
Carbon tetrachloride	ND			ND		ug/L				NC	20
Chlorobenzene	ND			ND		ug/L				NC	20
Chloroethane	ND			ND		ug/L				NC	20
Chloroform	ND			ND		ug/L				NC	20
Chloromethane	ND			ND		ug/L				NC	20
cis-1,2-Dichloroethene	ND			ND		ug/L				NC	20
cis-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Dibromomethane	ND			ND		ug/L				NC	20
Dichlorodifluoromethane	ND			ND		ug/L				NC	20
Ethylbenzene	ND			ND		ug/L				NC	20
Hexachlorobutadiene	ND			ND		ug/L				NC	20
Isopropylbenzene	ND			ND		ug/L				NC	20
Methyl-tert-butyl Ether (MTBE)	ND			ND		ug/L				NC	20
Methylene Chloride	ND			ND		ug/L				NC	20

QC Sample Results

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 885-27097-1 DU
Matrix: Air
Analysis Batch: 28974

Client Sample ID: SVE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
n-Butylbenzene	ND			ND		ug/L				NC	20
N-Propylbenzene	ND			ND		ug/L				NC	20
Naphthalene	ND			ND		ug/L				NC	20
sec-Butylbenzene	ND			ND		ug/L				NC	20
Styrene	ND			ND		ug/L				NC	20
tert-Butylbenzene	ND			ND		ug/L				NC	20
Tetrachloroethene (PCE)	ND			ND		ug/L				NC	20
Toluene	ND			ND		ug/L				NC	20
trans-1,2-Dichloroethene	ND			ND		ug/L				NC	20
trans-1,3-Dichloropropene	ND			ND		ug/L				NC	20
Trichloroethene (TCE)	ND			ND		ug/L				NC	20
Trichlorofluoromethane	ND			ND		ug/L				NC	20
Vinyl chloride	ND			ND		ug/L				NC	20
Xylenes, Total	ND			ND		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
Dibromofluoromethane (Surr)	*95*		*70 - 130*

QC Association Summary

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

GC/MS VOA

Analysis Batch: 28974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-27097-1	SVE	Total/NA	Air	8260B	
MB 885-28974/5	Method Blank	Total/NA	Air	8260B	
LCS 885-28974/4	Lab Control Sample	Total/NA	Air	8260B	
885-27097-1 DU	SVE	Total/NA	Air	8260B	

Lab Chronicle

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Client Sample ID: SVE
Date Collected: 06/17/25 15:30
Date Received: 06/19/25 07:16

Lab Sample ID: 885-27097-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260B		1	28974	JP	EET ALB	06/25/25 13:55

Laboratory References:

= , 1120 South 27th Street, Billings, MT 59101, TEL (406)252-6325

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-27-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

Oregon	NELAP	NM100001	02-26-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	1,1,1,2-Tetrachloroethane
8260B		Air	1,1,1-Trichloroethane
8260B		Air	1,1,2,2-Tetrachloroethane
8260B		Air	1,1,2-Trichloroethane
8260B		Air	1,1-Dichloroethane
8260B		Air	1,1-Dichloroethene
8260B		Air	1,1-Dichloropropene
8260B		Air	1,2,3-Trichlorobenzene
8260B		Air	1,2,3-Trichloropropane
8260B		Air	1,2,4-Trichlorobenzene
8260B		Air	1,2,4-Trimethylbenzene
8260B		Air	1,2-Dibromo-3-Chloropropane
8260B		Air	1,2-Dibromoethane (EDB)
8260B		Air	1,2-Dichlorobenzene
8260B		Air	1,2-Dichloroethane (EDC)
8260B		Air	1,2-Dichloropropane
8260B		Air	1,3,5-Trimethylbenzene
8260B		Air	1,3-Dichlorobenzene
8260B		Air	1,3-Dichloropropane
8260B		Air	1,4-Dichlorobenzene
8260B		Air	1-Methylnaphthalene
8260B		Air	2,2-Dichloropropane

Accreditation/Certification Summary

Client: Cottonwood Consulting LLC
Project/Site: Mudge B #012R

Job ID: 885-27097-1

Laboratory: Eurofins Albuquerque (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Air	2-Butanone
8260B		Air	2-Chlorotoluene
8260B		Air	2-Hexanone
8260B		Air	2-Methylnaphthalene
8260B		Air	4-Chlorotoluene
8260B		Air	4-Isopropyltoluene
8260B		Air	4-Methyl-2-pentanone
8260B		Air	Acetone
8260B		Air	Benzene
8260B		Air	Bromobenzene
8260B		Air	Bromodichloromethane
8260B		Air	Bromoform
8260B		Air	Bromomethane
8260B		Air	Carbon disulfide
8260B		Air	Carbon tetrachloride
8260B		Air	Chlorobenzene
8260B		Air	Chloroethane
8260B		Air	Chloroform
8260B		Air	Chloromethane
8260B		Air	cis-1,2-Dichloroethene
8260B		Air	cis-1,3-Dichloropropene
8260B		Air	Dibromochloromethane
8260B		Air	Dibromomethane
8260B		Air	Dichlorodifluoromethane
8260B		Air	Ethylbenzene
8260B		Air	Hexachlorobutadiene
8260B		Air	Isopropylbenzene
8260B		Air	Methylene Chloride
8260B		Air	Methyl-tert-butyl Ether (MTBE)
8260B		Air	Naphthalene
8260B		Air	n-Butylbenzene
8260B		Air	N-Propylbenzene
8260B		Air	sec-Butylbenzene
8260B		Air	Styrene
8260B		Air	tert-Butylbenzene
8260B		Air	Tetrachloroethene (PCE)
8260B		Air	Toluene
8260B		Air	trans-1,2-Dichloroethene
8260B		Air	trans-1,3-Dichloropropene
8260B		Air	Trichloroethene (TCE)
8260B		Air	Trichlorofluoromethane
8260B		Air	Vinyl chloride
8260B		Air	Xylenes, Total

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ANALYTICAL SUMMARY REPORT

June 24, 2025

Eurofins TestAmerica - Albuquerque
4901 Hawkins St NE Ste D
Albuquerque, NM 87109-4372

Work Order: B25061899 Quote ID: B15626

Project Name: 88501577, Mudge B #012R

Energy Laboratories Inc Billings MT received the following 1 sample for Eurofins TestAmerica - Albuquerque on 6/20/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25061899-001	SVE (885-27097-1)	06/17/25 15:30	06/20/25	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Eurofins TestAmerica - Albuquerque
Project: 88501577, Mudge B #012R
Lab ID: B25061899-001
Client Sample ID: SVE (885-27097-1)

Report Date: 06/24/25
Collection Date: 06/17/25 15:30
DateReceived: 06/20/25
Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS REPORT							
Oxygen	21.79	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Nitrogen	77.97	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Carbon Dioxide	0.24	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Methane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Ethane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Propane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Isobutane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
n-Butane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Isopentane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
n-Pentane	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-13	06/23/25 10:40 / jrj
Propane	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
Isobutane	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
n-Butane	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
Isopentane	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
n-Pentane	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
GPM Total	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-13	06/23/25 10:40 / jrj
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	ND			1		GPA 2261-13	06/23/25 10:40 / jrj
Net BTU per cu ft @ std cond. (LHV)	ND			1		GPA 2261-13	06/23/25 10:40 / jrj
Pseudo-critical Pressure, psia	546			1		GPA 2261-13	06/23/25 10:40 / jrj
Pseudo-critical Temperature, deg R	239			1		GPA 2261-13	06/23/25 10:40 / jrj
Specific Gravity @ 60/60F	0.999			0.001		D3588-81	06/23/25 10:40 / jrj
Air, %	99.57			0.01		GPA 2261-13	06/23/25 10:40 / jrj
- The analysis was not corrected for air.							
COMMENTS							
-						-	06/23/25 10:40 / jrj

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.
- GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
- To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.
- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061899 **Report Date:** 06/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **GPA 2261-13**										Batch: R444612
Lab ID: **B25061899-001ADUP**	12	Sample Duplicate				Run: GC7890_250623A				06/23/25 11:30
Oxygen		21.9	Mol %	0.01				0.3	20	
Nitrogen		77.9	Mol %	0.01				0.1	20	
Carbon Dioxide		0.24	Mol %	0.01				0.0	20	
Hydrogen Sulfide		<0.01	Mol %	0.01					20	
Methane		<0.01	Mol %	0.01					20	
Ethane		<0.01	Mol %	0.01					20	
Propane		<0.01	Mol %	0.01					20	
Isobutane		<0.01	Mol %	0.01					20	
n-Butane		<0.01	Mol %	0.01					20	
Isopentane		<0.01	Mol %	0.01					20	
n-Pentane		<0.01	Mol %	0.01					20	
Hexanes plus		<0.01	Mol %	0.01					20	
Lab ID: **LCS062325**	11	Laboratory Control Sample				Run: GC7890_250623A				06/23/25 13:17
Oxygen		0.59	Mol %	0.01	120	70	130			
Nitrogen		5.86	Mol %	0.01	99	70	130			
Carbon Dioxide		1.05	Mol %	0.01	105	70	130			
Methane		76.5	Mol %	0.01	100	70	130			
Ethane		6.02	Mol %	0.01	99	70	130			
Propane		5.08	Mol %	0.01	102	70	130			
Isobutane		1.66	Mol %	0.01	83	70	130			
n-Butane		2.02	Mol %	0.01	101	70	130			
Isopentane		0.50	Mol %	0.01	100	70	130			
n-Pentane		0.51	Mol %	0.01	102	70	130			
Hexanes plus		0.22	Mol %	0.01	106	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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Work Order Receipt Checklist

Eurofins TestAmerica - Albuquerque B25061899

Login completed by: Natasha L. Anthony Date Received: 6/20/2025
Reviewed by: dharris Received by: ET
Reviewed Date: 6/23/2025 Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	17.6°C No Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

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Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Cason, Cheyenne	Carrier Tracking No(s): N/A	COC No: 885-5407.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: cheyenne.cason@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Energy Laboratories, Inc.		Accreditations Required (See note): NELAP - Oregon; State - New Mexico		Job #: 885-27097-1
Address: 1120 South 27th Street, ,	Due Date Requested: 6/26/2025			
City: Billings	TAT Requested (days): N/A			
State, Zip: MT, 59101				
Phone: 406-252-6325(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Mudge B #012R	Project #: 88501577			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB - GPA-226195 - Natural Gases O2, CO2	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SVE (885-27097-1)	6/17/25	15:30 Mountain	G	Air			X	1	See Attached Instructions B550601899

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 6/19/25 1335	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by: Elly Thompson	Date/Time: 6/20/25 10:25	Company	

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 10/10/2024

ICOC No:
885-5407

Containers

Count	Container Type	Preservative
1	Tedlar Bag 1L	None

Subcontract Method Instructions

Sample IDs	Method	Method Description	Method Comments
1	SUBCONTRACT	SUB - GPA-226195 - Natural Gases O2, CO2	Fixed Gases - Natural Gases O2, CO2

Chain-of-Custody Record

Client: Cottonwood Consulting LLC

Mailing Address: PO Box 1653
Durango, CO 81302

Phone #: 970-764-7356

email or Fax#: ksiesser@cottonwoodconsulting.com

QA/QC Package
■ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
■ Standard ☐ Rush

Project Name: Mudge B #012R

Project #.

Project Manager: Kyle Siesser

Sampler.

On Ice: ☐ Yes ☑ No

# of Coolers: 1

Cooler Temp (including CF): -

HALL ENVIRONMENTAL ANALYSIS LABORA
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-27097 COC

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	CO2	O2				
6/17/25	1530	AIR	SVE	tedlar bag - 2	NA									■			■	■				

Date.	Time	Relinquished by	Received by	Via	Date	Time
6/18/25	1422				6/18/25	1422
Date	Time	Relinquished by.	Received by	Via.	Date	Time
6/18/25	1700			Courier	6/19/25	0:45

Remarks:
please cc emillar@cottonwoodconsulting.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Cottonwood Consulting LLC Job Number: 885-27097-1

Login Number: 27097 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 550388
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	3/3/2026