



November 7, 2018

Mr. Chris Canfield
Colorado Oil & Gas Conservation Commission
1120 Lincoln Street Suite 801
Denver, Colorado 80203

Re: Progress Report – November 2018
Custy #1
SW ¼ SW ¼ Sec.15 T2S R66W 6PM
Lat./Long.: 39.87267/-104.76956
Adams County, Colorado
Remediation Project #9711

Dear Mr. Canfield:

On behalf of Carrizo Niobrara LLC (Carrizo), Eagle Environmental Consulting, Inc. (EAGLE) is submitting this progress report for the above referenced site.

ASSESSMENT ACTIVITIES

Excavation Activities

Following the discovery of a dump line release, source removal excavation activities were completed at the Custy #1 site from June 17-22, 2016. On June 17, 2016, Carrizo submitted a Spill/Release Report – Form 19 (Doc # 401064710) to the Colorado Oil & Gas Conservation Commission (COGCC). In addition, Adams County and Commerce City was verbally notified of the spill/release.

LT Environmental, Inc. (LTE) completed excavation oversight from June 17, 2016 through June 21, 2016. EAGLE provided environmental oversight at the site starting June 22, 2016 per Carrizo's request. Puzzle Creek completed excavation activities onsite. The excavation extents were approximately 38 feet east to west, by approximately 35 feet north to south, with a total depth of approximately 17 feet below ground surface (bgs).

Four sidewall soil samples (SS S, SS W, SS E, and SS N) were collected at approximately 8 feet bgs from the excavation on June 20, 2016 and were submitted to Summit Scientific Laboratory (Summit) for analysis. Following additional excavation activities, four more sidewall soil samples (Sidewall South, Sidewall West, Sidewall North, and Sidewall East) were collected at depths ranging from 10.5 to 12 feet bgs from the excavation on June 22, 2016 and were submitted to Origins Laboratory (Origins) for analysis. All eight sidewall soil samples were submitted for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), total petroleum hydrocarbons - gasoline range organics (TPH-GRO), and TPH - diesel range organics (TPH-DRO). Prior to back-filling activities, a gypsum/granular activated carbon groundwater amendment was applied to the excavation to aid in the remediation of residual adsorbed and dissolved phase impacts. A site location map is presented as Figure 1 and a site map illustrating the excavation extents is presented as Figure 2.

Based on laboratory analytical results, soil samples SS W@8' (0.17 milligrams per kilogram (mg/kg)), Sidewall South@11' (0.652 mg/kg), Sidewall West@12' (19.1 mg/kg), Sidewall North@10.5' (20.0

mg/kg), and Sidewall East@11.5' (5.72 mg/kg) contained adsorbed phase benzene concentrations exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg. In addition, soil samples Sidewall West@12' (2,235 mg/kg), Sidewall North@10.5' (2,495 mg/kg), and Sidewall East@11.5' (966 mg/kg) contained TPH concentrations exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg. Soil analytical results are illustrated in Figure 3 and presented in Table 1.

Since groundwater was encountered during excavation activities, excavation floor soil samples were not collected. A grab groundwater sample (GW-01) was collected from the excavation on June 20, 2016 and submitted to Summit for analysis. Throughout excavation activities, Select Energy provided vacuum truck services to remove groundwater that accumulated within the excavation.

Based on laboratory analytical results, grab groundwater sample GW-01 contained dissolved benzene (3,800 micrograms per liter (ug/L)), toluene (5,400 ug/L), and total xylenes (5,000 ug/L) concentrations exceeding the COGCC Table 910-1 regulatory limits of 5 ug/L, 560 ug/L, and 1,400 ug/L, respectively. Groundwater analytical results are presented in Table 2.

On June 24, 2016, Carrizo submitted a Remediation Workplan –Form 27 to the COGCC. The Remediation Workplan – Form 27 was approved by the COGCC on June 24, 2016, closing out the initial Spill/Release Report – Form 19 (Doc #401064710) and proceeding under approved remediation project #9711.

Soil Boring Assessment and Monitoring Well Installation Activities

Following back-filling activities, twelve soil borings (MW-01 through MW-12) were advanced onsite on June 27, 2016 to define adsorbed and dissolved phase petroleum hydrocarbon impacts beneath the site. Soil borings MW-01 through MW-12 were advanced to total depths ranging from 16.5 (MW-05) to 20 (MW-01) feet bgs to vertically and laterally define adsorbed phase impacts beneath the site. One soil sample was collected from each boring and submitted to Origins for analysis. Each soil boring was then completed as a 1-inch polyvinyl chloride (PVC) monitoring well.

Based on laboratory analytical results, soil samples MW-06@5-7.5' (0.978 mg/kg) and MW-07@5-7.5' (1.83 mg/kg) contained adsorbed benzene concentrations exceeding the COGCC Table 910-1 regulatory limit of 0.17 mg/kg. In addition, soil sample MW-04@12.5-15' (604 mg/kg) contained a TPH concentration exceeding the COGCC Table 910-1 regulatory limit of 500 mg/kg. Soil analytical results are presented in Figure 3 and presented in Table 1.

Additional Assessment Activities

Per EAGLE's conversation with Chris Canfield on July 14, 2016, the COGCC required two additional groundwater monitoring wells (one approximately 30 feet to the west of MW-07 and one approximately 30 feet to the east of MW-06) to define adsorbed and dissolved phase impacts beneath the site.

Additional monitoring wells MW-13 and MW-14 were installed at the Custy #1 site on July 26, 2016. The soil samples collected from MW-13 and MW-14 were submitted to Origins for analysis. Based on laboratory analytical results, soil samples MW-13@10-12.5 and MW-14@5-7.5 did not contain concentrations of BTEX or TPH exceeding the COGCC Table 910-1 regulatory limits. Soil analytical results are presented in Figure 3 and presented in Table 1.

On August 4, 2016, EAGLE developed and sampled monitoring wells MW-13 and MW-14. The groundwater samples collected from MW-13 and MW-14 were submitted to Origins for analysis. Based on the laboratory analytical results, the groundwater samples collected from MW-13 and MW-14 did not

contain concentrations of BTEX exceeding the COGCC Table 910-1 regulatory limits. Groundwater analytical results are presented in Table 2.

Soil Boring Activities

On June 26, 2017 and July 6, 2017, EAGLE completed soil boring activities via hand auger to further assess adsorbed impacts beneath the site. Ten soil borings (SB-01 through SB-10) were advanced to approximately 8 feet bgs. A soil sample from each soil boring was submitted to Origins for analysis of BTEX, TPH-GRO, and TPH-DRO. Based on laboratory analytical results, soil borings SB-04 and SB-05 contained concentrations of benzene exceeding the COGCC Table 910-1 regulatory limit.

Soil sample SB-04 also contained a TPH concentration exceeding the COGCC Table 910-1 regulatory limit. Soil analytical results are presented in Figure 3 and presented in Table 1.

Additional Excavation Activities

A Supplemental Site Investigation and Remediation Workplan – Form 27 (Doc # 401349754) was submitted for remediation project number #9711 on July 31, 2017. The Supplemental Remediation Workplan – Form 27 recommended excavation of impacted soil in the general area of MW-06 and MW-07 for offsite disposal and quarterly groundwater sampling of monitoring wells MW-01 through MW-05, MW-06R, MW-07R, MW-08, MW-09, MW-13, and MW-14.

Excavation activities were completed from August 15, 2017 through August 18, 2017. EAGLE provided environmental oversight and E3 Solutions LLC completed excavation activities onsite. During excavation activities Carrizo and EAGLE were informed by the land owner, Kenneth Custy, that a former pit was located within the excavation area (south of storage tanks). The COGCC Colorado Oil and Gas Information System (COGIS) indicates that a non-permitted pit existed at the site. Lease inspection forms completed on March 29, 1985, November 30, 1988, March 27, 1991, and June 12, 1997 (Doc # 664924, 664923, 348387, and 348384 respectively) confirm the pit existed from 1985 through 1997. The COGIS does not indicate that the pit was ever properly closed.

The following is a list of operators and when they obtained the Custy #1 (Location ID 320170):

- Energy Oil, Inc (June 20, 1983)
- Ouinoco Petroleum, Inc (September 4, 1984)
- Snyder Oil Company (April 1, 1988)
- Thorofare Resources, Inc (September 17, 1993)
- McCartney Engineering, LLC (June 11, 2001)
- Hilcorp Energy Company (September 12, 2011)
- Carrizo Niobrara LLC (July 29, 2013)

During excavation activities, Carrizo encountered the former pit and associated contamination. Carrizo excavated all soil impacts associated when the former pit which was disposed offsite.

Two excavations were completed, one in the general area of MW-06 and the other in the general area around MW-07. The excavation extents of the excavation completed around MW-06 were approximately 11 feet east to west, by approximately 8 feet north to south, with a total depth of approximately 15 feet bgs. The extents of the excavation completed around MW-07 were approximately 70 feet east to west, by approximately 38 feet north to south, with a total depth of approximately 17 feet bgs.

Four sidewall soil samples (South Wall, East Wall, West Wall, North Wall) were collected at approximately 9.5 feet bgs and a floor sample (Floor) at approximately 17 feet bgs from the larger excavation on August 16, 2017. The sidewall and floor samples were submitted to Origins for analysis of BTEX, TPH-GRO, and TPH-DRO. No soil samples were collected from the smaller excavation. Prior to back-filling activities, a gypsum/granular activated carbon groundwater amendment was applied to both of the excavations to aid in the remediation of residual adsorbed and dissolved phase impacts. The excavation extents are presented in Figure 2.

Replacement monitoring wells MW-06R and MW-07R were installed on August 18, 2017 following back-filling activities.

Based on laboratory analytical results, none of the sidewall/floor samples contained concentrations of BTEX or TPH exceeding their applicable COGCC Table 910-1 regulatory limits. Soil analytical results are presented in Figure 3 and presented in Table 1.

A total of 1,338 cubic yards on petroleum impacted soil were removed from the site and disposed of at the Tower Landfill.

A Supplemental Site Investigation and Remediation Workplan – Form 27 (Doc # 401559817) was submitted for remediation project number #9711 on March 23, 2018. The Supplemental Remediation Workplan – Form 27 recommended excavation of impacted soil in the general area of MW-01 and MW-13 for offsite disposal combined with application of groundwater amendment and quarterly groundwater sampling of monitoring wells MW-01 through MW-05, MW-06R, MW-07R, MW-08, MW-09, MW-13, and MW-14.

The limited excavations around MW-01 and MW-13 were completed on April 10, 2018. During excavation activities, monitoring wells MW-01 and MW-13 were accidentally destroyed. Following excavation and application of groundwater amendment, replacement monitoring wells MW-01R and MW-13R were installed. No soil samples were collected during the excavation activities. Excavation extents are presented in Figure 2.

GROUNDWATER MONITORING ACTIVITIES

Quarterly groundwater monitoring events were completed on April 26, 2018, June 13 & 22, 2018, and September 24, 2018. During the October 2016, January 2017, and April 2017 monitoring events groundwater samples were collected from monitoring wells MW-01 through MW-14. During the April, June, and September 2018 monitoring events groundwater samples were collected from MW-01R, MW-02 through MW-05, MW-06R, MW-07R, MW-08, MW-09, MW-13R, and MW-14.

Prior to groundwater sample collection, static depth to groundwater measurements were collected from each monitoring well in order to generate an accurate groundwater flow direction. Monitoring well locations are presented in Figure 2.

Based on laboratory analytical results, none of the groundwater samples collected during the April, June, or September 2018 monitoring events contained concentrations of BTEX exceeding their applicable COGCC Table 910-1 regulatory limits. Groundwater analytical results are presented in Figure 4, Figure 4a, and Figure 4b and in Table 2. The laboratory analytical reports are also included in Attachment A.

During the April, June, and September 2018 monitoring events the groundwater flow direction beneath the site is generally to the west/northwest. Groundwater elevations and parameters are presented in Table 3. Groundwater contours for the April, June, and September 2018 monitoring events are presented in

Figure 5, Figure 5a, and Figure 5b. Hydrographs illustrating benzene concentrations versus groundwater elevation for MW-01R, MW-06R, MW-07R, and MW-13R are presented in Attachment B.

RECOMMENDATIONS

Based on groundwater analytical results from the April, June, and September 2018 monitoring events, EAGLE recommends continuing quarterly groundwater sampling of MW-01R, MW-02 through MW-05, MW-06R, MW-07R, MW-08, MW-09, MW-13R, and MW-14 through March 2019. The site will be sampled December 3, 2018 and March 1, 2019. In addition, EAGLE recommends continued monitored natural attenuation (MNA) as the remedial path for the site moving forward.

If you have any questions or require further information, please contact me at (303) 443-0479.

Sincerely,

EAGLE ENVIRONMENTAL CONSULTING, INC.

A handwritten signature in blue ink, appearing to read 'D. Coloccia', is positioned above the printed name and title.

Daniel Coloccia
Project Scientist

FIGURES

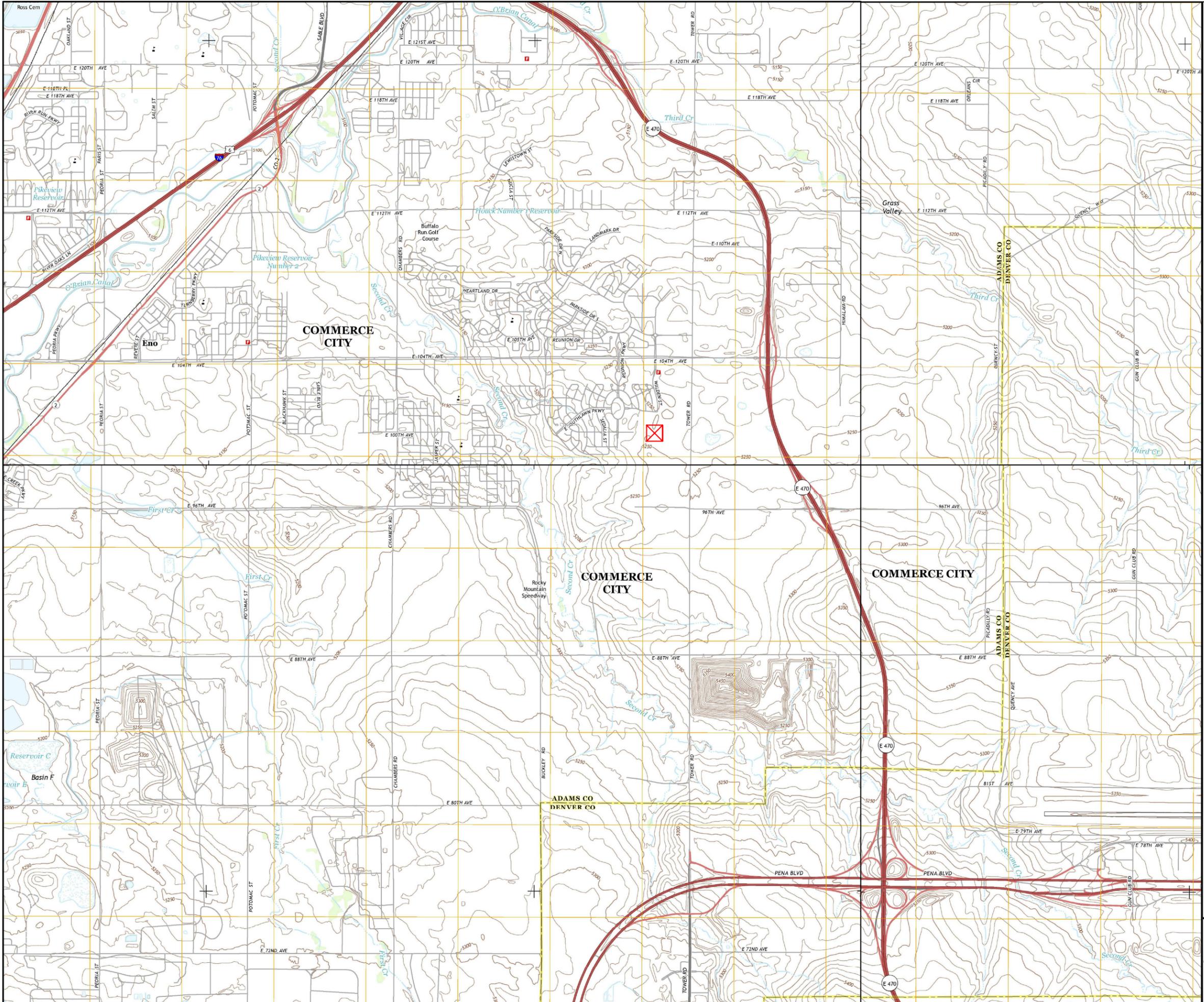
Figure 1: Site Location Map

Figure 2: Site Map

Figure 3: Soil Sample Location Map

Figure 4: Groundwater Sample Location Map (10/10/17)

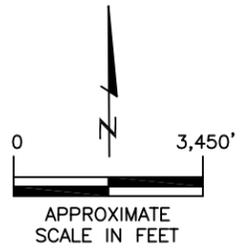
Figure 5: Groundwater Elevation Map (10/10/17)



LEGEND

 APPROXIMATE SITE LOCATION

NOTE: TOPOGRAPHIC MAP OBTAINED FROM U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - BRIGHTON QUADRANGLE, MONTBELLO QUADRANGLE, MILE HIGH LAKES QUADRANGLE, AND DENVER INTERNATIONAL AIRPORT QUADRANGLE - ADAMS CO. AND DENVER CO., 7.5 MINUTE-SERIES



SITE LOCATION MAP
 CUSTY #1
 SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
 LAT./LONG.: 39.87267 / -104.76956
 ADAMS COUNTY, COLORADO
 REMEDIATION PROJECT #9711

DATE:
 07/01/2016

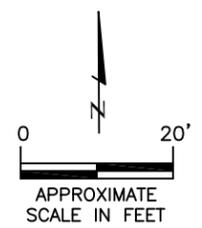
FIG. NO. 1

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 DC



LEGEND

- ⊕ APPROXIMATE MONITORING WELL LOCATION
- ⊖ DESTROYED MONITORING WELL LOCATION
- APPROXIMATE EXCAVATION LIMITS (JUNE 2016)
- APPROXIMATE EXCAVATION LIMITS (AUGUST 2017)
- APPROXIMATE FLOW LINE LOCATIONS
- APPROXIMATE WELL PAD BOUNDARY



SITE MAP
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

DATE:	10/20/17
FIG NO.:	2
DRAWN BY:	DC

EAGLE
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CONSULTING, INC.
4101 INCA STREET, DENVER, CO 80211
Ph: 303-433-0479 • F: 303-325-5449



LEGEND

- ⊕ APPROXIMATE MONITORING WELL LOCATION
- ⊖ DESTROYED MONITORING WELL LOCATION
- APPROXIMATE EXCAVATION LIMITS (JUNE 2016)
- APPROXIMATE EXCAVATION LIMITS (AUGUST 2017)
- APPROXIMATE SOIL SAMPLE LOCATION
- APPROXIMATE FLOW LINE LOCATIONS
- APPROXIMATE WELL PAD BOUNDARY

PARAMETERS

SAMPLE LOCATION	DATE SAMPLE	DEPTH (FEET)	B = BENZENE (mg/kg)	T = TOLUENE (mg/kg)	E = ETHYLBENZENE (mg/kg)	X = TOTAL XYLENES (mg/kg)	G = TPH - GRO (mg/kg)	D = TPH - DRO (mg/kg)
mg/kg = MILLIGRAMS PER KILOGRAM								
TPH - GRO = TOTAL PETROLEUM HYDROCARBONS - GASOLINE RANGE ORGANICS								
TPH - DRO = TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE ORGANICS								
NOTE: VALUES PRESENTED IN BOLD TYPEFACE INDICATE CONCENTRATIONS EXCEED THE COGCC TABLE 910-1 REGULATORY LIMIT FOR THAT COMPOUND.								
COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION								
VALUES PRESENTED WITH A LESS THAN (<) SYMBOL INDICATE CONCENTRATIONS WERE NOT OBSERVED AT THE LABORATORIES REPORTING LIMIT								

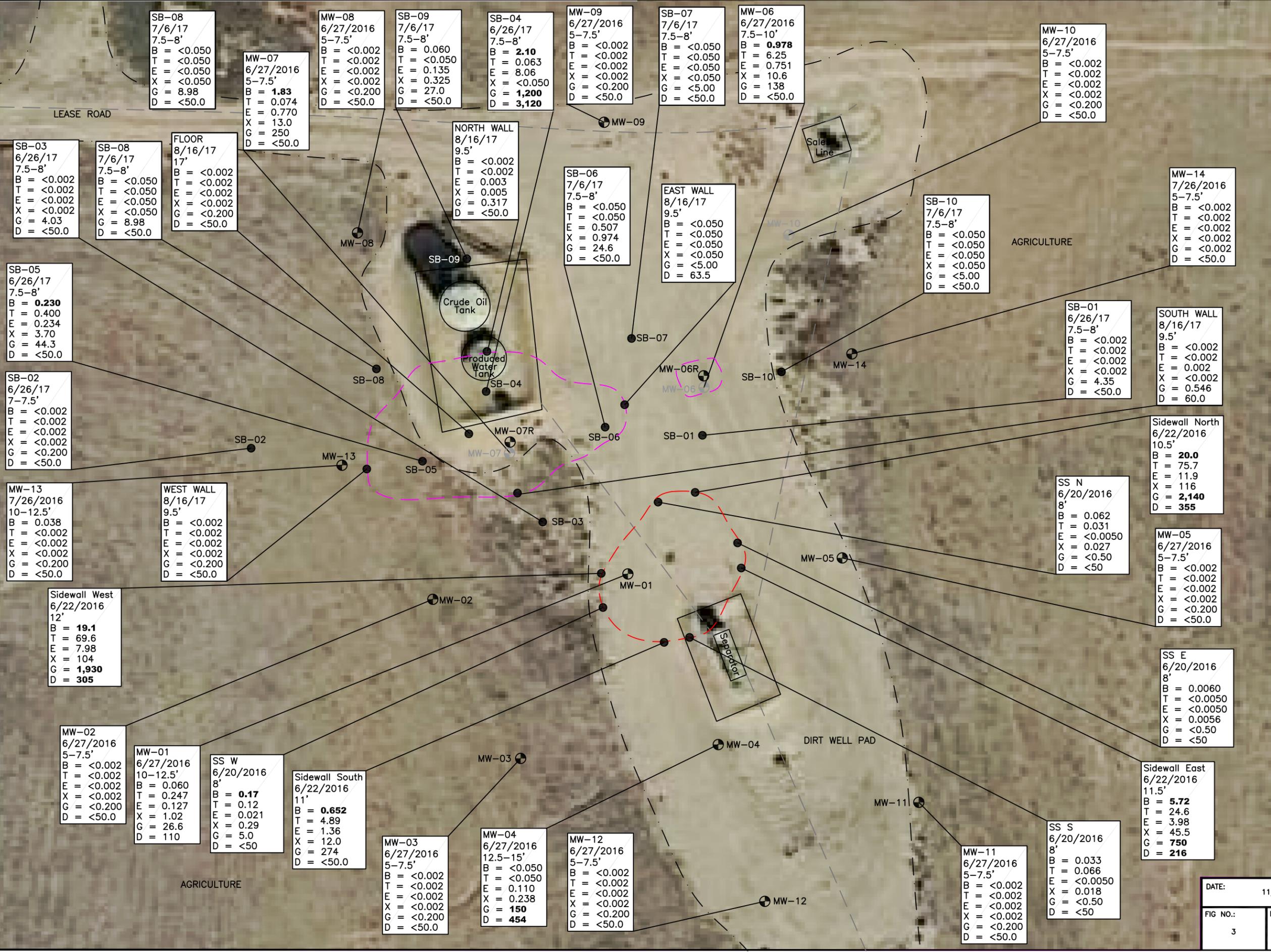
0 20'

APPROXIMATE SCALE IN FEET

SOIL SAMPLE LOCATION MAP
 CUSTY #1
 SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
 LAT/LONG: 39.87267/-104.76956
 ADAMS COUNTY, COLORADO
 REMEDIATION PROJECT #9711

DATE:	11/7/17
FIG NO.:	3
DRAWN BY:	DC

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AGRICULTURE

DIRT WELL PAD

AGRICULTURE

LEASE ROAD

FLOOR

NORTH WALL

EAST WALL

SOUTH WALL

WEST WALL

Separator

APPROXIMATE SCALE IN FEET

SOIL SAMPLE LOCATION MAP
 CUSTY #1
 SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
 LAT/LONG: 39.87267/-104.76956
 ADAMS COUNTY, COLORADO
 REMEDIATION PROJECT #9711

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LEGEND

- APPROXIMATE MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- APPROXIMATE EXCAVATION LIMITS (JUNE 2016)
- APPROXIMATE FLOW LINE LOCATIONS
- APPROXIMATE WELL PAD BOUNDARY

PARAMETERS

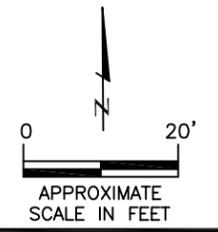
SAMPLE LOCATION
 B = BENZENE (ug/L)
 T = TOLUENE (ug/L)
 E = ETHYLBENZENE (ug/L)
 X = TOTAL XYLENES (ug/L)

ug/L = MICROGRAMS PER LITER

NOTE: VALUES PRESENTED IN **BOLD** TYPEFACE EXCEED THE COGCC TABLE 910-1 REGULATORY LIMITS FOR THAT COMPOUND.

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION

VALUES PRESENTED WITH A LESS THAN SYMBOL (<) INDICATE CONCENTRATIONS WERE NOT OBSERVED AT THE LABORATORY REPORTING LIMIT.



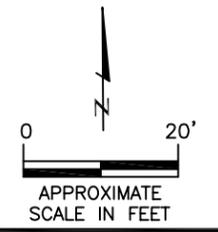
GROUNDWATER SAMPLE LOCATION MAP
 (10/10/17)
 CUSTY #1
 SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
 LAT/LONG: 39.87267/-104.76956
 ADAMS COUNTY, COLORADO
 REMEDIATION PROJECT #9711

DATE:	10/20/17
FIG NO.:	4
DRAWN BY:	DC





- LEGEND**
- APPROXIMATE MONITORING WELL LOCATION
 - ABANDONED MONITORING WELL LOCATION
 - APPROXIMATE EXCAVATION LIMITS (JUNE 2016)
 - APPROXIMATE FLOW LINE LOCATIONS
 - APPROXIMATE WELL PAD BOUNDARY
 - (90.74) GROUNDWATER ELEVATION (FEET)
 - - 92 GROUNDWATER ELEVATION CONTOUR (FEET)
 - INFERRED GROUNDWATER FLOW DIRECTION
 - (NOP) NOT ON PLAN
 - (DES) DESTROYED



GROUNDWATER ELEVATION MAP
 (10/10/17)
 CUSTY #1
 SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
 LAT/LONG: 39.87267/-104.76956
 ADAMS COUNTY, COLORADO
 REMEDIATION PROJECT #9711

DATE:	10/20/17
FIG NO.:	5
DRAWN BY:	DC

EAGLE
 ENVIRONMENTAL
 CONSULTING, INC.
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 Ph: 303-433-0479 · F: 303-325-5449

TABLES

Table 1: Soil Analytical Results Summary

Table 2: Groundwater Analytical Results Summary

Table 3: Groundwater Elevation and Parameter Summary

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDIATION PROJECT #9711

Sample Location (Latitude, Longitude)	Date Sample Collected	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
COGCC Table 910-1 Regulatory Limit (mg/kg)			0.17	85	100	175	500	
SS S	6/20/2016	8.0	0.033	0.066	<0.0050	0.018	<0.50	<50
SS W	6/20/2016	8.0	0.17	0.12	0.021	0.29	5.0	<50
SS E	6/20/2016	8.0	0.0060	<0.0050	<0.0050	0.0056	<0.50	<50
SS N	6/20/2016	8.0	0.062	0.031	<0.0050	0.027	<0.50	<50
Sidewall South (39.872930, -104.769741)	06/22/16	11.0	0.652	4.89	1.36	12.0	274	<50.0
Sidewall West (39.872981, -104.769817)	06/22/16	12.0	19.1	69.6	7.98	104	1,930	305
Sidewall North (39.873025, -104.769734)	06/22/16	10.5	20.0	75.7	11.9	116	2,140	355
Sidewall East (39.872980, -104.769676)	06/22/16	11.5	5.72	24.6	3.98	45.5	750	216
MW-01 (39.87297913, -104.7697838)	06/27/16	10-12.5	0.060	0.247	0.127	1.02	26.6	110
MW-02 (39.87296243, -104.7699640)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-03 (39.87284865, -104.7698840)	06/27/16	5-7.5	<0.002	<0.002	<0.0020	<0.002	<0.200	<50.0
MW-04 (39.87285635, -104.7696969)	06/27/16	12.5-15	<0.050	<0.050	0.110	0.238	150	454
MW-05 (39.87298890, -104.7695858)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-06 (39.87311149, -104.7697118)	06/27/16	7.5-10	0.978	6.25	0.751	10.6	138	<50.0
MW-07 (39.87306585, -104.7698917)	06/27/16	5-7.5	1.83	0.074	0.770	13.0	250	<50.0
MW-08 (39.87322288, -104.7700310)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-09 (39.87330035, -104.7698025)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-10 (39.87321894, -104.7696325)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-11 (39.87281543, -104.7695166)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-12 (39.87274590, -104.7696596)	06/27/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
MW-13 (39.87305505, -104.7700342)	07/26/16	10-12.5	0.038	<0.002	<0.002	<0.002	<0.200	<50.0
MW-14 (39.87313118, -104.7695622)	07/26/16	5-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
SB-01 @ 7.5-8' (39.87306423/-104.76970571)	06/26/17	7.5-8	<0.002	<0.002	<0.002	<0.002	4.35	<50.0

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDIATION PROJECT #9711

Sample Location (Latitude, Longitude)	Date Sample Collected	Approximate Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
COGCC Table 910-1 Regulatory Limit (mg/kg)			0.17	85	100	175	500	
SB-02 @ 7-7.5' (39.87304948/-104.77005639)	06/26/17	7-7.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
SB-03 @ 7.5-8' (39.87302256/-104.76985772)	06/26/17	7.5-8	<0.002	<0.002	<0.002	<0.002	4.03	<50.0
SB-04 @ 7.5-8' (39.87309726/-104.76990218)	06/26/17	7.5-8	2.10	0.063	8.06	<0.050	1200	3120
SB-05 @ 7.5-8' (39.87304069/-104.76995287)	06/26/17	7.5-8	0.230	0.400	0.234	3.70	44.3	<50.0
SB-06 @ 7.5-8' (39.87306305/-104.76980094)	07/06/17	7.5-8	<0.050	<0.050	0.507	0.974	24.6	<50.0
SB-07 @ 7.5-8' (39.87312658/-104.76977003)	07/06/17	7.5-8	<0.050	<0.050	<0.050	<0.050	<5.00	<50.0
SB-08 @ 7.5-8' (39.87310327/-104.77000884)	07/06/17	7.5-8	<0.050	<0.050	<0.050	<0.050	8.98	<50.0
SB-09 @ 7.5-8' (39.87318892/-104.76991748)	07/06/17	7.5-8	0.060	<0.050	0.135	0.325	27.0	<50.0
SB-10 @ 7.5-8' (39.87310836/-104.76963083)	07/06/17	7.5-8	<0.050	<0.050	<0.050	<0.050	<5.00	<50.0
South Wall @ 9.5' (39.873031/-104.769882)	08/16/17	9.5	<0.002	<0.002	0.002	<0.002	0.546	60.0
East Wall @ 9.5' (39.873083/-104.769782)	08/16/17	9.5	<0.050	<0.050	<0.050	<0.050	<5.00	63.5
West Wall @ 9.5' (39.873037/-104.770000)	08/16/17	9.5	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0
North Wall @ 9.5' (39.8733129/-104.769908)	08/16/17	9.5	<0.002	<0.002	0.003	0.005	0.317	<50.0
Floor @ 17' (39.873070/-104.769920)	08/16/17	17.0	<0.002	<0.002	<0.002	<0.002	<0.200	<50.0

COGCC = Colorado Oil and Gas Conservation Commission

mg/kg = milligrams per kilogram

TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics

< = indicates result is less than the stated laboratory reporting limit

Note: Values presented in bold typeface exceed their respective COGCC Table 910-1 Regulatory Limit.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location (Latitude, Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1,400
GW-01	06/20/16	3,800	5,400	210	5,000
MW-01 (39.87297913, -104.7697838)	07/01/16	1,800	611	42.0	281
	10/06/16	904	<20.0	47.2	49.4
	01/11/17	99.0	<10.0	13.8	<10.0
	04/14/17	35.0	<1.00	5.92	4.12
	07/03/17	7.38	<1.00	1.04	<1.00
	10/10/17	52.0	<1.00	4.12	<1.00
	01/18/18	45.6	<1.00	8.66	<1.00
MW-01R (39.87297913, -104.7697838)	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
	09/24/18	<4.00	<4.00	<4.00	<4.00
MW-02 (39.87296243, -104.7699640)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
	09/24/18	<1.00	<1.00	<1.00	<1.00
MW-03 (39.87284865, -104.7698840)	07/01/16	<1.00	<1.00	<1.00	1.53
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
	09/24/18	<1.00	<1.00	<1.00	<1.00
MW-04 (39.87285635, -104.7696969)	07/01/16	<1.00	<1.00	2.65	3.73
	10/06/16	<1.00	<1.00	4.23	5.47
	01/11/17	<1.00	<1.00	35.3	23.7
	04/14/17	<1.00	<1.00	21.3	2.55
	07/03/17	<1.00	<1.00	1.87	<1.00
	10/10/17	<1.00	<1.00	1.68	<1.00
	01/18/18	<1.00	<1.00	1.16	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
09/24/18	<1.00	<1.00	6.88	<1.00	
MW-05 (39.87298890, -104.7695858)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
09/24/18	<1.00	<1.00	<1.00	<1.00	

TABLE 2
GROUNDWATER ANALYTICAL RESULTS SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location (Latitude, Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1,400
MW-06 (39.87311149, -104.7697118)	07/01/16	146	200	33.5	211
	10/06/16	761	<4.00	13.4	166
	01/11/17	40.5	<4.00	<4.00	<4.00
	04/14/17	76.4	<1.00	<1.00	<1.00
	07/03/17	INA			
	DESTROYED				
MW-06R (39.87311155, -104.7697118)	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/19/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<4.00	<4.00	<4.00	<4.00
	06/22/18	<1.00	<1.00	<1.00	<1.00
	09/24/18	<4.00	<4.00	<4.00	<4.00
MW-07 (39.87306585, -104.7698917)	07/01/16	445	39.2	32.8	51.1
	10/06/16	3,640	41.5	423	217
	01/11/17	1,420	<20.0	327	<20.0
	04/14/17	533	<10.0	133	<10.0
	DESTROYED				
MW-07R (39.87306585, -104.7698911)	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
	06/22/18	<1.00	<1.00	<1.00	<1.00
	09/24/18	<1.00	<1.00	<1.00	<1.00
MW-08 (39.87322288, -104.7700310)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
09/24/18	<1.00	<1.00	<1.00	<1.00	
MW-09 (39.87330035, -104.7698025)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
09/24/18	<1.00	<1.00	<1.00	<1.00	
MW-10 (39.87321894, -104.7696325)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	INA			
DESTROYED					

TABLE 2
GROUNDWATER ANALYTICAL RESULTS SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location (Latitude, Longitude)	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
COGCC Table 910-1 Regulatory Limits (µg/L)		5	560	700	1,400
MW-11 (39.87281543, -104.7695166)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	NOP			
	01/18/18	NOP			
	04/26/18	NOP			
	06/13/18	NOP			
MW-12 (39.87274590, -104.7696596)	07/01/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	NOP			
	01/18/18	NOP			
	04/26/18	NOP			
MW-13 (39.87305505, -104.7700342)	08/04/16	<4.00	<4.00	<4.00	<4.00
	10/06/16	32.9	<1.00	<1.00	<1.00
	01/11/17	54.0	<1.00	<1.00	<1.00
	04/14/17	47.0	<1.00	<1.00	<1.00
	07/03/17	165	<1.00	<1.00	<1.00
	10/10/17	139	<1.00	<1.00	<1.00
	01/18/18	202	<1.00	<1.00	<1.00
MW-13R (39.87305505, -104.7700342)	04/26/18	<4.00	<4.00	<4.00	<4.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
	09/24/18	<1.00	<1.00	<1.00	<1.00
MW-14 (39.87313118, -104.7695622)	08/04/16	<1.00	<1.00	<1.00	<1.00
	10/06/16	<1.00	<1.00	<1.00	<1.00
	01/11/17	<1.00	<1.00	<1.00	<1.00
	04/14/17	<1.00	<1.00	<1.00	<1.00
	07/03/17	<1.00	<1.00	<1.00	<1.00
	10/10/17	<1.00	<1.00	<1.00	<1.00
	01/18/18	<1.00	<1.00	<1.00	<1.00
	04/26/18	<1.00	<1.00	<1.00	<1.00
	06/13/18	<1.00	<1.00	<1.00	<1.00
09/24/18	<1.00	<1.00	<1.00	<1.00	

COGCC = Colorado Oil and Gas Conservation Commission

µg/L = micrograms per liter

< = indicates result is less than the stated laboratory reporting limit

Values presented in bold typeface exceed their respective COGCC Table 910-1 Regulatory Limit.

INA = inaccessible

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)
MW-01	07/01/16	8.87	98.18	89.31
	10/06/16	9.24		88.94
	01/11/17	9.80		88.38
	04/14/17	10.10		88.08
	07/03/17	9.53		88.65
	10/10/17	10.52		87.66
	01/18/18	10.87		87.31
MW-01R	04/26/18	14.91	101.61	86.70
	06/13/18	14.52		87.09
	09/24/18	14.77		86.84
MW-02	07/01/16	16.56	100.00	83.44
	10/06/16	11.60		88.40
	01/11/17	12.29		87.71
	04/14/17	12.56		87.44
	07/03/17	11.69		88.31
	10/10/17	13.08		86.92
	01/18/18	13.50		86.50
	04/26/18	13.60		86.40
	06/13/18	13.54		86.46
	09/24/18	13.72		86.28
MW-03	07/01/16	9.08	99.00	89.92
	10/06/16	10.60		88.40
	01/11/17	11.10		87.90
	04/14/17	11.33		87.67
	07/03/17	10.25		88.75
	10/10/17	11.75		87.25
	01/18/18	12.22		86.78
	04/26/18	12.38		86.62
	06/13/18	12.28		86.72
	09/24/18	12.51		86.49
MW-04	07/01/16	6.35	97.18	90.83
	10/06/16	7.68		89.50
	01/11/17	8.32		88.86
	04/14/17	8.65		88.53
	07/03/17	7.98		89.20
	10/10/17	7.69		89.49
	01/18/18	9.42		87.76
	04/26/18	9.67		87.51
	06/13/18	11.59		85.59
	09/24/18	9.78		87.40

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)
MW-05	07/01/16	7.30	98.02	90.72
	10/06/16	8.52		89.50
	01/11/17	9.03		88.99
	04/14/17	9.42		88.60
	07/03/17	8.95		89.07
	10/10/17	9.57		88.45
	01/18/18	10.20		87.82
	04/26/18	10.43		87.59
	06/13/18	10.35		87.67
	09/24/18	10.49		87.53
MW-06	07/01/16	8.08	98.20	90.12
	10/06/16	9.05		89.15
	01/11/17	9.72		88.48
	04/14/17	10.02		88.18
	07/03/17		INA	
MW-06R	10/10/17	13.75	101.64	87.89
	01/18/18	14.15		87.49
	04/26/18	14.50		87.14
	06/22/18	14.04		87.60
	09/24/18	14.38		87.26
MW-07	07/01/16	8.96	97.46	88.50
	10/06/16	8.75		88.71
	01/11/17	9.49		87.97
	04/14/17	9.75		87.71
	07/03/17	9.11		88.35
MW-07R	10/10/17	13.99	100.39	86.40
	01/18/18	13.49		86.90
	04/26/18	13.74	100.32	86.58
	06/22/18	13.57		86.75
	09/24/18	13.66		86.66
MW-08	07/01/16	13.25	97.68	84.43
	10/06/16	10.15		87.53
	01/11/17	10.66		87.02
	04/14/17	10.93		86.75
	07/03/17	10.61		87.07
	10/10/17	11.50		86.18
	01/18/18	11.75		85.93
	04/26/18	11.90		85.78
	06/13/18	11.93		85.75
	09/24/18	12.28		85.40

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)
MW-09	07/01/16	9.39	98.94	89.55
	10/06/16	10.44		88.50
	01/11/17	11.05		87.89
	04/14/17	11.33		87.61
	07/03/17	11.05		87.89
	10/10/17	11.67		87.27
	01/18/18	12.06		86.88
	04/26/18	12.29		86.65
	06/13/18	12.28		86.66
	09/24/18	12.54		86.40
MW-10	07/01/16	8.82	98.98	90.16
	10/06/16	9.83		89.15
	01/11/17	10.49		88.49
	04/14/17	10.86		88.12
	07/03/17	INA		
	10/10/17	DES		
MW-11	07/01/16	8.04	97.60	89.56
	10/06/16	7.62		89.98
	01/11/17	8.33		89.27
	04/14/17	8.61		88.99
	07/03/17	8.00		89.60
	10/10/17	NOP		
	01/18/18	9.34		88.26
		NOP		
MW-12	07/01/16	12.75	97.24	84.49
	10/06/16	7.76		89.48
	01/11/17	9.78		87.46
	04/14/17	8.60		88.64
	07/03/17	7.78		89.46
	10/10/17	NOP		
	01/18/18	9.40		87.84
		NOP		

TABLE 3
GROUNDWATER ELEVATION AND PARAMETER SUMMARY
CUSTY #1
SW 1/4 SW 1/4 SEC.15 T2S R66W 6PM
LAT/LONG: 39.87267/-104.76956
ADAMS COUNTY, COLORADO
REMEDATION PROJECT #9711

Sample Location	Date	Depth to Groundwater (feet)	TOC Elevation (feet)	Relative Groundwater Elevation (feet)
MW-13	08/04/16	18.93	99.29	80.36
	10/06/16	11.24		88.05
	01/11/17	11.95		87.34
	04/14/17	12.18		87.11
	07/03/17	11.33		87.96
	10/10/17	12.76		86.53
	01/18/18	13.08		86.21
MW-13R	04/26/18	13.09	98.99	85.90
	06/13/18	12.71		86.28
	09/24/18	13.07		85.92
MW-14	08/04/16	12.77	102.97	90.20
	10/06/16	13.41		89.56
	01/11/17	14.15		88.82
	04/14/17	14.52		88.45
	07/03/17	14.09		88.88
	10/10/17	14.66		88.31
	01/18/18	14.21		88.76
	04/26/18	13.09		89.88
	06/13/18	15.55		87.42
	09/24/18	15.62		87.35

TOC = Top of Casing
mg/L = milligrams per liter
°C = degrees Celcius
µS/cm - microSiemens per centimeter
mV = millivolts
ORP = oxidation reduction potential
INA = inaccessible

ATTACHMENT A

Laboratory Analytical Reports

October 13, 2016

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. October 07, 2016. This project is associated with Origins project number X610073-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	X610073-01	Water	October 6, 2016 15:10	10/07/2016 07:40
MW-02	X610073-02	Water	October 6, 2016 13:00	10/07/2016 07:40
MW-03	X610073-03	Water	October 6, 2016 14:15	10/07/2016 07:40
MW-04	X610073-04	Water	October 6, 2016 14:30	10/07/2016 07:40
MW-05	X610073-05	Water	October 6, 2016 13:40	10/07/2016 07:40
MW-06	X610073-06	Water	October 6, 2016 14:45	10/07/2016 07:40
MW-07	X610073-07	Water	October 6, 2016 15:00	10/07/2016 07:40
MW-08	X610073-08	Water	October 6, 2016 12:25	10/07/2016 07:40
MW-09	X610073-09	Water	October 6, 2016 12:15	10/07/2016 07:40
MW-10	X610073-10	Water	October 6, 2016 14:00	10/07/2016 07:40

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11	X610073-11	Water	October 6, 2016 13:30	10/07/2016 07:40
MW-12	X610073-12	Water	October 6, 2016 12:45	10/07/2016 07:40
MW-13	X610073-13	Water	October 6, 2016 12:35	10/07/2016 07:40
MW-14	X610073-14	Water	October 6, 2016 13:50	10/07/2016 07:40

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X610073 Client: Eagle Env
 Client Project ID: Custy #1
 Checklist Completed by: Jeff Smith Shipped Via: HD
 Date/time completed: 10/7/16 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1/29 °c / _____ °c / _____ °c (Describe) _____ °c
 Thermometer ID: TCU3

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	X			HLL
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

[Signature] / 10/7/16
 Reviewed by (Project Manager) Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-01
10/6/2016 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-01 (Water)

BTEX by EPA 8260C

Benzene	904	20.0	ug/L	20	B6J1106	10/11/2016	10/12/2016	
Toluene	ND	20.0	"	"	"	"	"	U
Ethylbenzene	47.2	20.0	"	"	"	"	"	
Xylenes, total	49.4	20.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-02
10/6/2016 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	101 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-03
10/6/2016 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-04
10/6/2016 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	4.23	1.00	"	"	"	"	"	
Xylenes, total	5.47	1.00	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	102 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	106 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-05
10/6/2016 1:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	105 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.7 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-06
10/6/2016 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-06 (Water)

BTEX by EPA 8260C

Benzene	761	4.00	ug/L	4	B6J1106	10/11/2016	10/12/2016	
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	13.4	4.00	"	"	"	"	"	
Xylenes, total	166	4.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-07
10/6/2016 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-07 (Water)

BTEX by EPA 8260C

Benzene	3640	50.0	ug/L	50	B6J1106	10/11/2016	10/13/2016	
Toluene	41.5	4.00	"	4	"	"	10/13/2016	
Ethylbenzene	423	4.00	"	"	"	"	"	
Xylenes, total	217	4.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	10/12/2016	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-08
10/6/2016 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-09
10/6/2016 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-10
10/6/2016 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-11
10/6/2016 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-12
10/6/2016 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-13
10/6/2016 12:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-13 (Water)

BTEX by EPA 8260C

Benzene	32.9	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-14
10/6/2016 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X610073-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J1106	10/11/2016	10/12/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B6J1106 - EPA 5030B (Water)

Blank (B6J1106-BLK1)

Prepared: 10/11/2016 Analyzed: 10/12/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.9	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B6J1106 - EPA 5030B (Water)

LCS (B6J1106-BS1)

Prepared: 10/11/2016 Analyzed: 10/12/2016

Benzene	46.5	1.00	ug/L	50.0		93.1	73.3-129			
Toluene	47.7	1.00	"	50.0		95.3	76.2-123			
Ethylbenzene	46.3	1.00	"	50.0		92.6	73.6-130			
m,p-Xylene	93.4	2.00	"	100		93.4	76.1-126			
o-Xylene	47.1	1.00	"	50.0		94.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	66		"	62.5		105	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B6J1106 - EPA 5030B (Water)

Matrix Spike (B6J1106-MS1)	Source: X610068-01			Prepared: 10/11/2016 Analyzed: 10/12/2016						
Benzene	56.7	1.00	ug/L	50.0	ND	113	74-130			
Toluene	56.4	1.00	"	50.0	ND	113	73-131			
Ethylbenzene	56.1	1.00	"	50.0	ND	112	76-132			
m,p-Xylene	114	2.00	"	100	ND	114	69-139			
o-Xylene	55.1	1.00	"	50.0	ND	110	74-131			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.1	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B6J1106 - EPA 5030B (Water)

Matrix Spike Dup (B6J1106-MSD1)	Source: X610068-01			Prepared: 10/11/2016 Analyzed: 10/12/2016						
Benzene	60.4	1.00	ug/L	50.0	ND	121	74-130	6.37	20	
Toluene	61.6	1.00	"	50.0	ND	123	73-131	8.83	20	
Ethylbenzene	60.9	1.00	"	50.0	ND	122	76-132	8.24	20	
m,p-Xylene	123	2.00	"	100	ND	123	69-139	6.90	20	
o-Xylene	60.1	1.00	"	50.0	ND	120	74-131	8.59	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		96.9	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President



January 17, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. January 11, 2017. This project is associated with Origins project number X701108-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	X701108-01	Water	January 11, 2017 15:50	01/11/2017 16:35
MW-02	X701108-02	Water	January 11, 2017 13:55	01/11/2017 16:35
MW-03	X701108-03	Water	January 11, 2017 14:30	01/11/2017 16:35
MW-04	X701108-04	Water	January 11, 2017 15:00	01/11/2017 16:35
MW-05	X701108-05	Water	January 11, 2017 13:15	01/11/2017 16:35
MW-06	X701108-06	Water	January 11, 2017 15:20	01/11/2017 16:35
MW-07	X701108-07	Water	January 11, 2017 15:30	01/11/2017 16:35
MW-08	X701108-08	Water	January 11, 2017 12:20	01/11/2017 16:35
MW-09	X701108-09	Water	January 11, 2017 12:30	01/11/2017 16:35
MW-10	X701108-10	Water	January 11, 2017 12:45	01/11/2017 16:35
MW-11	X701108-11	Water	January 11, 2017 13:30	01/11/2017 16:35
MW-12	X701108-12	Water	January 11, 2017 13:45	01/11/2017 16:35
MW-13	X701108-13	Water	January 11, 2017 14:10	01/11/2017 16:35
MW-14	X701108-14	Water	January 11, 2017 12:55	01/11/2017 16:35

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X701108 Client: Eagle Env
 Client Project ID: Custy #1
 Checklist Completed by: J-P Smith Shipped Via: HD
 Date/time completed: 1-13-12 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1/3.1 °C 1 °C 1 °C (Describe)
 Thermometer ID: TC03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	✓			
Is there ice present (document if blue ice is used)	✓			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		✓		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		✓		
Were all samples received intact ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		✓		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		✓		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	✓			HCL
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-01
1/11/2017 3:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-01 (Water)

BTEX by EPA 8260C

Benzene	99.0	10.0	ug/L	10	B7A1205	01/12/2017	01/12/2017	
Toluene	ND	10.0	"	"	"	"	"	U
Ethylbenzene	13.8	10.0	"	"	"	"	"	
Xylenes, total	ND	10.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-02
1/11/2017 1:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-03
1/11/2017 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-04
1/11/2017 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	35.3	1.00	"	"	"	"	"	
Xylenes, total	23.7	1.00	"	"	"	"	"	
<hr/>								
Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-05
1/11/2017 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-06
1/11/2017 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-06 (Water)

BTEX by EPA 8260C

Benzene	40.5	4.00	ug/L	4	B7A1205	01/12/2017	01/12/2017	
Toluene	ND	4.00	"	"	"	"	"	U
Ethylbenzene	ND	4.00	"	"	"	"	"	U
Xylenes, total	ND	4.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-07
1/11/2017 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-07 (Water)

BTEX by EPA 8260C

Benzene	1420	20.0	ug/L	20	B7A1205	01/12/2017	01/12/2017	
Toluene	ND	20.0	"	"	"	"	"	U
Ethylbenzene	327	20.0	"	"	"	"	"	
Xylenes, total	ND	20.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-08
1/11/2017 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-09
1/11/2017 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.4 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-10
1/11/2017 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-11
1/11/2017 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-12
1/11/2017 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-13
1/11/2017 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-13 (Water)

BTEX by EPA 8260C

Benzene	54.0	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-14
1/11/2017 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X701108-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1205	01/12/2017	01/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7A1205 - EPA 5030B (Water)

Blank (B7A1205-BLK1)

Prepared: 01/12/2017 Analyzed: 01/12/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.7		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7A1205 - EPA 5030B (Water)

LCS (B7A1205-BS1)

Prepared: 01/12/2017 Analyzed: 01/12/2017

Benzene	52.5	1.00	ug/L	50.0		105	73.3-129			
Toluene	52.5	1.00	"	50.0		105	76.2-123			
Ethylbenzene	53.4	1.00	"	50.0		107	73.6-130			
m,p-Xylene	103	2.00	"	100		103	76.1-126			
o-Xylene	49.2	1.00	"	50.0		98.5	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.4	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7A1205 - EPA 5030B (Water)

Matrix Spike (B7A1205-MS1)	Source: X701108-02			Prepared: 01/12/2017 Analyzed: 01/12/2017						
Benzene	61.9	1.00	ug/L	50.0	ND	124	74-130			
Toluene	58.6	1.00	"	50.0	ND	117	73-131			
Ethylbenzene	57.3	1.00	"	50.0	ND	115	76-132			
m,p-Xylene	112	2.00	"	100	ND	112	69-139			
o-Xylene	54.4	1.00	"	50.0	ND	109	74-131			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.2	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7A1205 - EPA 5030B (Water)

Matrix Spike Dup (B7A1205-MSD1)	Source: X701108-02			Prepared: 01/12/2017 Analyzed: 01/12/2017						
Benzene	56.1	1.00	ug/L	50.0	ND	112	74-130	9.83	20	
Toluene	54.4	1.00	"	50.0	ND	109	73-131	7.59	20	
Ethylbenzene	55.1	1.00	"	50.0	ND	110	76-132	3.88	20	
m,p-Xylene	107	2.00	"	100	ND	107	69-139	3.99	20	
o-Xylene	52.8	1.00	"	50.0	ND	106	74-131	2.89	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President



April 21, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. April 14, 2017. This project is associated with Origins project number Y704189-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y704189-01	Water	April 14, 2017 13:00	04/14/2017 13:50
MW-02	Y704189-02	Water	April 14, 2017 10:45	04/14/2017 13:50
MW-03	Y704189-03	Water	April 14, 2017 10:30	04/14/2017 13:50
MW-04	Y704189-04	Water	April 14, 2017 12:15	04/14/2017 13:50
MW-05	Y704189-05	Water	April 14, 2017 12:00	04/14/2017 13:50
MW-06	Y704189-06	Water	April 14, 2017 12:30	04/14/2017 13:50
MW-07	Y704189-07	Water	April 14, 2017 13:15	04/14/2017 13:50
MW-08	Y704189-08	Water	April 14, 2017 11:45	04/14/2017 13:50
MW-09	Y704189-09	Water	April 14, 2017 11:30	04/14/2017 13:50
MW-10	Y704189-10	Water	April 14, 2017 11:15	04/14/2017 13:50
MW-11	Y704189-11	Water	April 14, 2017 10:00	04/14/2017 13:50
MW-12	Y704189-12	Water	April 14, 2017 10:15	04/14/2017 13:50
MW-13	Y704189-13	Water	April 14, 2017 12:45	04/14/2017 13:50
MW-14	Y704189-14	Water	April 14, 2017 11:00	04/14/2017 13:50

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

www.originslaboratory.com
 page 1 of 2

ORIGINS
 LABORATORY, INC

Client: EAGLE ENV CONSULTING
 Address: 4101 INCA ST
DENVER, CO
 Telephone Number: 303 433 0479
 Email Address: MCE@eagle-enviro.com

Project Manager: MARTIN ECKERT III
 Project Name: CUSTY #1
 Project Number: _____
 Samples Collected By: ME

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #			Other	
MU-01	4/11/17	1300	3	X				X						
MU-02		1045												
MU-03		1030												
MU-04		1215												
MU-05		1200												
MU-06		1230												
MU-07		1315												
MU-08		1145												
MU-09		1150												
MU-10		1115												
Relinquished By: <u>[Signature]</u>	Date: <u>4/11/17</u>	Time: <u>1350</u>	Received By: <u>[Signature]</u>	Date: <u>4-11-17</u>	Time: <u>1350</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard								
Relinquished By:	Date:	Time:	Received By:	Date:	Time:									

Temp Received: 34°C Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4704189

Client: Eagle Env

Client Project ID: Custy #1

Checklist Completed by: [Signature]

Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4-17-17 1310

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1 / 3.5 °C / _____ °C / _____ °C (Describe)

Thermometer ID: TU3

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with Na ₂ SO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 4-17-17 1310

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-01
4/14/2017 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-01 (Water)

BTEX by EPA 8260C

Benzene	35.0	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	5.92	1.00	"	"	"	"	"	
Xylenes, total	4.12	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-02

4/14/2017 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-03

4/14/2017 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	110 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-04

4/14/2017 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	21.3	1.00	"	"	"	"	"	
Xylenes, total	2.55	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	107 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-05

4/14/2017 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	88.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-06

4/14/2017 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-06 (Water)

BTEX by EPA 8260C

Benzene	76.4	1.00	ug/L	1	B7D2005	04/20/2017	04/20/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	86.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-07
4/14/2017 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-07 (Water)

BTEX by EPA 8260C

Benzene	533	10.0	ug/L	10	B7D2005	04/20/2017	04/20/2017	
Toluene	ND	10.0	"	"	"	"	"	U
Ethylbenzene	133	10.0	"	"	"	"	"	
Xylenes, total	ND	10.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	85.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-08

4/14/2017 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	91.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-09

4/14/2017 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	92.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-10
4/14/2017 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/20/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	93.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-11
4/14/2017 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	93.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-12
4/14/2017 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.6 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-13

4/14/2017 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-13 (Water)

BTEX by EPA 8260C

Benzene	47.0	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	92.9 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-14

4/14/2017 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y704189-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D2005	04/20/2017	04/21/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	92.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

Blank (B7D2005-BLK1)

Prepared: 04/20/2017 Analyzed: 04/21/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	57		"	62.5		91.4	84-121			
<i>Surrogate: Toluene-d8</i>	63		"	62.5		100	85-115			
<i>Surrogate: 4-Bromofluorobenzene</i>	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

Blank (B7D2005-BLK2)

Prepared: 04/20/2017 Analyzed: 04/21/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5	109		84-121			
Surrogate: Toluene-d8	64		"	62.5	102		85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5	104		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

LCS (B7D2005-BS1)

Prepared: 04/20/2017 Analyzed: 04/21/2017

Benzene	50.5	1.00	ug/L	50.0		101	73.3-129			
Toluene	52.8	1.00	"	50.0		106	76.2-123			
Ethylbenzene	55.7	1.00	"	50.0		111	73.6-130			
m,p-Xylene	114	2.00	"	100		114	76.1-126			
o-Xylene	57.4	1.00	"	50.0		115	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		87.0	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

LCS (B7D2005-BS2)

Prepared: 04/20/2017 Analyzed: 04/21/2017

Benzene	42.9	1.00	ug/L	50.0		85.8	73.3-129			
Toluene	44.6	1.00	"	50.0		89.2	76.2-123			
Ethylbenzene	48.4	1.00	"	50.0		96.8	73.6-130			
m,p-Xylene	99.1	2.00	"	100		99.1	76.1-126			
o-Xylene	49.0	1.00	"	50.0		98.1	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

Matrix Spike (B7D2005-MS1)	Source: Y704187-01			Prepared: 04/20/2017 Analyzed: 04/21/2017						
Benzene	51.5	1.00	ug/L	50.0	ND	103	74-130			
Toluene	54.2	1.00	"	50.0	ND	108	73-131			
Ethylbenzene	56.2	1.00	"	50.0	ND	112	76-132			
m,p-Xylene	115	2.00	"	100	ND	115	69-139			
o-Xylene	56.9	1.00	"	50.0	ND	114	74-131			
Surrogate: 1,2-Dichloroethane-d4	53		"	62.5		84.4	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

Matrix Spike (B7D2005-MS2)	Source: Y704187-04			Prepared: 04/20/2017 Analyzed: 04/21/2017						
Benzene	52.0	1.00	ug/L	50.0	ND	104	74-130			
Toluene	54.5	1.00	"	50.0	ND	109	73-131			
Ethylbenzene	55.9	1.00	"	50.0	ND	112	76-132			
m,p-Xylene	113	2.00	"	100	ND	113	69-139			
o-Xylene	56.9	1.00	"	50.0	ND	114	74-131			
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		90.5	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

Matrix Spike Dup (B7D2005-MSD1)	Source: Y704187-01			Prepared: 04/20/2017 Analyzed: 04/21/2017						
Benzene	52.6	1.00	ug/L	50.0	ND	105	74-130	2.21	20	
Toluene	54.8	1.00	"	50.0	ND	110	73-131	0.991	20	
Ethylbenzene	55.2	1.00	"	50.0	ND	110	76-132	1.85	20	
m,p-Xylene	113	2.00	"	100	ND	113	69-139	1.04	20	
o-Xylene	55.6	1.00	"	50.0	ND	111	74-131	2.29	20	
Surrogate: 1,2-Dichloroethane-d4	51		"	62.5		82.0	84-121			
Surrogate: Toluene-d8	65		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7D2005 - EPA 5030B (Water)

Matrix Spike Dup (B7D2005-MSD2)	Source: Y704187-04			Prepared: 04/20/2017 Analyzed: 04/21/2017						
Benzene	51.9	1.00	ug/L	50.0	ND	104	74-130	0.270	20	
Toluene	53.3	1.00	"	50.0	ND	107	73-131	2.13	20	
Ethylbenzene	54.4	1.00	"	50.0	ND	109	76-132	2.56	20	
m,p-Xylene	110	2.00	"	100	ND	110	69-139	2.95	20	
o-Xylene	55.4	1.00	"	50.0	ND	111	74-131	2.74	20	
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		90.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

June 29, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. June 26, 2017. This project is associated with Origins project number Y706337-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-01@7.5-8'	Y706337-01	Soil	June 26, 2017 14:00	06/26/2017 16:00
SB-02@7-7.5'	Y706337-02	Soil	June 26, 2017 14:05	06/26/2017 16:00
SB-03@7.5-8'	Y706337-03	Soil	June 26, 2017 14:10	06/26/2017 16:00
SB-04@7.5-8'	Y706337-04	Soil	June 26, 2017 14:15	06/26/2017 16:00
SB-05@7.5-8'	Y706337-05	Soil	June 26, 2017 15:00	06/26/2017 16:00

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1706357

Client: Eagle Env

Client Project ID: Custy #1

Checklist Completed by: DL

Shipped Via: HL
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 6-26-12 1601

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____ (Describe)

Cooler Number/Temperature: 1 / 24 °C 1 °C 1 °C 1 °C

Thermometer ID: 123

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄ / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 6/27/12

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-01@7.5-8'
6/26/2017 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706337-01 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7F2704	06/27/2017	06/27/2017	U
Surrogate: o-Terphenyl	108 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	4.35	0.200	mg/kg	1	B7F2703	06/27/2017	06/27/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-02@7-7.5'
6/26/2017 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706337-02 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7F2704	06/27/2017	06/27/2017	U
<i>Surrogate: o-Terphenyl</i>	98.4 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7F2703	06/27/2017	06/27/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	107 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	94.6 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	94.4 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-03@7.5-8'
6/26/2017 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706337-03 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7F2704	06/27/2017	06/27/2017	U
Surrogate: o-Terphenyl	103 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	4.03	0.200	mg/kg	1	B7F2703	06/27/2017	06/27/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.1 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-04@7.5-8'
6/26/2017 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706337-04 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	3120	50.0	mg/kg	1	B7F2704	06/27/2017	06/27/2017	
Surrogate: o-Terphenyl	128 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	1200	50.0	mg/kg	250	B7F2703	06/27/2017	06/27/2017	
Benzene	2.10	0.050	"	25	"	"	06/27/2017	
Toluene	0.063	0.050	"	"	"	"	"	
Ethylbenzene	8.06	0.050	"	"	"	"	"	
Xylenes, total	ND	0.050	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	87.5 %	70-130			"	"	06/27/2017	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-05@7.5-8'
6/26/2017 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y706337-05 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7F2704	06/27/2017	06/28/2017	U
Surrogate: o-Terphenyl	88.6 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	44.3	5.00	mg/kg	25	B7F2703	06/27/2017	06/27/2017	
Benzene	0.230	0.050	"	"	"	"	"	
Toluene	0.400	0.050	"	"	"	"	"	
Ethylbenzene	0.234	0.050	"	"	"	"	"	
Xylenes, total	3.70	0.050	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130			"	"	"	
Surrogate: Toluene-d8	95.6 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.9 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7F2703 - EPA 5030 (soil)										
Blank (B7F2703-BLK1)										
					Prepared: 06/27/2017 Analyzed: 06/27/2017					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.0	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7F2703 - EPA 5030 (soil)										
Blank (B7F2703-BLK2)										
					Prepared: 06/27/2017 Analyzed: 06/27/2017					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	61		"	62.5		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.4	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2703 - EPA 5030 (soil)

LCS (B7F2703-BS1)

Prepared: 06/27/2017 Analyzed: 06/27/2017

Benzene	0.105	0.002	mg/kg	0.100		105	77.1-124			
Toluene	0.104	0.002	"	0.100		104	74.5-128			
Ethylbenzene	0.106	0.002	"	0.100		106	66.4-127			
m,p-Xylene	0.204	0.004	"	0.200		102	76.6-124			
o-Xylene	0.099	0.002	"	0.100		99.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	58		ug/kg	62.5		93.4	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.0	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2703 - EPA 5030 (soil)

LCS (B7F2703-BS2)

Prepared: 06/27/2017 Analyzed: 06/27/2017

Benzene	0.099	0.002	mg/kg	0.100		99.3	77.1-124			
Toluene	0.097	0.002	"	0.100		96.8	74.5-128			
Ethylbenzene	0.095	0.002	"	0.100		94.9	66.4-127			
m,p-Xylene	0.184	0.004	"	0.200		92.1	76.6-124			
o-Xylene	0.091	0.002	"	0.100		91.1	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.5	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.9	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7F2703 - EPA 5030 (soil)

Matrix Spike (B7F2703-MS1)	Source: Y706337-02			Prepared: 06/27/2017 Analyzed: 06/27/2017						
Benzene	0.098	0.002	mg/kg	0.100	ND	98.0	71.8-126			
Toluene	0.096	0.002	"	0.100	ND	96.0	65.1-130			
Ethylbenzene	0.098	0.002	"	0.100	ND	97.7	62.2-130			
m,p-Xylene	0.186	0.004	"	0.200	ND	93.2	46.5-137			
o-Xylene	0.092	0.002	"	0.100	ND	92.3	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.2	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.7	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2703 - EPA 5030 (soil)

Matrix Spike (B7F2703-MS2)	Source: Y706350-05			Prepared: 06/27/2017 Analyzed: 06/27/2017						
Benzene	0.097	0.002	mg/kg	0.100	ND	97.4	71.8-126			
Toluene	0.090	0.002	"	0.100	ND	90.4	65.1-130			
Ethylbenzene	0.087	0.002	"	0.100	ND	86.8	62.2-130			
m,p-Xylene	0.165	0.004	"	0.200	ND	82.5	46.5-137			
o-Xylene	0.083	0.002	"	0.100	ND	82.8	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		106	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2703 - EPA 5030 (soil)

Matrix Spike Dup (B7F2703-MSD1)	Source: Y706337-02			Prepared: 06/27/2017 Analyzed: 06/27/2017						
Benzene	0.102	0.002	mg/kg	0.100	ND	102	71.8-126	3.94	11.3	
Toluene	0.100	0.002	"	0.100	ND	99.5	65.1-130	3.60	15.4	
Ethylbenzene	0.098	0.002	"	0.100	ND	97.5	62.2-130	0.246	19.6	
m,p-Xylene	0.188	0.004	"	0.200	ND	94.0	46.5-137	0.844	19.2	
o-Xylene	0.094	0.002	"	0.100	ND	93.9	54.2-134	1.65	17.9	
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.4	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.2	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2703 - EPA 5030 (soil)

Matrix Spike Dup (B7F2703-MSD2)	Source: Y706350-05			Prepared: 06/27/2017 Analyzed: 06/27/2017						
Benzene	0.093	0.002	mg/kg	0.100	ND	92.5	71.8-126	5.10	11.3	
Toluene	0.086	0.002	"	0.100	ND	86.1	65.1-130	4.83	15.4	
Ethylbenzene	0.078	0.002	"	0.100	ND	77.7	62.2-130	11.1	19.6	
m,p-Xylene	0.149	0.004	"	0.200	ND	74.3	46.5-137	10.5	19.2	
o-Xylene	0.074	0.002	"	0.100	ND	74.1	54.2-134	11.1	17.9	
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.5	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.9	70-130			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2704 - EPA 3550B

Blank (B7F2704-BLK1)

Prepared: 06/27/2017 Analyzed: 06/27/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

52	"	50.0		104	59-131
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Blank (B7F2704-BLK2)

Prepared: 06/27/2017 Analyzed: 06/27/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

56	"	50.0		112	59-131
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LCS (B7F2704-BS1)

Prepared: 06/27/2017 Analyzed: 06/27/2017

Diesel (C10-C28)	1050	50.0	mg/kg	1000	105	64-121
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Surrogate: o-Terphenyl

57	"	50.0		115	59-131
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LCS (B7F2704-BS2)

Prepared: 06/27/2017 Analyzed: 06/28/2017

Diesel (C10-C28)	1050	50.0	mg/kg	1000	105	64-121
------------------	------	------	-------	------	-----	--------

Surrogate: o-Terphenyl

55	"	50.0		110	59-131
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Matrix Spike (B7F2704-MS1)

Source: Y706337-02

Prepared: 06/27/2017 Analyzed: 06/27/2017

Diesel (C10-C28)	1120	50.0	mg/kg	1000	13.8	110	53-125
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Surrogate: o-Terphenyl

61	"	50.0		123	59-131
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Matrix Spike (B7F2704-MS2)

Source: Y706350-05

Prepared: 06/27/2017 Analyzed: 06/28/2017

Diesel (C10-C28)	1000	50.0	mg/kg	1000	23.8	97.9	53-125
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Surrogate: o-Terphenyl

51	"	50.0		101	59-131
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Extractable Petroleum Hydrocarbons by 8015C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7F2704 - EPA 3550B

Matrix Spike Dup (B7F2704-MSD1)		Source: Y706337-02			Prepared: 06/27/2017 Analyzed: 06/27/2017					
Diesel (C10-C28)	1040	50.0	mg/kg	1000	13.8	103	53-125	6.72	20	
Surrogate: o-Terphenyl	57		"	50.0		114	59-131			
Matrix Spike Dup (B7F2704-MSD2)		Source: Y706350-05			Prepared: 06/27/2017 Analyzed: 06/28/2017					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	23.8	100	53-125	2.01	20	
Surrogate: o-Terphenyl	56		"	50.0		112	59-131			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President



July 11, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. July 03, 2017. This project is associated with Origins project number Y707024-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y707024-01	Water	July 3, 2017 13:15	07/03/2017 14:35
MW-02	Y707024-02	Water	July 3, 2017 12:45	07/03/2017 14:35
MW-03	Y707024-03	Water	July 3, 2017 12:15	07/03/2017 14:35
MW-04	Y707024-04	Water	July 3, 2017 13:00	07/03/2017 14:35
MW-05	Y707024-05	Water	July 3, 2017 12:30	07/03/2017 14:35
MW-07	Y707024-06	Water	July 3, 2017 13:45	07/03/2017 14:35
MW-08	Y707024-07	Water	July 3, 2017 11:30	07/03/2017 14:35
MW-09	Y707024-08	Water	July 3, 2017 11:15	07/03/2017 14:35
MW-11	Y707024-09	Water	July 3, 2017 11:45	07/03/2017 14:35
MW-12	Y707024-10	Water	July 3, 2017 12:00	07/03/2017 14:35
MW-13	Y707024-11	Water	July 3, 2017 13:30	07/03/2017 14:35
MW-14	Y707024-12	Water	July 3, 2017 11:00	07/03/2017 14:35

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

www.originslaboratory.com

420101

page 1 of 2

ORIGINS
 LABORATORY, INC

Client: EB&E ENV CONSULTING
 Address: 411 18th St
Denver, CO
 Telephone Number: 303 433 0479
 Email Address: MCE@eagle-env.com

Project Manager: MARTIN ECKERT III
 Project Name: CUSTY #1
 Project Number: _____
 Samples Collected By: HL

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other		
M12-01	7/3/17	1315	3	X				X				BTEX	1
M12-02		1245											2
M12-03		1215											3
M12-04		1300											4
M12-05		1250											5
M12-07		1345											6
M12-08		1130											7
M12-09		1115											8
M12-11		1145											9
M12-12		1200											10
Relinquished By:	Date:	Time:	# of Containers:	Unpreserved:	HCl:	HNO ₃ :	Other:	Groundwater:	Soil:	Air Summa #:	Other:	Analysis:	Sample Instructions:
<i>[Signature]</i>	7/3/17	1435	3	X				X					
Relinquished By:	Date:	Time:	Received By:	Received By:	Date:	Time:	Turnaround Time:						
<i>[Signature]</i>			<i>[Signature]</i>	<i>[Signature]</i>	7-3-17	1435	Standard						

Temp Received: 99°C Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4702024

Client: Eagle Env.

Client Project ID: Custy #1

Checklist Completed by: DLH

Shipped Via: HL
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 7-3-11 1523

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1 / 9.9 °C / _____ °C / _____ °C (Describe) / _____ °C

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>sampled same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

MP
 Reviewed by (Project Manager)

7/5/11
 Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-01
7/3/2017 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-01 (Water)

BTEX by EPA 8260C

Benzene	7.38	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.04	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-02
7/3/2017 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y707024-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-03
7/3/2017 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-04
7/3/2017 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.87	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-05
7/3/2017 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-07
7/3/2017 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-06 (Water)

BTEX by EPA 8260C

Benzene	788	10.0	ug/L	10	B7G0703	07/07/2017	07/11/2017	
Toluene	ND	1.00	"	1	"	"	07/10/2017	U
Ethylbenzene	137	1.00	"	"	"	"	"	
Xylenes, total	5.97	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	87.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-08
7/3/2017 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	96.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-09
7/3/2017 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	98.5 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-11
7/3/2017 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-12
7/3/2017 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	107 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-13
7/3/2017 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-11 (Water)

BTEX by EPA 8260C

Benzene	165	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

MW-14
7/3/2017 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707024-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G0703	07/07/2017	07/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G0703 - EPA 5030B (Water)

Blank (B7G0703-BLK1)

Prepared: 07/07/2017 Analyzed: 07/10/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5	94.2		84-121			
Surrogate: Toluene-d8	65		"	62.5	105		85-115			
Surrogate: 4-Bromofluorobenzene	58		"	62.5	92.6		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G0703 - EPA 5030B (Water)

LCS (B7G0703-BS1)

Prepared: 07/07/2017 Analyzed: 07/10/2017

Benzene	46.9	1.00	ug/L	50.0		93.8	73.3-129			
Toluene	47.4	1.00	"	50.0		94.9	76.2-123			
Ethylbenzene	44.7	1.00	"	50.0		89.4	73.6-130			
m,p-Xylene	94.8	2.00	"	100		94.8	76.1-126			
o-Xylene	45.4	1.00	"	50.0		90.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G0703 - EPA 5030B (Water)

Matrix Spike (B7G0703-MS1)	Source: Y707023-01			Prepared: 07/07/2017 Analyzed: 07/10/2017						
Benzene	51.4	1.00	ug/L	50.0	ND	103	74-130			
Toluene	52.0	1.00	"	50.0	ND	104	73-131			
Ethylbenzene	48.4	1.00	"	50.0	ND	96.8	76-132			
m,p-Xylene	103	2.00	"	100	ND	103	69-139			
o-Xylene	48.1	1.00	"	50.0	ND	96.2	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G0703 - EPA 5030B (Water)

Matrix Spike Dup (B7G0703-MSD1)	Source: Y707023-01			Prepared: 07/07/2017 Analyzed: 07/10/2017						
Benzene	52.8	1.00	ug/L	50.0	ND	106	74-130	2.75	20	
Toluene	53.8	1.00	"	50.0	ND	108	73-131	3.50	20	
Ethylbenzene	50.9	1.00	"	50.0	ND	102	76-132	5.03	20	
m,p-Xylene	110	2.00	"	100	ND	110	69-139	6.54	20	
o-Xylene	51.8	1.00	"	50.0	ND	104	74-131	7.37	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.7	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President



July 13, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. July 07, 2017. This project is associated with Origins project number Y707076-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-06@7.5-8.0'	Y707076-01	Soil	July 6, 2017 13:30	07/07/2017 15:03
SB-07@7.5-8.0'	Y707076-02	Soil	July 6, 2017 14:45	07/07/2017 15:03
SB-08@7.5-8.0'	Y707076-03	Soil	July 6, 2017 16:55	07/07/2017 15:03
SB-09@7.5-8.0'	Y707076-04	Soil	July 6, 2017 15:55	07/07/2017 15:03
SB-10@7.5-8.0'	Y707076-05	Soil	July 6, 2017 17:55	07/07/2017 15:03

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

www.originslaboratory.com

7707076 page 1 of 1

ORIGINS
 LABORATORY, INC

Client: Eagle Environmental Consulting, Inc
 Address: 4101 Inca St
 Telephone Number: Denver, CO 80211 303 433 6474
 Email Address: mic3@eagle-enviro.com

Project Manager: Martin Eckert III
 Project Name: Custy #1
 Project Number: JS
 Samples Collected By: JS

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions			
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	TRH-DRO		TRH-GRO	STEX	
SB-06 @ 7.5-80'	7/6/17	1330	2	X					X				X	X	X	
SB-07 @ 7.5-80'		1445														
SB-08 @ 7.5-80'		1655														
SB-09 @ 7.5-80'		1555														
SB-10 @ 7.5-80'		1755														
Relinquished By:	Date:	Time:	# of Containers:	Unpreserved:	HCl:	HNO ₃ :	Other:	Groundwater:	Soil:	Air Summa #:	Other:	TRH-DRO:	TRH-GRO:	STEX:	Sample Instructions:	Turnaround Time:
	7/7/17	1503	2	X					X							Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>
Relinquished By:	Date:	Time:	# of Containers:	Unpreserved:	HCl:	HNO ₃ :	Other:	Groundwater:	Soil:	Air Summa #:	Other:	TRH-DRO:	TRH-GRO:	STEX:	Sample Instructions:	Turnaround Time:
	7-7-17	1503	2	X					X							Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>

Temp Received: 4.1°C Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 770276 Client: Eagle Env.
 Checklist Completed by: [Signature] Client Project ID: Custy #1
 Date/time completed: 7-7-17 1544 Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA
 Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____
 Cooler Number/Temperature: 1 4.1 °C / _____ °C / _____ °C (Describe) / _____ °C
 Thermometer ID: 204

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by [Signature] (Project Manager) Date/Time Reviewed 7/10/17

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-06@7.5-8.0'
7/6/2017 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707076-01 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7G1204	07/12/2017	07/12/2017	U
<i>Surrogate: o-Terphenyl</i>	78.4 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	24.6	5.00	mg/kg	25	B7G1106	07/11/2017	07/11/2017	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.507	0.050	"	"	"	"	"	
Xylenes, total	0.974	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.1 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.0 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.6 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-07@7.5-8.0'
7/6/2017 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707076-02 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7G1204	07/12/2017	07/12/2017	U
<i>Surrogate: o-Terphenyl</i>	79.9 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B7G1106	07/11/2017	07/12/2017	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	100 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	95.7 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	96.3 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-08@7.5-8.0'
7/6/2017 4:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707076-03 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7G1204	07/12/2017	07/12/2017	U
<i>Surrogate: o-Terphenyl</i>	81.8 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	8.98	5.00	mg/kg	25	B7G1106	07/11/2017	07/12/2017	
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.7 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	98.3 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.2 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-09@7.5-8.0'
7/6/2017 3:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707076-04 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7G1204	07/12/2017	07/12/2017	U
<i>Surrogate: o-Terphenyl</i>	73.2 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	27.0	5.00	mg/kg	25	B7G1106	07/11/2017	07/12/2017	
Benzene	0.060	0.050	"	"	"	"	"	
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	0.135	0.050	"	"	"	"	"	
Xylenes, total	0.325	0.050	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	99.8 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.5 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	100 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

SB-10@7.5-8.0'
7/6/2017 5:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y707076-05 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7G1204	07/12/2017	07/12/2017	U
Surrogate: o-Terphenyl	74.0 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B7G1106	07/11/2017	07/12/2017	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7G1106 - EPA 5030 (soil)

Blank (B7G1106-BLK1)

Prepared: 07/11/2017 Analyzed: 07/11/2017

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7G1106 - EPA 5030 (soil)

LCS (B7G1106-BS1)

Prepared: 07/11/2017 Analyzed: 07/11/2017

Benzene	0.103	0.002	mg/kg	0.100		103	77.1-124			
Toluene	0.100	0.002	"	0.100		100	74.5-128			
Ethylbenzene	0.097	0.002	"	0.100		97.2	66.4-127			
m,p-Xylene	0.202	0.004	"	0.200		101	76.6-124			
o-Xylene	0.103	0.002	"	0.100		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7G1106 - EPA 5030 (soil)

Matrix Spike (B7G1106-MS1)	Source: Y707113-01			Prepared: 07/11/2017 Analyzed: 07/11/2017						
Benzene	0.111	0.002	mg/kg	0.100	0.002	109	71.8-126			
Toluene	0.106	0.002	"	0.100	0.001	105	65.1-130			
Ethylbenzene	0.109	0.002	"	0.100	0.002	106	62.2-130			
m,p-Xylene	0.214	0.004	"	0.200	0.003	106	46.5-137			
o-Xylene	0.116	0.002	"	0.100	ND	116	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		106	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7G1106 - EPA 5030 (soil)

Matrix Spike Dup (B7G1106-MSD1)	Source: Y707113-01			Prepared: 07/11/2017 Analyzed: 07/11/2017						
Benzene	0.108	0.002	mg/kg	0.100	0.002	106	71.8-126	2.77	11.3	
Toluene	0.106	0.002	"	0.100	0.001	105	65.1-130	0.283	15.4	
Ethylbenzene	0.106	0.002	"	0.100	0.002	104	62.2-130	2.57	19.6	
m,p-Xylene	0.211	0.004	"	0.200	0.003	104	46.5-137	1.43	19.2	
o-Xylene	0.115	0.002	"	0.100	ND	115	54.2-134	1.04	17.9	
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7G1204 - EPA 3550B

Blank (B7G1204-BLK1)

Prepared: 07/12/2017 Analyzed: 07/12/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

49			"	50.0		97.9	59-131			
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LCS (B7G1204-BS1)

Prepared: 07/12/2017 Analyzed: 07/12/2017

Diesel (C10-C28)	1090	50.0	mg/kg	1000		109	64-121			
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Surrogate: o-Terphenyl

53			"	50.0		106	59-131			
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Matrix Spike (B7G1204-MS1)

Source: Y707121-01

Prepared: 07/12/2017 Analyzed: 07/12/2017

Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	53-125			
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Surrogate: o-Terphenyl

50			"	50.0		99.9	59-131			
----	--	--	---	------	--	------	--------	--	--	--

Matrix Spike Dup (B7G1204-MSD1)

Source: Y707121-01

Prepared: 07/12/2017 Analyzed: 07/12/2017

Diesel (C10-C28)	832	50.0	mg/kg	1000	ND	83.2	53-125	23.1	20	QR-02
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Surrogate: o-Terphenyl

39			"	50.0		77.1	59-131			
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

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.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President



August 17, 2017

Eagle Environmental Consulting, Inc.

Dan Coloccia

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. August 16, 2017. This project is associated with Origins project number Y708204-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Dan Coloccia
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
South Wall @ 9.5'	Y708204-01	Soil	August 16, 2017 16:15	08/16/2017 17:00
East Wall @ 9.5'	Y708204-02	Soil	August 16, 2017 16:20	08/16/2017 17:00
West Wall @ 9.5'	Y708204-03	Soil	August 16, 2017 16:07	08/16/2017 17:00
North Wall @ 9.5'	Y708204-04	Soil	August 16, 2017 16:10	08/16/2017 17:00
Floor @ 17'	Y708204-05	Soil	August 16, 2017 16:04	08/16/2017 17:00

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4708204

Client: Eagle Env.

Client Project ID: Custy #1

Checklist Completed by: DL

Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5-16-11 1727

Airbill #: 20

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 15.8 °C °C °C °C (Describe)

Thermometer ID: 7003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ^{(1)?} (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with Na ₂ SO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 5-16-11 1727

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

South Wall @ 9.5'
8/16/2017 4:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y708204-01 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	60.0	50.0	mg/kg	1	B7H1602	08/16/2017	08/16/2017	
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Surrogate: o-Terphenyl	81.5 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	0.546	0.200	mg/kg	1	B7H1601	"	08/16/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.002	0.002	"	"	"	"	"	
Xylenes, total	ND	0.002	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

East Wall @ 9.5'
8/16/2017 4:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y708204-02 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	63.5	50.0	mg/kg	1	B7H1602	08/16/2017	08/16/2017	
Surrogate: o-Terphenyl	83.5 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	5.00	mg/kg	25	B7H1601	"	08/16/2017	U
Benzene	ND	0.050	"	"	"	"	"	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	92.2 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

West Wall @ 9.5'
8/16/2017 4:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y708204-03 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7H1602	08/16/2017	08/16/2017	U
<i>Surrogate: o-Terphenyl</i>	83.2 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7H1601	"	08/16/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	114 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.4 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.3 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

North Wall @ 9.5'
8/16/2017 4:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y708204-04 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7H1602	08/16/2017	08/16/2017	U
<i>Surrogate: o-Terphenyl</i>	86.5 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	0.317	0.200	mg/kg	1	B7H1601	"	08/16/2017	
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	0.003	0.002	"	"	"	"	"	
Xylenes, total	0.005	0.002	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	108 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	105 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	97.5 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Floor @ 17'
8/16/2017 4:04:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y708204-05 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B7H1602	08/16/2017	08/16/2017	U
<i>Surrogate: o-Terphenyl</i>	86.6 %	59-131			"	"	"	

GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B7H1601	"	08/16/2017	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	115 %	70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.7 %	70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	95.9 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7H1601 - EPA 5030 (soil)

Blank (B7H1601-BLK1)

Prepared: 08/16/2017 Analyzed: 08/16/2017

Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7H1601 - EPA 5030 (soil)

LCS (B7H1601-BS1)

Prepared: 08/16/2017 Analyzed: 08/16/2017

Benzene	0.108	0.002	mg/kg	0.100		108	77.1-124			
Toluene	0.102	0.002	"	0.100		102	74.5-128			
Ethylbenzene	0.113	0.002	"	0.100		113	66.4-127			
m,p-Xylene	0.222	0.004	"	0.200		111	76.6-124			
o-Xylene	0.114	0.002	"	0.100		114	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7H1601 - EPA 5030 (soil)

Matrix Spike (B7H1601-MS1)	Source: Y708142-01			Prepared: 08/16/2017 Analyzed: 08/16/2017						
Benzene	0.105	0.002	mg/kg	0.100	ND	105	71.8-126			
Toluene	0.106	0.002	"	0.100	ND	106	65.1-130			
Ethylbenzene	0.111	0.002	"	0.100	0.001	110	62.2-130			
m,p-Xylene	0.219	0.004	"	0.200	ND	110	46.5-137			
o-Xylene	0.111	0.002	"	0.100	ND	111	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.4	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		102	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7H1601 - EPA 5030 (soil)

Matrix Spike Dup (B7H1601-MSD1)	Source: Y708142-01			Prepared: 08/16/2017 Analyzed: 08/16/2017						
Benzene	0.097	0.002	mg/kg	0.100	ND	96.8	71.8-126	8.19	11.3	
Toluene	0.096	0.002	"	0.100	ND	96.4	65.1-130	9.09	15.4	
Ethylbenzene	0.101	0.002	"	0.100	0.001	100	62.2-130	8.88	19.6	
m,p-Xylene	0.202	0.004	"	0.200	ND	101	46.5-137	8.07	19.2	
o-Xylene	0.104	0.002	"	0.100	ND	104	54.2-134	6.04	17.9	
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.5	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Dan Coloccia
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B7H1602 - EPA 3550B

Blank (B7H1602-BLK1)

Prepared: 08/16/2017 Analyzed: 08/16/2017

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

48			"	50.0		95.8	59-131			
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LCS (B7H1602-BS1)

Prepared: 08/16/2017 Analyzed: 08/16/2017

Diesel (C10-C28)	1120	50.0	mg/kg	1000		112	64-121			
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Surrogate: o-Terphenyl

53			"	50.0		105	59-131			
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Matrix Spike (B7H1602-MS1)

Source: Y708142-01

Prepared: 08/16/2017 Analyzed: 08/16/2017

Diesel (C10-C28)	1190	50.0	mg/kg	1000	ND	119	53-125			
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Surrogate: o-Terphenyl

55			"	50.0		111	59-131			
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Matrix Spike Dup (B7H1602-MSD1)

Source: Y708142-01

Prepared: 08/16/2017 Analyzed: 08/16/2017

Diesel (C10-C28)	1040	50.0	mg/kg	1000	ND	104	53-125	13.0	20	
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Surrogate: o-Terphenyl

48			"	50.0		96.9	59-131			
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Dan Coloccia
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

October 17, 2017

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

Project Name - Custy #1

Project Number - [none]

Attached are your analytical results for Custy #1 received by Origins Laboratory, Inc. October 10, 2017. This project is associated with Origins project number Y710132-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	Y710132-01	Water	October 10, 2017 10:40	10/10/2017 12:35
MW-02	Y710132-02	Water	October 10, 2017 9:35	10/10/2017 12:35
MW-03	Y710132-03	Water	October 10, 2017 9:30	10/10/2017 12:35
MW-04	Y710132-04	Water	October 10, 2017 9:20	10/10/2017 12:35
MW-05	Y710132-05	Water	October 10, 2017 9:45	10/10/2017 12:35
MW-06R	Y710132-06	Water	October 10, 2017 10:15	10/10/2017 12:35
MW-07R	Y710132-07	Water	October 10, 2017 10:20	10/10/2017 12:35
MW-08	Y710132-08	Water	October 10, 2017 9:55	10/10/2017 12:35
MW-09	Y710132-09	Water	October 10, 2017 10:00	10/10/2017 12:35
MW-13	Y710132-10	Water	October 10, 2017 10:30	10/10/2017 12:35
MW-14	Y710132-11	Water	October 10, 2017 10:10	10/10/2017 12:35

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Origins Laboratory

F-012207-01-R1
 Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1710132

Client: Eagle Env.

Client Project ID: Custy #1

Checklist Completed by: Don Lu

Shipped Via: HD
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10-10-17 12:40

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid Water Other: _____

Cooler Number/Temperature: 1 / 6.0 °C 1 / °C 1 / °C (Describe) 1 / °C

Thermometer ID: 203

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ^{(1)?} (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 10/11/17

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-01
10/10/2017 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-01 (Water)

BTEX by EPA 8260C

Benzene	52.0	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	4.12	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-02
10/10/2017 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-03
10/10/2017 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y710132-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-04
10/10/2017 9:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.68	1.00	"	"	"	"	"	
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-05
10/10/2017 9:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-06R
10/10/2017 10:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
<i>Surrogate: 1,2-Dichloroethane-d4</i>	101 %	84-121			"	"	"	
<i>Surrogate: Toluene-d8</i>	99.6 %	85-115			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-07R
10/10/2017 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-08
10/10/2017 9:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-09
10/10/2017 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-13
10/10/2017 10:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-10 (Water)

BTEX by EPA 8260C

Benzene	139	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

MW-14
10/10/2017 10:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y710132-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J1306	10/13/2017	10/13/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U
Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J1306 - EPA 5030B (Water)

Blank (B7J1306-BLK1)

Prepared: 10/13/2017 Analyzed: 10/13/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	103		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.2		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J1306 - EPA 5030B (Water)

LCS (B7J1306-BS1)

Prepared: 10/13/2017 Analyzed: 10/13/2017

Benzene	51.5	1.00	ug/L	50.0		103	73.3-129			
Toluene	51.3	1.00	"	50.0		103	76.2-123			
Ethylbenzene	51.7	1.00	"	50.0		103	73.6-130			
m,p-Xylene	104	2.00	"	100		104	76.1-126			
o-Xylene	51.7	1.00	"	50.0		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		108	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J1306 - EPA 5030B (Water)

Matrix Spike (B7J1306-MS1)	Source: Y710132-02			Prepared: 10/13/2017 Analyzed: 10/13/2017						
Benzene	63.2	1.00	ug/L	50.0	ND	126	74-130			
Toluene	61.6	1.00	"	50.0	ND	123	73-131			
Ethylbenzene	63.5	1.00	"	50.0	ND	127	76-132			
m,p-Xylene	128	2.00	"	100	ND	128	69-139			
o-Xylene	62.5	1.00	"	50.0	ND	125	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.8	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Custy #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J1306 - EPA 5030B (Water)

Matrix Spike Dup (B7J1306-MSD1)	Source: Y710132-02			Prepared: 10/13/2017 Analyzed: 10/13/2017						
Benzene	59.7	1.00	ug/L	50.0	ND	119	74-130	5.63	20	
Toluene	57.8	1.00	"	50.0	ND	116	73-131	6.28	20	
Ethylbenzene	60.0	1.00	"	50.0	ND	120	76-132	5.71	20	
m,p-Xylene	120	2.00	"	100	ND	120	69-139	6.63	20	
o-Xylene	57.3	1.00	"	50.0	ND	115	74-131	8.60	20	
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.9	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Custy #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

ATTACHMENT B

COGIS Lease Inspection Forms



LEASE INSPECTION FORM

Date 3/29/85

Operator ENERGY OIL

Field HOLSTER

Lease Name & No. CUSTY #2

County ADAMS

Tank Battery No. 25-66-L-15

Location _____
Legal Description _____

Type of Inspection PIT

Water Inflow _____ (Bbls. Per Day)

RESULTS OF INSPECTION

(Est. Pit Dimensions, CVD, Lined, Oil on Surface, etc.)
Type of Tank

SKIM TANK 1-300 BBL STEEL TANK

Pit No. 1 8' DIA X 5' DEEP, UNLINED, NO COVER, DRY W/
SNOW SKIFF

Pit No. 2 _____

Pit No. 3 _____

ADDITIONAL PITS _____

CONDITION OF LEASE (Describe - Oil CVD. or Sat. Gr., Any Leaking, Safety Conditions, Etc.)

RECOMMENDED ACTION (If Required) None

INSPECTOR JJK



99999999

NEW WELL

LEASE INSPECTION FORM

DATE 11-30-88 OPERATOR Plat Snyder FIELD Helster
 COUNTY Adams LEASE Custy LOCATION SW 15-25-66
 WELLS & STATUS 2 Pr 151
 CLASS 3-d LEASE SIGN: YES NO TANK ID: YES NO NA

Sign = Quince.

TYPE OF OBSERVED WATER DISPOSAL:

EVAP. PITS TANKS/TRUCKED INJECTED* NOT DETERMINED NA

ESTIMATED WATER PRODUCTION _____

BRADENHEAD PRESSURE 400 FLUID: NO YES TYPE _____

STOCK TANKS 2-300

EQUIPMENT gas lift, 2-HHT, g meter

SKIM TANK/PIT 10x10x2 Covered

PITS

CONDITION OF LEASE _____

RECOMMENDED ACTION _____

PIT PERMIT YES NO, LINER REQUIRED YES NO, TDS _____ ppm

REPORTED WATER PRODUCTION _____ BBLs/DAY LEASE NUMBER _____

*INJECTION FACILITY: NAME _____ LOCATION _____

NOTICE SENT YES NO DATE SENT _____ INSPECTOR [Signature]



00664923

(114107)



LEASE INSPECTION FORM

NEW WELL

Well Name: H/ Custer
 Operator: Snyder
 Location: SWSW 15-2566
 Field: Holster

API #: 05- -
 Permit #: _____
 County: Adams
 Inspector: Binkley

Well Status: PR SI TA AC *Forward to UIC

Date of Inspection: 3-27-91

CAPABLE OF PRODUCTION GIVEN EXISTING SURFACE EQUIPMENT: Y N

CHANGE IN WELL OR EQUIPMENT STATUS SINCE LAST INSPECTION: Y N pump J → GC

LEASE #: _____ MULTIPLE WELL LEASE: Y N MULTIPLE WELL T-B: Y N

API: 05- -	LEGAL:	WELL #:	STATUS:
API: 05- -	LEGAL:	WELL #:	STATUS:
API: 05- -	LEGAL:	WELL #:	STATUS:
API: 05- -	LEGAL:	WELL #:	STATUS:

LEASE SIGN: Y N * W/Load TANK ID: Y N NA * TANK BERM: Y N NA * Speeding

BRADENHEAD PRESSURE: _____ FLUID: Y N TYPE: _____
 TUBING PRESSURE: _____ TUBING-CASING PRESSURE: _____
 LIFT SYSTEM: NA FLOWING PUMP JACK GAS LIFT DOWNHOLE PUMP OTHER

PRODUCTION EQUIPMENT: STORAGE TANKS 1 300 BBLs _____ BBLs VERT H-T _____ HORIZ H-T
 SEP _____ GMR OTHER

PRODUCTION EQUIPMENT LOCATION:

OBSERVED METHOD OF WATER DISPOSAL: EVAP PIT _____ INJECTED* _____ TANKS/TRUCKED _____ UNKNOWN _____ NA _____

WELL CLASS 3- _____ WATER PROD: ESTIMATED _____ REPORTED _____ TDS _____

*INJECTION FACILITY NAME: _____ LOCATION: _____

COMMENTS:

DISPOSAL PITS: Y N PERMITTED: Y N * OIL ON PIT FLUID: Y N NA *
 COVERED: Y N LINED: Y N LINER REQUIRED: Y N *

DIMENSIONS:

LOCATION:

COMMENTS:

SKIM TANK/PIT: Y N TYPE: EARTH CONCRETE _____ METAL _____ WOOD _____

COVERED: Y N OIL ON PIT FLUID: Y N NA *

DIMENSIONS: 10 x 10

LOCATION:

COMMENTS:

COMMENTS:

RECOMMENDED ACTION:

*VIOLATIONS: Y N

NOTICE SENT: Y N

DATE: 3-21-91



<input checked="" type="checkbox"/> NOTICE OF UNSATISFACTORY INSPECTION <input type="checkbox"/> NOTICE OF SATISFACTORY INSPECTION		1120 Lincoln Street, Suite 801 Denver, CO 80203 (303)894-2100	
API No. 05-	001-08293	LEASE NAME:	Custy #1
LOCATION:	SWSW 15-25-66W	OPERATOR:	Thorofare Res
DATE:	6/12/97	INSPECTOR:	LAR
Insp. Type: PR	Insp. Status: PR	PA: Y N	Pass/Fail: P (F) Viol. (Y) N NOV: Y (N)

INSPECTION ITEM	COMMENTS	INPUT
Well ID Signs (Rule 210, 604.c(4))	Well sign not posted at well or battery	
Pits (Reserve/Production) (Rule 902, 903, 904, 905)	earthen pit - dry w/wire screen	
Fences (Rule 603.b.7, 604.C.(3), 1002.A)	tank battery fenced	
Tank Battery Equipment (Rule 603.b.3, 604)	(1) 300 bbl prod tank (1) GMR (1) Horiz H-T	
Fire Walls/Berms/Dikes (Rule 603.b.12, 604)	tank berm appears adequate	
General Housekeeping (Rule 603)	Weeds overgrown inside tank berm, around treater & GMR	
Spills (Oil/Water) (Rule 907)	oil saturated soil inside tank berm	
Bradenhead (Rule 207.b)		
Drilling Well/Workover (Rule 317)		
Surface Rehabilitation (Rule 1002, 1003, 1004, 1103)		
Miscellaneous		

CORRECTIVE ACTION REQUIRED: Post well sign at well or battery, remove weeds as noted above and clean up saturated soil inside tank berm

Date Corrective Action Required By: 7/12/97 Date Remedied:

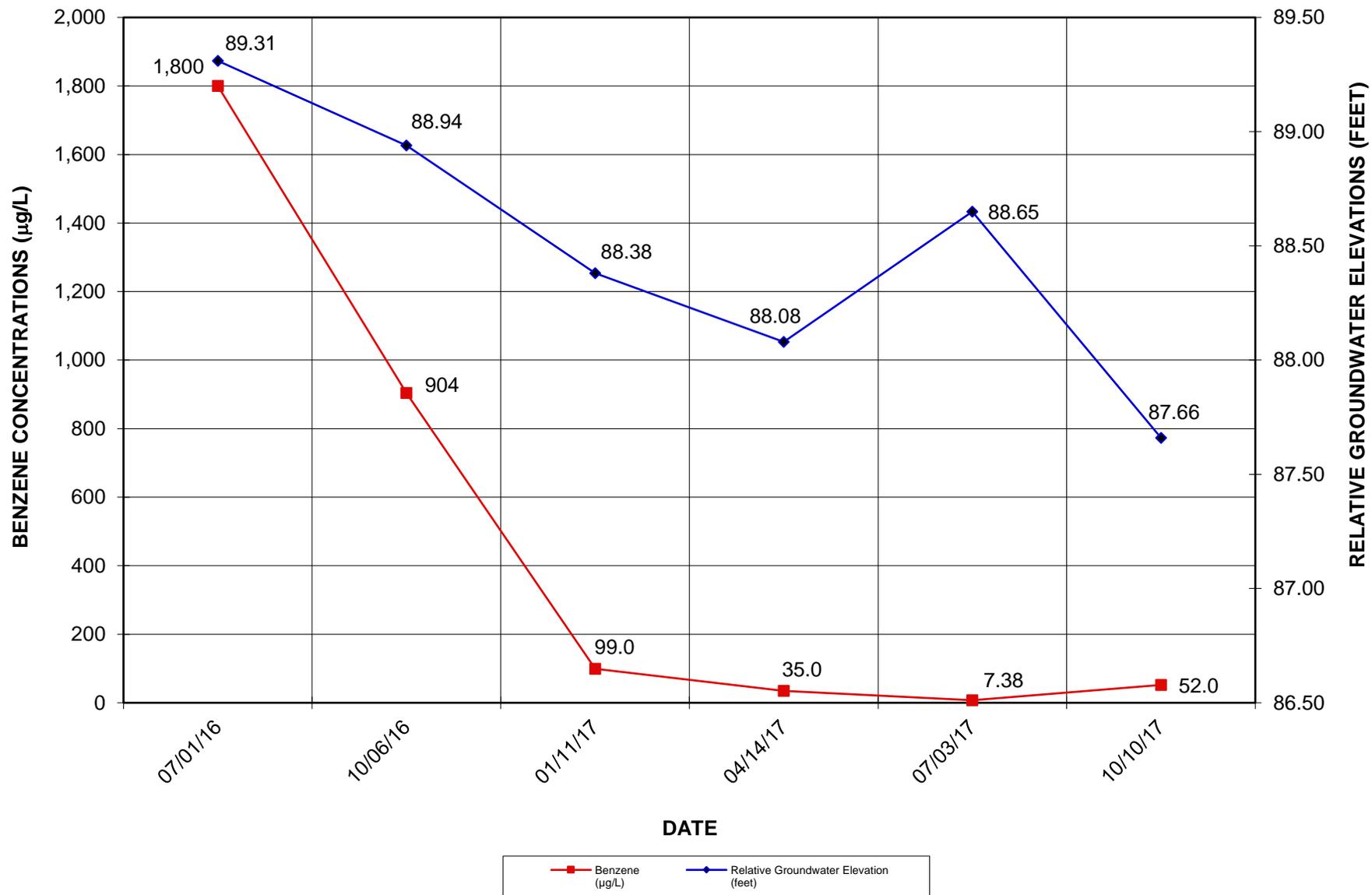
This report is a Notice of Inspection. The Commission requires that you correct any deficiencies shown on this report in a timely manner. Failure to comply may result in enforcement action by the Commission.



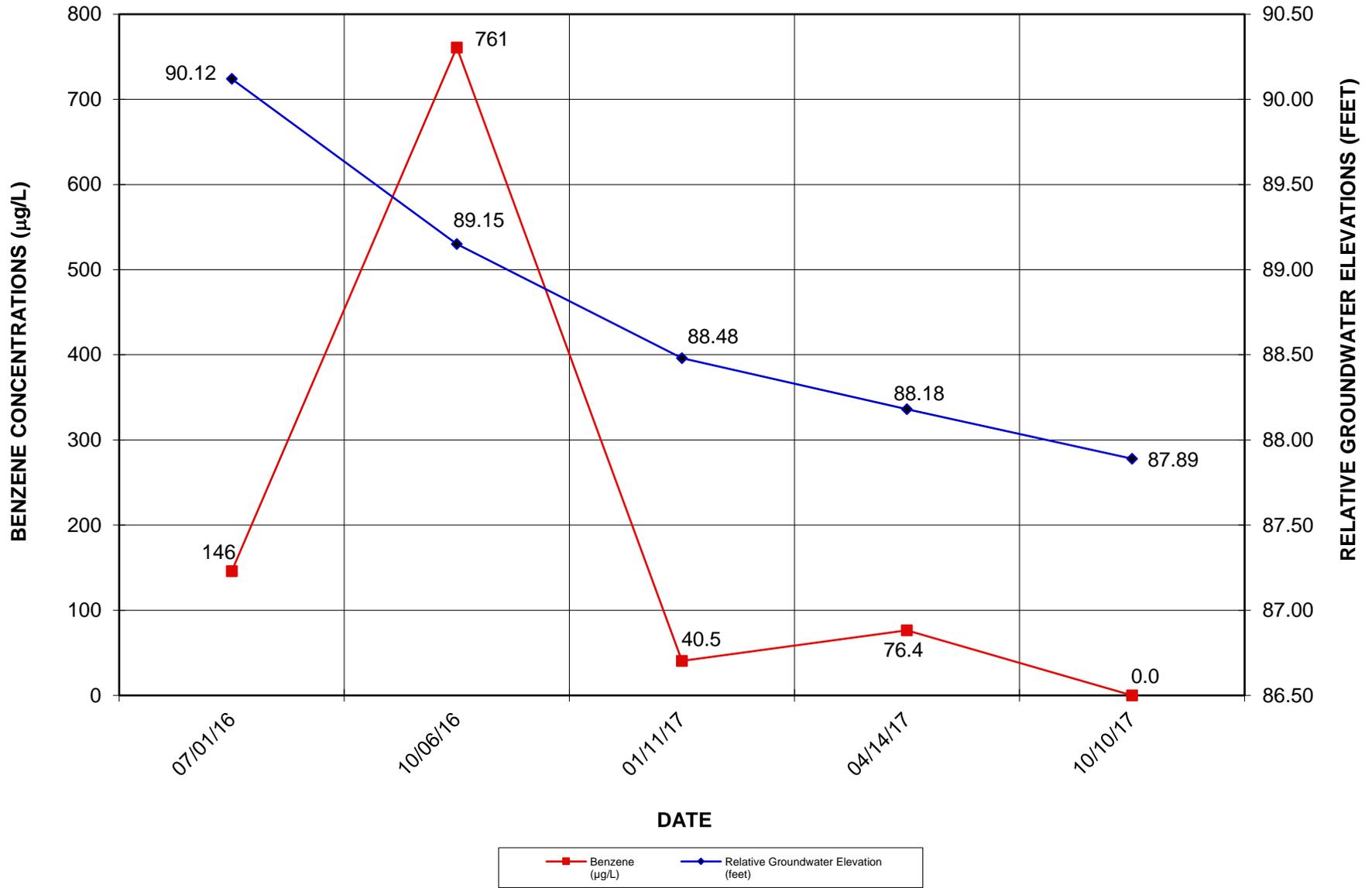
ATTACHMENT C

Hydrographs

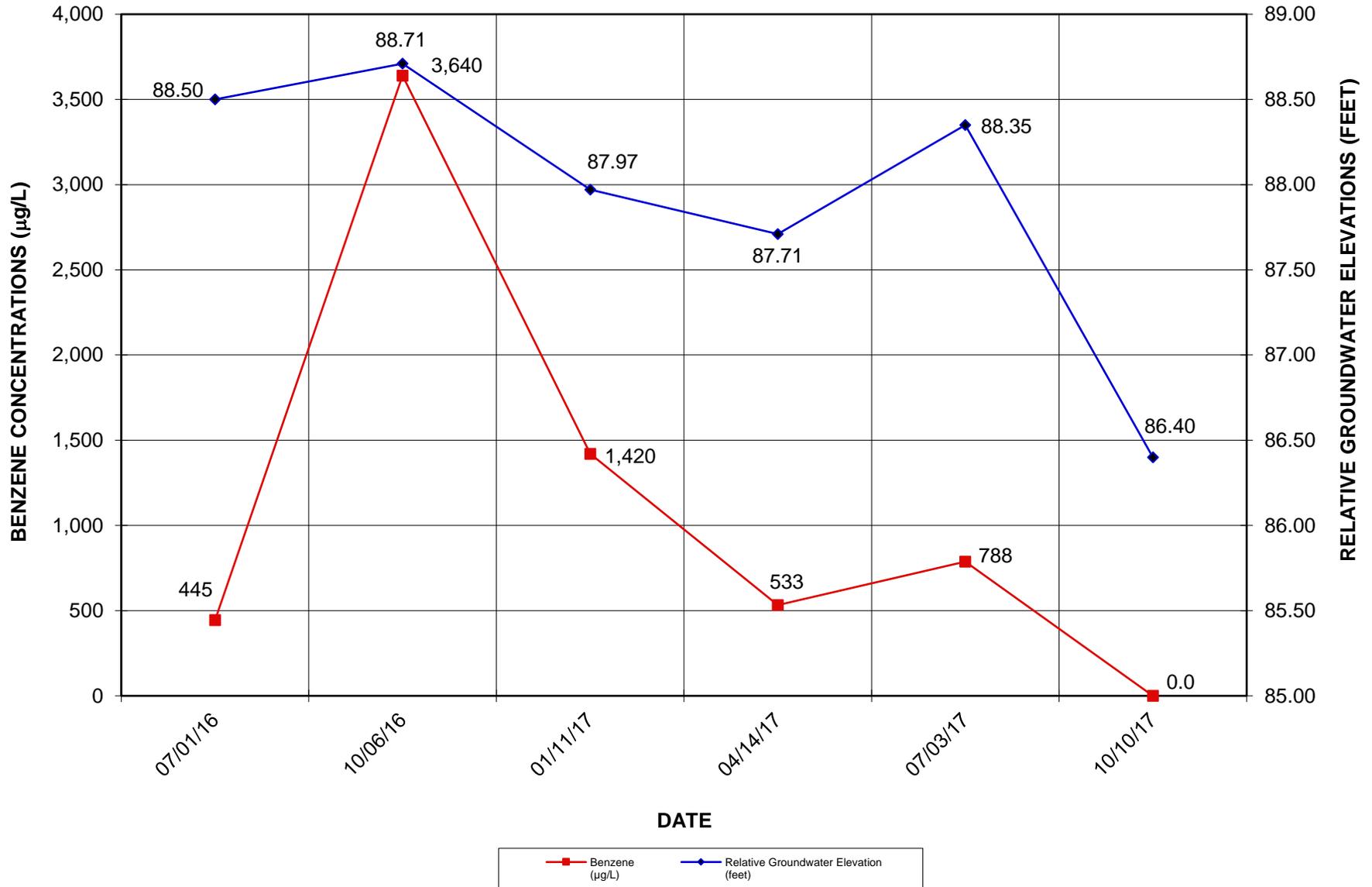
**DISSOLVED BENZENE IN GROUNDWATER ($\mu\text{g/L}$) VS.
RELATIVE GROUNDWATER ELEVATIONS (FT.) OVER TIME
MW-01**



**DISSOLVED BENZENE IN GROUNDWATER ($\mu\text{g/L}$) VS.
RELATIVE GROUNDWATER ELEVATIONS (FT.) OVER TIME
MW-06/MW-06R**



**DISSOLVED BENZENE IN GROUNDWATER ($\mu\text{g/L}$) VS.
RELATIVE GROUNDWATER ELEVATIONS (FT.) OVER TIME
MW-07/MW-07R**



DISSOLVED BENZENE IN GROUNDWATER ($\mu\text{g/L}$) VS. RELATIVE GROUNDWATER ELEVATIONS (FT.) OVER TIME MW-13

