

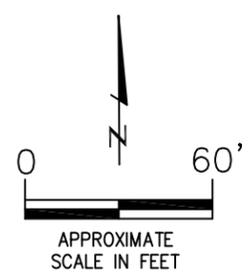
FIGURES

Figure 1: Groundwater Elevation Map (09/15/15)

Figure 2: Groundwater Sample Location Map (09/15/15)



- LEGEND
- APPROXIMATE EXTENTS OF STATE M36-3, M36-5, 6-36, 7-36, AND 8-36 TANK BATTERY EXCAVATION
 - APPROXIMATE EXTENT OF SURFACE STAINING
 - APPROXIMATE LOCATION OF ABANDONED DCP MIDSTREAM UNDERGROUND UTILITY
 - APPROXIMATE LOWER EXCAVATION EXTENTS
 - APPROXIMATE MONITORING WELL LOCATIONS
 - (NOP) - NOT ON SAMPLING PLAN
 - (98.25) GROUNDWATER ELEVATION (FT.)
 - INFERRED GROUNDWATER ELEVATION CONTOUR (FT.)
 - APPROXIMATE GROUNDWATER FLOW DIRECTION
- FT. = FEET



GROUNDWATER ELEVATION MAP
(09/15/15)
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW1/4 NW1/4 SEC.36 T6N R67W 6 PM
WELD COUNTY, COLORADO
REMIEDIATION # 8495

DATE:	12/1/15
FIG NO.:	1
DRAWN BY:	amn

EAGLE
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LEGEND

- APPROXIMATE EXTENTS OF STATE M36-3, M36-5, 6-36 7-36, AND 8-36 TANK BATTERY EXCAVATION
- APPROXIMATE EXTENT OF SURFACE STAINING
- APPROXIMATE LOCATION OF ABANDONED DCP MIDSTREAM UNDERGROUND UTILITY
- APPROXIMATE LOWER EXCAVATION EXTENTS
- APPROXIMATE MONITORING WELL LOCATIONS
- (NOP) - NOT ON SAMPLING PLAN

PARAMETERS

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

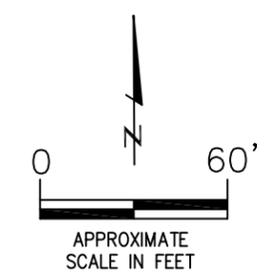
µg/L = MICROGRAMS PER LITER

COGCC = COLORADO OIL AND GAS CONSERVATION COMMISSION.

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

MONITORING WELL MW-15 WAS OBSERVED DESTROYED DURING THE JUNE 2015 GROUNDWATER SAMPLING EVENT. MW-5 WAS OBSERVED DESTROYED DURING THE JULY MONITORING WELL INSTALL EVENT. MW-5 AND MW-15 WERE REPLACED 7/27/15.

NOTE: TANK BATTERY LAYOUT HAS BEEN MODIFIED SINCE AERIAL WAS TAKEN. AERIAL NOT UP TO DATE WITH CURRENT TANK BATTERY LAYOUT.



GROUNDWATER SAMPLE LOCATION MAP
(09/15/15)
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW1/4 NW1/4 SEC.36 T6N R67W 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

DATE:	12/1/15
FIG NO.:	2
DRAWN BY:	amn

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TABLES

Table 1: Groundwater Analytical Results Summary

Table 2: Groundwater Elevation and Parameters Summary

TABLE 1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

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	1400
GW-01 (40.444307 / -104.845131)	06/24/14	2470	1380	892	5890
Surface Pond (40.444856 / -104.843792)	06/24/14	<1.0	<1.0	<1.0	<1.0
SS-22-GW (40.444194133 / -104.844911559)	06/25/14	25.2	20.4	<4.0	<4.0
SS-23-GW (40.444381772 / -104.844747628)	06/25/14	11.1	<4.0	<4.0	<4.0
SS-24-GW (40.44458152 / -104.84470946)	06/25/14	<1.0	<1.0	<1.0	<1.0
SS-25-GW (40.444877225 / -104.844225377)	06/25/14	<1.0	<1.0	<1.0	<1.0
SS-26-GW (40.444844744 / -104.843751845)	06/25/14	<1.0	<1.0	<1.0	<1.0
SS-27-GW (40.443969064 / -104.845038769)	06/26/14	<1.0	<1.0	<1.0	<1.0
SS-28-GW (40.444048624 / -104.845071473)	06/26/14	<1.0	<1.0	<1.0	<1.0
SS-29-GW (40.444024316 / -104.844993703)	06/26/14	<1.0	<1.0	<1.0	<1.0
SS-31-GW (40.444159548 / -104.844851054)	06/26/14	<1.0	<1.0	<1.0	<1.0
SS-32-GW (40.444401989 / -104.844780656)	06/26/14	29.1	2.8	<1.0	4.6
SS-33-GW (40.444344011 / -104.844668852)	06/26/14	<1.0	<1.0	<1.0	<1.0
SS-34-GW (40.444609565 / -104.844739569)	06/27/14	1.6	<1.0	<1.0	<1.0
SS-35-GW (40.444527337 / -104.844575814)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-36-GW (40.444761834 / -104.844498553)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-37-GW (40.444662913 / -104.844327325)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-38-GW (40.444873363 / -104.844334236)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-39-GW (40.444815128 / -104.844179929)	06/27/14	3.5	<1.0	<1.0	<1.0
SS-40-GW (40.444992512 / -104.844184169)	06/27/14	7.8	<1.0	<1.0	<1.0
SS-41-GW (40.444958298 / -104.843786868)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-42-GW (40.444778035 / -104.843763308)	06/27/14	<4.0	<4.0	<4.0	<4.0
SS-43-GW (40.44488832 / -104.843703757)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-44-GW (40.444624838 / -104.843855268)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-45-GW (40.444495488 / -104.843933899)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-46-GW (40.444300036 / -104.844105806)	06/27/14	<1.0	<1.0	<1.0	<1.0
SS-47-GW (40.445050479 / -104.844150918)	06/30/14	<1.0	<1.0	<1.0	<1.0
SS-48-GW (40.44501361 / -104.844059742)	06/30/14	<1.0	<1.0	<1.0	<1.0
TBSB-01-GW (40.444470809 / -104.845024968)	06/30/14	68.1	<1.0	1.8	15.0
TBSB-02-GW (40.444347698 / -104.845291808)	06/30/14	<1.0	<1.0	<1.0	<1.0
TBSB-03-GW (40.444167498 / -104.845295342)	06/30/14	<1.0	<1.0	<1.0	<1.0

TABLE 1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

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	1400
MW-01 (40.4442984192 / -104.845097276)	10/09/14	17.7	<1.0	<1.0	4.4
	03/19/15	1.7	<1.0	<1.0	<1.0
	06/25/15	24.1	<1.0	3.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-02 (40.4443738812 / -104.845307671)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-03 (40.4445555982 / -104.845110257)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	11.9	<1.0	<1.0	<1.0
	04/01/15	12.9	<1.0	<1.0	<1.0
	06/25/15	17.8	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-04 (40.4442042132 / -104.845320992)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-05 (40.4440557552 / -104.845269544)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	07/28/15	DESTROYED			
MW-05R (40.4440557550 / -104.845269540)	07/28/15	NS	NS	NS	NS
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-06 (40.4446472222 / -104.844883852)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-07 (40.4448577152 / -104.844490124)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-08 (40.4446005042 / -104.844397129)	10/10/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-09 (40.4450361712 / -104.844249498)	10/09/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-10 (40.4449045162 / -104.844167041)	10/10/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-11 (40.4449911952 / -104.843986073)	10/10/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-12 (40.4448427762 / -104.843944947)	10/10/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0

TABLE 1
GROUNDWATER ANALYTICAL RESULTS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

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	1400
MW-13 (40.4449321532 / -104.843770355)	10/10/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-14 (40.4447805932 / -104.843778042)	10/10/14	<1.0	<1.0	<1.0	<1.0
	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-15 (40.444233392 / -104.844971393)	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/24/15	DESTROYED			
MW-15R (40.444233394 / -104.844971392)	07/28/15	NS	NS	NS	NS
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-16 (40.4440443272 / -104.845069258)	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-17 (40.4441232392 / -104.844816831)	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-18 (40.4443902552 / -104.844642734)	03/19/15	<1.0	<1.0	<1.0	<1.0
	06/25/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-19 (40.444680924 / -104.84509023)	07/28/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
MW-20 (40.44458423 / -104.84530123)	07/28/15	<1.0	<1.0	<1.0	<1.0
	09/15/15	<1.0	<1.0	<1.0	<1.0
COGCC = Colorado Oil and Gas Conservation Commission µg/L - micrograms per liter NS = Not Sampled Note: Values presented with a less than symbol (<) indicate concentrations were not observed at or above the laboratory reporting limit. Values presented in bold typeface exceed their respective COGCC - Regulatory Limits (Table 910-1).					

TABLE 2
GROUNDWATER ELEVATION AND PARAMETERS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductivity (µS/cm)	Oxidation Reduction Potential (mV)
MW-01 (40.4442984192 / -104.845097276)	10/09/14	98.56	7.53	91.03	NM	NM	NM	NM	NM
	03/19/15		5.93	92.63	0.93	8.39	7.15	2395	-181.0
	06/25/15		3.22	95.34	1.66	18.72	7.25	1691	14.7
	09/15/15		6.22	92.34	NM	NM	NM	NM	NM
MW-02 (40.4443738812 / -104.845307671)	10/09/14	102.11	9.00	93.11	NM	NM	NM	NM	NM
	03/19/15		8.69	93.42	0.65	8.91	6.96	2326	144.6
	06/25/15		5.55	96.56	2.11	17.76	7.20	2426	102.3
	09/15/15		8.93	93.18	NM	NM	NM	NM	NM
MW-03 (40.4445555982 / -104.845110257)	10/09/14	99.43	8.36	91.07	NM	NM	NM	NM	NM
	03/19/15		5.91	93.52	0.86	9.69	6.97	2119	58.4
	06/25/15		3.71	95.72	0.99	15.69	7.16	2217	-6.6
	09/15/15		6.21	93.22	NM	NM	NM	NM	NM
MW-04 (40.4442042132 / -104.845320992)	10/09/14	98.03	7.83	90.20	NM	NM	NM	NM	NM
	03/19/15		5.21	92.82	0.60	9.75	7.02	2338	160.3
	06/25/15		2.53	95.50	2.81	17.31	7.14	1845	125.4
	09/15/15		5.53	92.50	NM	NM	NM	NM	NM
MW-05 (40.4440557552 / -104.845269544)	10/09/14	97.38	6.33	91.05	NM	NM	NM	NM	NM
	03/19/15		4.68	92.70	0.73	9.28	7.06	2380	166.7
	06/25/15		2.06	95.32	1.86	18.08	7.26	1503	130.8
	07/27/15	DES	DES	DES	DES	DES	DES	DES	DES
MW-05R (40.4440557550 / -104.845269540)	07/28/15	98.06	NM	NM	NM	NM	NM	NM	NM
	09/15/15		5.07	92.99	NM	NM	NM	NM	NM
MW-06 (40.4446472222 / -104.844883852)	10/09/14	100.00	8.06	91.94	NM	NM	NM	NM	NM
	03/19/15		6.50	93.50	0.97	9.88	7.06	2404	174.7
	06/24/15		3.12	96.88	1.94	17.84	7.24	2411	103.6
	09/15/15		6.73	93.27	NM	NM	NM	NM	NM



TABLE 2
GROUNDWATER ELEVATION AND PARAMETERS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductivity (µS/cm)	Oxidation Reduction Potential (mV)
MW-07 (40.4448577152 / -104.844490124)	10/09/14	97.63	7.85	89.78	NM	NM	NM	NM	NM
	03/19/15		7.18	90.45	0.87	8.70	7.07	2642	175.4
	06/24/15		3.93	93.70	3.23	19.04	7.10	2556	115.3
	09/15/15		7.40	90.23	NM	NM	NM	NM	NM
MW-08 (40.4446005042 / -104.844397129)	10/10/14	100.28	7.56	92.72	NM	NM	NM	NM	NM
	03/19/15		7.14	93.14	0.84	8.45	6.84	2665	184.3
	06/25/15		4.78	95.50	3.57	16.98	6.98	4394	224.7
	09/15/15		7.38	92.90	NM	NM	NM	NM	NM
MW-09 (40.4450361712 / -104.844249498)	10/09/14	95.94	7.32	88.62	NM	NM	NM	NM	NM
	03/19/15		6.61	89.33	0.98	10.78	6.96	2762	183.4
	06/24/15		4.10	91.84	2.96	16.91	7.21	2911	112.3
	09/15/15		6.76	89.18	NM	NM	NM	NM	NM
MW-10 (40.4449045162 / -104.844167041)	10/10/14	100.72	8.20	92.52	NM	NM	NM	NM	NM
	03/19/15		7.83	92.89	1.70	7.70	6.79	2964	176.5
	06/24/15		5.13	95.59	1.60	18.42	7.16	2619	110.5
	09/15/15		8.01	92.71	NM	NM	NM	NM	NM
MW-11 (40.4449911952 / -104.843986073)	10/10/14	101.64	9.37	92.27	NM	NM	NM	NM	NM
	03/19/15		9.01	92.63	2.91	7.70	6.93	2085	163.0
	06/24/15		6.59	95.05	1.77	16.47	7.08	3116	169.1
	09/15/15		9.18	92.46	NM	NM	NM	NM	NM
MW-12 (40.4448427762 / -104.843944947)	10/10/14	100.31	7.75	92.56	NM	NM	NM	NM	NM
	03/19/15		7.40	92.91	2.74	7.18	6.62	4684	84.6
	06/24/15		4.88	95.43	2.11	15.81	7.15	2818	67.4
	09/15/15		7.58	92.73	NM	NM	NM	NM	NM



TABLE 2
GROUNDWATER ELEVATION AND PARAMETERS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductivity (µS/cm)	Oxidation Reduction Potential (mV)
MW-13 (40.4449321532 / -104.843770355)	10/10/14	100.40	8.05	92.35	NM	NM	NM	NM	NM
	03/19/15		7.78	92.62	2.86	7.35	6.89	2193	231.6
	06/24/15		5.61	94.79	1.82	14.99	7.25	3389	44.3
	09/15/15		7.85	92.55	NM	NM	NM	NM	NM
MW-14 (40.4447805932 / -104.843778042)	10/10/14	99.91	7.01	92.90	NM	NM	NM	NM	NM
	03/19/15		6.66	93.25	2.53	7.59	6.81	2985	222.7
	06/24/15		4.35	95.56	3.12	16.26	7.19	2429	109.9
	09/15/15		6.79	93.12	NM	NM	NM	NM	NM
MW-15 (40.444233392 / -104.844971393)	03/19/15	101.84	8.59	93.25	1.28	8.85	7.07	2376	92.3
	06/24/15	DES	DES	DES	DES	DES	DES	DES	DES
MW-15R (40.444233394 / -104.844971392)	07/28/15	102.08	NM	NM	NM	NM	NM	NM	NM
	09/15/15		9.14	92.94	NM	NM	NM	NM	NM
MW-16 (40.4440443272 / -104.845069258)	03/19/15	102.38	9.09	93.29	0.54	9.17	7.01	2254	24.0
	06/25/15		6.48	95.90	2.36	16.08	7.13	1726	146.4
	09/15/15		9.41	92.97	NM	NM	NM	NM	NM
MW-17 (40.4441232392 / -104.844816831)	03/19/15	102.15	8.90	93.25	2.17	8.79	7.10	2460	53.5
	06/25/15		6.31	95.84	2.34	15.35	7.31	2060	190.4
	09/15/15		9.20	92.95	NM	NM	NM	NM	NM



TABLE 2
GROUNDWATER ELEVATION AND PARAMETERS SUMMARY
STATE M36-3, M36-5, 6-36, 7-36, AND 8-36
PRODUCTION TANK RELEASE
40.444259/-104.845056
SW¼ NW¼ SEC. 36, T6N, R67W, 6 PM
WELD COUNTY, COLORADO
REMEDATION # 8495

Sample Location (Latitude/Longitude)	Date	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Dissolved Oxygen (mg/L)	Temperature (°C)	pH	Specific Conductivity (µS/cm)	Oxidation Reduction Potential (mV)
MW-18 (40.4443902552 / -104.844642734)	03/19/15	101.52	8.38	93.14	0.75	9.10	7.02	2389	105.0
	06/25/15		5.93	95.59	2.56	16.63	7.26	2242	198.9
	09/15/15		8.62	92.90	NM	NM	NM	NM	NM
MW-19 (40.444680924 / -104.84509023)	07/28/15	99.68	5.92	93.76	0.73	16.20	7.51	2458	-168.0
	09/15/15		6.42	93.26	NM	NM	NM	NM	NM
MW-20 (40.44458423 / -104.84530123)	07/28/15	99.65	5.80	93.85	2.83	17.15	7.18	2503	-37.9
	09/15/15		6.33	93.32	NM	NM	NM	NM	NM
NOTES: NM - Not Measured °F = degrees Fahrenheit mg/L = milligrams per liter µS/cm = microsiemens per centimeter mV = millivolts									



ATTACHMENT A

Laboratory Analytical Report

September 18, 2015

Eagle Environmental Consulting, Inc.

Martin C Eckert III

4101 Inca Street

Denver

CO 80211

**Project Name - Noble - State M36-3, M36-5,
6-36,7-36 and 8-36**

Project Number - [none]

Attached are your analytical results for Noble - State M36-3, M36-5, 6-36,7-36 and 8-36 received by Origins Laboratory, Inc. September 15, 2015. This project is associated with Origins project number X509189-01.

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: Noble - State M36-3, M36-5, 6-36,7-36
and 8-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-01	X509189-01	Water	September 15, 2015 15:40	09/15/2015 17:15
MW-02	X509189-02	Water	September 15, 2015 14:10	09/15/2015 17:15
MW-03	X509189-03	Water	September 15, 2015 15:30	09/15/2015 17:15
MW-04	X509189-04	Water	September 15, 2015 14:00	09/15/2015 17:15
MW-05R	X509189-05	Water	September 15, 2015 13:47	09/15/2015 17:15
MW-06	X509189-06	Water	September 15, 2015 13:30	09/15/2015 17:15
MW-07	X509189-07	Water	September 15, 2015 13:10	09/15/2015 17:15
MW-08	X509189-08	Water	September 15, 2015 13:20	09/15/2015 17:15
MW-09	X509189-09	Water	September 15, 2015 12:57	09/15/2015 17:15
MW-10	X509189-10	Water	September 15, 2015 12:40	09/15/2015 17:15

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: Noble - State M36-3, M36-5, 6-36,7-36
and 8-36

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11	X509189-11	Water	September 15, 2015 12:30	09/15/2015 17:15
MW-12	X509189-12	Water	September 15, 2015 12:20	09/15/2015 17:15
MW-13	X509189-13	Water	September 15, 2015 12:10	09/15/2015 17:15
MW-14	X509189-14	Water	September 15, 2015 12:00	09/15/2015 17:15
MW-15R	X509189-15	Water	September 15, 2015 14:30	09/15/2015 17:15
MW-16	X509189-16	Water	September 15, 2015 14:50	09/15/2015 17:15
MW-17	X509189-17	Water	September 15, 2015 14:40	09/15/2015 17:15
MW-18	X509189-18	Water	September 15, 2015 14:20	09/15/2015 17:15
MW-19	X509189-19	Water	September 15, 2015 15:20	09/15/2015 17:15
MW-20	X509189-20	Water	September 15, 2015 15:05	09/15/2015 17:15

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: Noble - State M36-3, M36-5, 6-36,7-36
and 8-36

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: Noble - State M36-3, M36-5, 6-36, 7-36 and 8-36

www.originslaboratory.com
X509189
 ORIGINS LABORATORY, INC
 page 1 of 2
 Client: EAGLE ENV CONSULTING
 Project Manager: MARTIN ECKERT III
 Address: 4101 Inca St
 Project Name: STATE M36-3, M36-5, 6-36, 7-36, 012 8-36
DENVER, CO 80211
 Project Number:
 Telephone Number: 303 435 0479
 Samples Collected By: A POLANSKY
 Email Address: MCE@eagle-env.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions		
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summ #			Other	
MU-01	9/15/15	1540	3	X				X						
MU-02		1410												
MU-03		1530												
MU-04		1400												
MU-05 R		1347												
MU-06		1330												
MU-07		1310												
MU-08		1320												
MU-09		1257												
MU-10		1240												
Relinquished By: <u>[Signature]</u>	Date: <u>9/15/15</u>	Time: <u>1715</u>	Time: <u>1715</u>	Received By: <u>[Signature]</u>				Date: <u>9/15/15</u>	Time: <u>1715</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard				
Relinquished By:	Date:	Time:	Time:	Received By:				Date:	Time:	Turnaround Time: <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr				

Date Results Needed: NONE
 Temp Received: 1.3
 Date Results Needed: NONE

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: Noble - State M36-3, M36-5, 6-34, 7-34 + 8-
 and 8-36

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X509189

Client: Eagle

Client Project ID: State M36-3, M36-5, 6-34, 7-34 + 8-

Checklist Completed by: Jeff Smith

Shipped Via: HTD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 9/15/13

Airbill #: NA

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

Cooler Number/Temperature: 1 / 1.3 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T053

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"/>			HCC
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.

Jeff Smith
 Reviewed by (Project Manager)

9/16/13
 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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-01
9/15/2015 3:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-02
9/15/2015 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-03
9/15/2015 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-04
9/15/2015 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.5 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-05R

9/15/2015 1:47:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.4 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-06
9/15/2015 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.1 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-07
9/15/2015 1:10:00PM

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

Origins Laboratory, Inc.
X509189-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.4 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-08
9/15/2015 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.9 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-09

9/15/2015 12:57:00PM

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

Origins Laboratory, Inc.
X509189-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-10
9/15/2015 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.7 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-11
9/15/2015 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.2 %	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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-12
9/15/2015 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-12 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.2 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.
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 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-13

9/15/2015 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-13 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-14
9/15/2015 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-14 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.8 %	84-114			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-15R

9/15/2015 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-15 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-16
9/15/2015 2:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-16 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-17
9/15/2015 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-17 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.9 %	84-114			"	"	"	

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4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Noble - State M36-3, M36-5, 6-36,7-36
and 8-36

MW-18
9/15/2015 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-18 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	84-114			"	"	"	

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 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-19
9/15/2015 3:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-19 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.3 %	84-114			"	"	"	

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 4101 Inca Street
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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

MW-20
9/15/2015 3:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X509189-20 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5116011	09/16/2015	09/17/2015	
Toluene	ND	1.0	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	
Xylenes, total	ND	1.0	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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 4101 Inca Street
 Denver CO 80211

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

Blank (5116011-BLK1)

Prepared: 09/16/2015 Analyzed: 09/17/2015

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5	96.8		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5	94.7		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: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

Blank (5116011-BLK2)

Prepared: 09/16/2015 Analyzed: 09/17/2015

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	59		"	62.5	94.2		84-121			
<i>Surrogate: Toluene-d8</i>	61		"	62.5	97.7		85-115			
<i>Surrogate: 4-Bromofluorobenzene</i>	61		"	62.5	97.9		84-114			

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

Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

LCS (5116011-BS1)

Prepared: 09/16/2015 Analyzed: 09/17/2015

Benzene	59.5	1.0	ug/L	50.0		119	75-126			
Toluene	57.3	1.0	"	50.0		115	78.7-126			
Ethylbenzene	58.6	1.0	"	50.0		117	80-130			
m,p-Xylene	117	2.0	"	100		117	77.2-133			
o-Xylene	59.0	1.0	"	50.0		118	77.9-126			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	84-114			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

LCS (5116011-BS2)

Prepared: 09/16/2015 Analyzed: 09/17/2015

Benzene	45.1	1.0	ug/L	50.0		90.3	75-126			
Toluene	43.7	1.0	"	50.0		87.4	78.7-126			
Ethylbenzene	43.7	1.0	"	50.0		87.4	80-130			
m,p-Xylene	87.1	2.0	"	100		87.1	77.2-133			
o-Xylene	43.3	1.0	"	50.0		86.6	77.9-126			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	84-114			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

Matrix Spike (5116011-MS1)	Source: X509179-01			Prepared: 09/16/2015 Analyzed: 09/18/2015						
Benzene	51.4	1.0	ug/L	50.0	ND	103	74-130			
Toluene	50.8	1.0	"	50.0	ND	102	73-131			
Ethylbenzene	50.0	1.0	"	50.0	ND	100	76-132			
m,p-Xylene	99.8	2.0	"	100	ND	99.8	69-139			
o-Xylene	49.5	1.0	"	50.0	ND	99.1	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.5	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	84-114			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

Matrix Spike (5116011-MS2)	Source: X509179-02			Prepared: 09/16/2015 Analyzed: 09/17/2015						
Benzene	48.7	1.0	ug/L	50.0	ND	97.4	74-130			
Toluene	47.0	1.0	"	50.0	ND	94.0	73-131			
Ethylbenzene	47.8	1.0	"	50.0	ND	95.6	76-132			
m,p-Xylene	95.1	2.0	"	100	ND	95.1	69-139			
o-Xylene	47.8	1.0	"	50.0	ND	95.6	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.5	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.2	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

Matrix Spike Dup (5116011-MSD1)	Source: X509179-01			Prepared: 09/16/2015 Analyzed: 09/17/2015						
Benzene	51.4	1.0	ug/L	50.0	ND	103	74-130	0.0194	20	
Toluene	49.3	1.0	"	50.0	ND	98.7	73-131	2.96	20	
Ethylbenzene	49.3	1.0	"	50.0	ND	98.7	76-132	1.45	20	
m,p-Xylene	99.6	2.0	"	100	ND	99.6	69-139	0.140	20	
o-Xylene	49.8	1.0	"	50.0	ND	99.6	74-131	0.584	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	84-114			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - State M36-3, M36-5, 6-36,7-36
 and 8-36

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 5116011 - EPA 5030B (Water)

Matrix Spike Dup (5116011-MSD2)	Source: X509179-02			Prepared: 09/16/2015 Analyzed: 09/17/2015						
Benzene	47.8	1.0	ug/L	50.0	ND	95.5	74-130	1.97	20	
Toluene	45.7	1.0	"	50.0	ND	91.5	73-131	2.76	20	
Ethylbenzene	46.3	1.0	"	50.0	ND	92.6	76-132	3.19	20	
m,p-Xylene	92.6	2.0	"	100	ND	92.6	69-139	2.66	20	
o-Xylene	45.4	1.0	"	50.0	ND	90.9	74-131	5.10	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.4	84-121			
Surrogate: Toluene-d8	63		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.4	84-114			

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4101 Inca Street
Denver CO 80211

Martin C Eckert III
Project Number: [none]
Project: Noble - State M36-3, M36-5, 6-36,7-36
and 8-36

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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Jen Pellegrini For Noelle Doyle Mathis, President