

2016 ANNUAL GROUNDWATER REPORT

Lindrith B#24
NMOCD Case#: 3RP-214-0
Meter Code: 94967
T24N, 03W, Sec 9, Unit N

SITE DETAILS

Site Location: Latitude: 36.319794 N, Longitude: -107.166008 W
Land Type: Private/Fee
Operator: Conoco Phillips (Well is plugged and abandoned)

SITE BACKGROUND

- **Site Assessment:** 8/94
- **Excavations:** 10/94 (60 cy)
- **Re-Excavation:** 8/97 (180 cy)

Environmental Remediation activities at the Lindrith B#24 (Site) are being managed pursuant to the procedures set forth in the document entitled, "Remediation Plan for Groundwater Encountered during Pit Closure Activities" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (OCD) in correspondence dated November 30, 1995; and the OCD approval conditions were adopted into El Paso CGP Company, LLC's (EPCGP's) program methods. Currently, the Site is operated by Conoco Phillips and the production well is plugged and abandoned.

The Site is located on Private/Fee land. Various site investigations have occurred from 1994 through 2016. Monitoring wells were installed in 1997 (MW-1), 1999 (MW-2 through MW-3), 2014 (MW-4 through MW-7), and 2016 (MW-1R, and soil borings DP-1 through DP-4). Free product has been encountered periodically in the past, but was not encountered in 2016. Currently, groundwater sampling is conducted on a semi-annual basis.

SOIL BORING AND MONITORING WELL REPLACEMENT ACTIVITIES

In April 2016, soil boring locations were staked for permitting and utility locating purposes. Soil borings were advanced using direct-push methods, in accordance with the 2016 Soil Assessment Work Plan, submitted on May 4, 2016 (Work Plan)

Five soil borings (DP-1 through DP-5) were advanced in May 2016, to evaluate soil impacts in and around the former Pit. Soil boring DP-1 was completed near MW-1 to evaluate remaining soil impacts inside the former pit. DP-2 through DP-5 were completed around the perimeter of the former pit. Locations were measured in and converted to state plane coordinates. Pertinent site features and soil boring locations are shown on Figure 5. Boring logs are included as Appendix A.

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During advancement of the soil borings, completed in May 2016, the soil sample interval exhibiting the highest photoionization detector (PID) reading was collected and placed in a 4-ounce jar for laboratory analysis. Additional soil samples were retained from soil boring SB-1 to evaluate hydrocarbon concentrations at additional intervals. Sample jars were stored in an ice-filled cooler and shipped under standard chain of custody to TestAmerica Laboratories, Inc. in Pensacola, Florida. The soil samples were analyzed for the presence of benzene, toluene, ethylbenzene, and total xylenes (BTEX) according to United States Environmental Protection Agency (EPA) Method SW846 8021B, total petroleum hydrocarbons (TPH) using EPA Method 8015B-gasoline-range organics (GRO), diesel-range organics (DRO), and mineral oil range organics (MRO), and chlorides according to EPA Method 300. The soil sample analytical report is provided in Appendix B.

The soil cuttings were contained in a drum and staged on site for later disposal at Envirotech, Inc. (Envirotech), located south of Bloomfield, New Mexico. On May 25, 2016, Sierra Oilfield Services, Inc. removed the drum of soil cuttings from the Site and delivered them to Envirotech. Disposal documentation is contained in Appendix C.

On September 29, 2016, MW-1 was over drilled and replaced to address intermittent free product observed in the well. The 2016 Monitoring Well Replacement Work Plan summarizing the planned activities was submitted to the NMOCD on September 9, 2016. No soil sampling was conducted during well replacement activities. The replacement monitoring well was constructed of 4-inch-diameter, schedule 40 polyvinyl chloride (PVC), with 0.010-inch, continuous, factory-slotted PVC screen. The well screen was installed from 16.5 feet below ground surface (bgs) to 31.5 feet bgs and bisects the observed water table located at approximately 27 feet below the top of the monitoring well casings during 2016 gauging events. A 3-foot seal of bentonite chips was placed above the sandpack and hydrated, and the remaining annular space filled with bentonite grout. The well was completed as a stick-up well with locking protective casings and a concrete surface completion. Four protective bollards were installed around the new monitoring well. Well construction diagram is provided in Appendix A. The top of casing elevation was surveyed in October 2016.

On April 14 and October 13, 2016, water levels were gauged at MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7. Existing monitoring well MW-1 was also gauged on April 14, 2016, and replacement monitoring well MW-1R was also gauged during the October 2016 sampling event. Groundwater samples were collected from each well using HydraSleeve™ (HydraSleeve) no-purge passive groundwater sampling devices. The HydraSleeves were set, either during the previous sampling event or following well replacement activities, approximately 0.5 foot above termination depth of the monitoring wells using a suspension tether and stainless steel weights to collect a sample from the screened interval. Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to TestAmerica Laboratories, Inc. in Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). Additional field parameters

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are collected from the excess sample water recovered by the HydraSleeve. Excess sample water is poured into a YSI multi-parameter instrument sample cup and analyzed. Field parameters include dissolved oxygen, temperature, conductivity, pH, and oxidation-reduction potential. Field parameters are not collected if free product is present. The unused sample water is combined in a waste container and taken to Basin Disposal, Inc. for disposal.

SUMMARY TABLES

Historic analytical and water level data are summarized in Table 1 and Table 2, respectively. Soil analytical results are summarized in Table 3.

SITE MAPS

Groundwater analytical maps (Figures 1 and 3) and groundwater elevation contour maps (Figures 2 and 4) summarize results of the 2016 groundwater sampling and gauging events. The soil analytical results are summarized on Figure 5.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix A.

GROUNDWATER RESULTS

- The groundwater flow direction at the Site is generally to the west (see Figures 2 and 4).
- Concentrations of benzene were not detected in any of the Site monitoring wells sampled in 2016.
- Concentrations of toluene were not detected in any of the Site monitoring wells sampled in 2016.
- Concentrations of ethylbenzene were not detected in any of the Site monitoring wells sampled in 2016.
- Concentrations of total xylenes were not detected in any of the Site monitoring wells sampled in 2016.

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SOIL RESULTS

- Soil samples were collected from the borings for soil borings DP-1 through DP-5. Concentrations of benzene, toluene, ethylbenzene, and total xylenes on the soil samples were non-detect. Resulting total BTEX concentrations were below the applicable limit in the NMOCD 2013 Pit Rule Guidance for all samples collected from DP-1 through DP-5.
- Total petroleum hydrocarbons (TPH) ranged from non-detect to up to 109 mg/kg in DP-4 (22-23'). TPH concentrations in DP-4 exceeded the 2013 Pit Rule Guidance (100 mg/kg).
- Concentrations for chloride in the soil samples were non-detect.

PLANNED FUTURE ACTIVITIES

BTEX concentrations in the monitoring wells are reported below the NMWQCC standards during the fourth calendar quarter of 2016. Groundwater sampling will be completed quarterly through at least the third calendar quarter of 2017. If groundwater concentrations remain below NMWQCC standards after four consecutive quarters, groundwater monitoring may cease, and EPCGP may request site closure from NMOCD. If site closure is not requested in 2017, a 2017 Annual Report will be submitted to the NMOCD in early 2018.

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TABLES

TABLE 1 – GROUNDWATER ANALYTICAL RESULTS

TABLE 2 – GROUNDWATER ELEVATION RESULTS

TABLE 3 – SOIL ANALYTICAL RESULTS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Lindrith B #24					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	05/27/97	90.4	428	97.8	822
MW-1	08/07/97	69.8	437	85.5	785
MW-1	11/14/97	53.8	151	59.2	564
MW-1	02/04/98	67.5	282	122	1350
MW-1	05/11/98	63.9	65.6	66	575
MW-1	08/05/98	61.2	156	84.8	874
MW-1	11/16/98	60.2	87.7	79.2	788
MW-1	02/04/99	48.7	23.1	62.4	668
MW-1	05/03/99	56.4	94.8	64.7	849
MW-1	08/17/99	70.3	69	56.8	595
MW-1	11/10/99	48	22	40	260
MW-1	02/24/00	120	39	78	830
MW-1	05/18/00	52	5.6	53	320
MW-1	08/03/00	41	< 1.0	52	420
MW-1	11/07/00	11	12	25	160
MW-1	02/13/01	18	< 1.0	23	110
MW-1	06/06/01	9.8	0.5	16	47
MW-1	08/06/01	110	39	180	1700
MW-1	08/31/01	NS	NS	NS	NS
MW-1	11/29/01	280	< 1.0	< 1.0	3500
MW-1	02/26/02	13	14	46	720
MW-1	05/20/02	< 1.0	< 1.0	8.9	140
MW-1	02/26/03	4.3	0.8	4.7	22.5
MW-1	05/22/03	< 1.0	< 1.0	19.7	86.2
MW-1	08/18/03	NS	NS	NS	NS
MW-1	11/26/03	NS	NS	NS	NS
MW-1	02/23/04	< 1.0	< 1.0	23.9	81.5
MW-1	06/03/04	7.1	8.7	48.6	20.4
MW-1	08/19/04	< 1.0	< 1.0	14.8	45.2
MW-1	11/29/04	< 1.0	< 1.0	5.7	10
MW-1	04/01/14	NS	NS	NS	NS
MW-1	10/22/14	NS	NS	NS	NS
MW-1	05/28/15	<1.0	<5.0	<1.0	<5.0
MW-1	11/21/15	NS	NS	NS	NS
MW-1	04/14/16	<1.0	<5.0	<1.0	<5.0
MW-1 was abandoned and replaced with MW-1R on May 20, 2016					
MW-1R	10/13/16	<1.0	<5.0	<1.0	<5.0

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Lindrith B #24					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	10/19/99	< 1.0	< 1.0	< 1.0	< 1.0
MW-2	10/20/00	< 1.0	< 1.0	< 1.0	< 1.0
MW-2	11/29/04	< 1.0	< 1.0	< 1.0	< 2.0
MW-2	04/01/14	NS	NS	NS	NS
MW-2	10/22/14	NS	NS	NS	NS
MW-2	05/28/15	NS	NS	NS	NS
MW-2	11/21/15	NS	NS	NS	NS
MW-2	04/14/16	NS	NS	NS	NS
MW-2	10/13/16	NS	NS	NS	NS
MW-3	10/19/99	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	10/20/00	< 1.0	< 1.0	< 1.0	< 1.0
MW-3	11/29/04	< 1.0	< 1.0	< 1.0	< 2.0
MW-3	04/01/14	NS	NS	NS	NS
MW-3	10/22/14	NS	NS	NS	NS
MW-3	05/28/15	NS	NS	NS	NS
MW-3	11/21/15	NS	NS	NS	NS
MW-3	04/14/16	NS	NS	NS	NS
MW-3	10/13/16	NS	NS	NS	NS
MW-4	10/22/14	<0.38	<0.70	<0.50	<1.6
MW-4	05/28/15	<1.0	<5.0	<1.0	<5.0
MW-4	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-4	04/14/16	<1.0	<5.0	<1.0	<5.0
MW-4	10/13/16	<1.0	<5.0	<1.0	<5.0

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Lindrith B #24					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-5	10/22/14	<0.38	<0.70	<0.50	<1.6
MW-5	05/28/15	<1.0	<5.0	<1.0	<5.0
MW-5	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-5	04/14/16	<1.0	<5.0	<1.0	<5.0
MW-5	10/13/16	<1.0	<5.0	<1.0	<5.0
MW-6	10/22/14	<0.38	<0.70	<0.50	<1.6
MW-6	05/28/15	<1.0	<5.0	<1.0	<5.0
MW-6	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-6	04/14/16	<1.0	<5.0	<1.0	<5.0
MW-6	10/13/16	<1.0	<5.0	<1.0	<5.0
MW-7	10/22/14	<0.38	<0.70	<0.50	<1.6
MW-7	05/28/15	<1.0	<5.0	<1.0	<5.0
MW-7	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-7	04/14/16	<1.0	<5.0	<1.0	<5.0
MW-7	10/13/16	<1.0	<5.0	<1.0	<5.0

Notes:

"µg/L" = micrograms per liter

Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.

"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result is an approximate value.

"<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).

"NS" = Monitoring well not sampled

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Lindrith B #24						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	05/27/97	6886.46	23.90	NR		6862.56
MW-1	08/07/97	6886.46	24.46	NR		6862.00
MW-1	11/14/97	6886.46	24.43	NR		6862.03
MW-1	02/04/98	6886.46	24.58	NR		6861.88
MW-1	05/11/98	6886.46	24.27	NR		6862.19
MW-1	08/05/98	6886.46	24.48	NR		6861.98
MW-1	11/16/98	6886.46	24.21	NR		6862.25
MW-1	02/04/99	6886.46	24.43	NR		6862.03
MW-1	05/03/99	6886.46	24.64	NR		6861.82
MW-1	08/17/99	6886.46	23.96	NR		6862.50
MW-1	11/10/99	6886.46	24.24	NR		6862.22
MW-1	02/24/00	6886.46	24.64	NR		6861.82
MW-1	05/18/00	6886.46	24.40	NR		6862.06
MW-1	08/03/00	6886.46	24.87	NR		6861.59
MW-1	11/07/00	6886.46	25.14	NR		6861.32
MW-1	02/13/01	6886.46	25.29	25.26	0.03	6861.19
MW-1	06/06/01	6886.46	25.31	NR		6861.15
MW-1	08/06/01	6886.46	26.02	25.43	0.59	6860.88
MW-1	08/31/01	6886.46	25.50	25.43	0.07	6861.01
MW-1	11/29/01	6886.46	25.93	NR		6860.53
MW-1	02/26/02	6886.46	25.79	NR		6860.67
MW-1	05/20/02	6886.46	25.98	NR		6860.48
MW-1	02/26/03	6886.46	26.15	ND		6860.31
MW-1	05/22/03	6886.46	26.25	ND		6860.21
MW-1	08/18/03	6886.46	26.80	26.51	0.29	6859.88
MW-1	11/26/03	6886.46	25.90	25.89	0.01	6860.57
MW-1	02/23/04	6886.46	26.09	ND		6860.37
MW-1	06/03/04	6886.46	25.73	ND		6860.73
MW-1	08/19/04	6886.46	26.34	ND		6860.12
MW-1	11/29/04	6886.46	26.56	ND		6859.90
MW-1	04/01/14	6886.46	27.68	27.60	0.08	6858.84
MW-1	10/22/14	6886.46	26.89	Trace	Trace	6859.57
MW-1	05/28/15	6886.46	26.67	Trace	Trace	6859.79
MW-1	11/21/15	6886.46	27.31	Trace	Trace	6859.15
MW-1	04/14/16	6886.46	27.10	ND		6859.36
MW-1R	10/13/16	6886.30	27.48	ND		6858.82

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Lindrith B #24						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	10/19/99	6885.56	21.45	ND		6864.11
MW-2	10/20/00	6885.56	22.08	ND		6863.48
MW-2	11/29/04	6885.56	25.39	ND		6860.17
MW-2	04/01/14	6885.56	DRY	ND		DRY
MW-2	10/22/14	6885.56	DRY	ND		DRY
MW-2	05/28/15	6885.56	DRY	ND		DRY
MW-2	11/21/15	6885.56	DRY	ND		DRY
MW-2	04/14/16	6885.56	DRY	ND		DRY
MW-2	10/13/16	6885.56	DRY	ND		DRY
MW-3	10/19/99	6885.17	21.20	ND		6863.97
MW-3	10/20/00	6885.17	22.37	ND		6862.80
MW-3	11/29/04	6885.17	25.79	ND		6859.38
MW-3	04/01/14	6885.17	DRY	ND		DRY
MW-3	10/22/14	6885.17	DRY	ND		DRY
MW-3	05/28/15	6885.17	DRY	ND		DRY
MW-3	11/21/15	6885.17	DRY	ND		DRY
MW-3	04/14/16	6885.17	DRY	ND		DRY
MW-3	10/13/16	6885.17	DRY	ND		DRY
MW-4	10/22/14	6883.50	23.94	ND		6859.56
MW-4	05/28/15	6883.50	23.72	ND		6859.78
MW-4	11/21/15	6883.50	24.35	ND		6859.15
MW-4	04/14/16	6883.50	24.12	ND		6859.38
MW-4	10/13/16	6883.50	24.79	ND		6858.71

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Lindrith B #24						
Location	Date	TOC	Depth to Water (ft.)	Depth to LNAPL (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	10/22/14	6885.99	26.17	ND		6859.82
MW-5	05/28/15	6885.99	25.96	ND		6860.03
MW-5	11/21/15	6885.99	26.57	ND		6859.42
MW-5	04/14/16	6885.99	26.34	ND		6859.65
MW-5	10/13/16	6885.99	27.02	ND		6858.97
MW-6	10/22/14	6886.30	26.71	ND		6859.59
MW-6	05/28/15	6886.30	26.50	ND		6859.80
MW-6	11/21/15	6886.30	27.13	ND		6859.17
MW-6	04/14/16	6886.30	26.91	ND		6859.39
MW-6	10/13/16	6886.30	27.58	ND		6858.72
MW-7	10/22/14	6885.29	25.95	ND		6859.34
MW-7	05/28/15	6885.29	25.74	ND		6859.55
MW-7	11/21/15	6885.29	26.38	ND		6858.91
MW-7	04/14/16	6885.29	26.15	ND		6859.14
MW-7	10/13/16	6885.29	26.83	ND		6858.46

Notes:

"ft" = feet

"TOC" = Top of casing

"LNAPL" = Light non-aqueous phase liquid

"ND" = LNAPL not detected

"NR" = LNAPL not recorded

TABLE 3 - SOIL ANALYTICAL RESULTS

Lindrieth B#24											
Location (depth in feet bgs)	Date (mm/dd/yy)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	BTEX Total (mg/kg)	GRO C6-10 (mg/kg)	DRO C10-28 (mg/kg)	MRO C28-35 (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Criteria:		10	NE	NE	NE	50	NE	NE	NE	100	600
MW-4 (20-22')	08/28/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-5 (23-25')	08/28/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-6 (23-25')	08/28/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7 (23-25')	08/28/14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DP-1 (22-23)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
DP-1 (24-25)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
DP-1 (29-30)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
DP-2 (23-24)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	39	24	63	BRL
DP-3 (22.5-23.5)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	53	24	77	BRL
DP-4 (22-23)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	73	36	109	BRL
DP-5 (22-23)	05/24/16	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:

mg/kg Milligrams per kilogram

BRL Below Reporting Limits

NE New Mexico Oil Conservation Division (NMOCD) Standard Not Established

NA Not Analyzed . Samples were received out of temperature.

BTEX Benzene, toluene, ethylbenzene, xylenes

GRO Gasoline range organics

DRO Diesel range organics

MRO Motor oil range organics

Total BTEX Sum of the detectable concentrations of individual BTEX constituents

TPH Total Petroleum Hydrocarbon concentration is calculated by adding GRO, DRO, and MRO and rounded to the nearest mg/kg.

NMOCD Criteria New Mexico Oil Conservation Division closure criteria for groundwater ≤50 feet below bottom of pit to groundwater less than 10,000 mg/L TDS

Results bolded and highlighted yellow exceed their respective NMOCD Standards

FIGURES

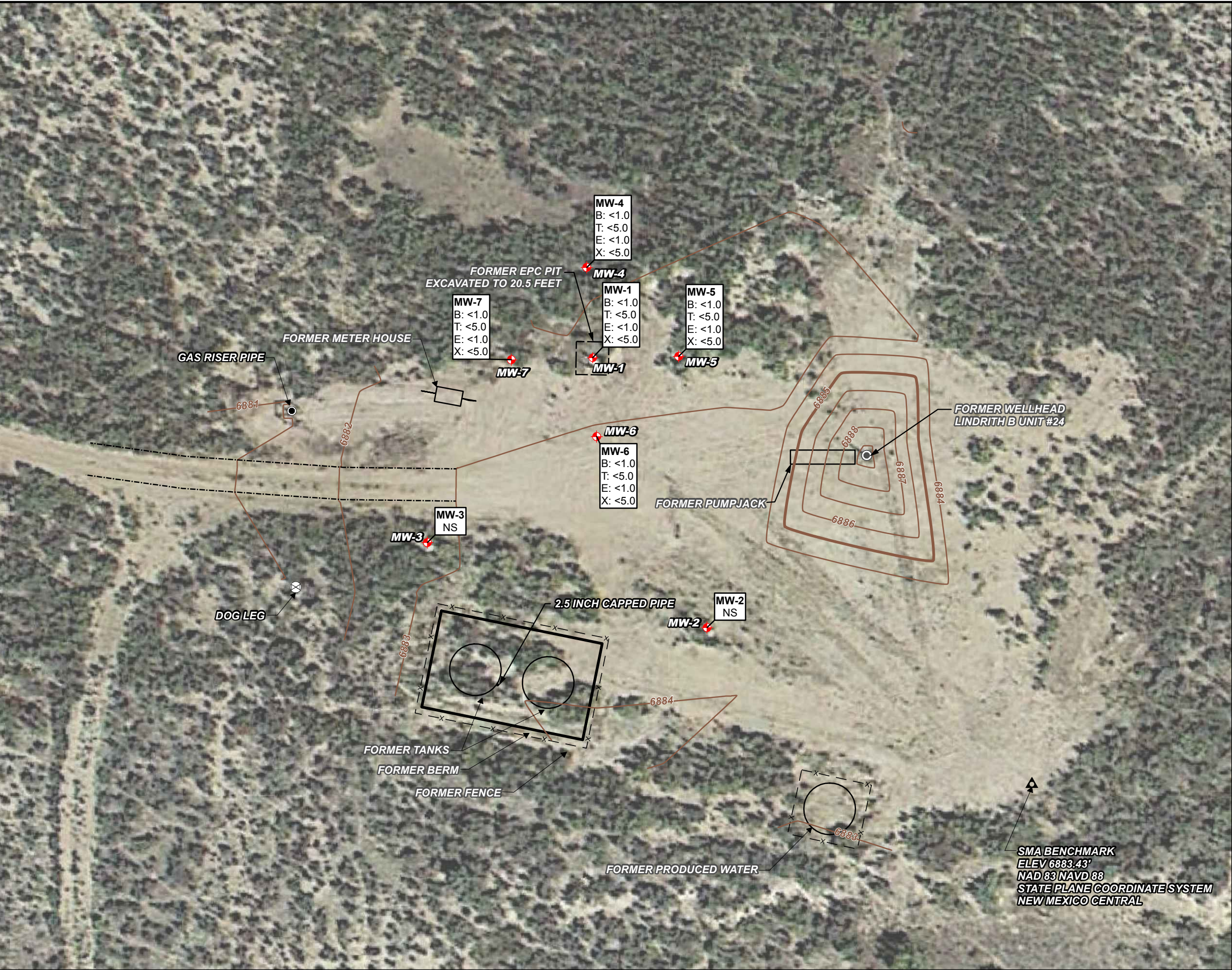
FIGURE 1: APRIL 14, 2016 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 2: APRIL 14, 2016 GROUNDWATER ELEVATION MAP

FIGURE 3: OCTOBER 13, 2016 GROUNDWATER ANALYTICAL RESULTS MAP

FIGURE 4: OCTOBER 13, 2016 GROUNDWATER ELEVATION MAP

FIGURE 5: SOIL ANALYTICAL RESULTS



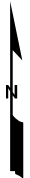
LEGEND:

- 6882 APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- X— FORMER FENCE
- ⊗ DOGLEG
- ⊙ FORMER WELLHEAD
- MONITORING WELL
- ▲ SMA BENCHMARK

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L



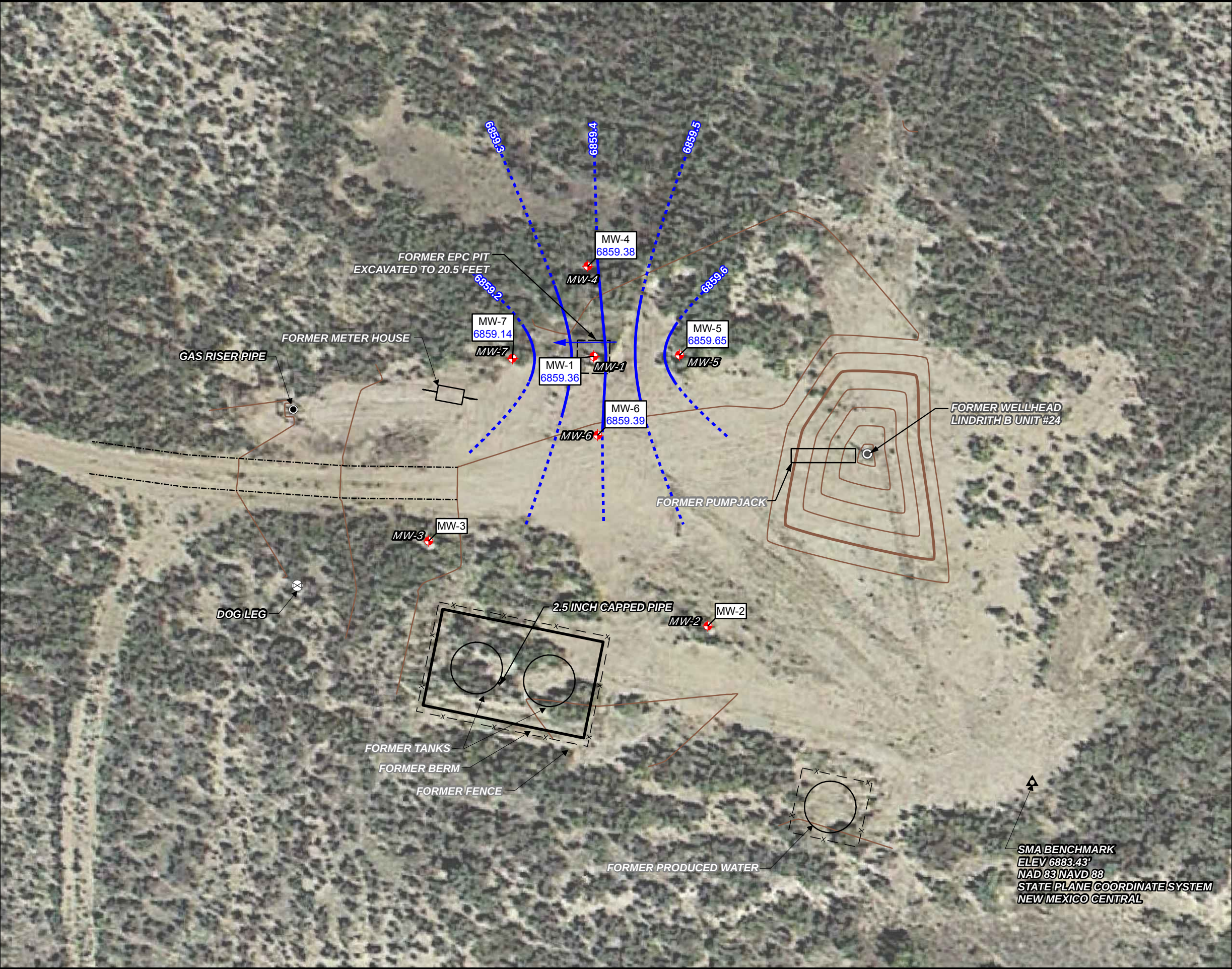
REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	1/27/2017	SLG	SLG	SRV

TITLE:
**GROUNDWATER ANALYTICAL RESULTS
APRIL 14, 2016**

PROJECT: **LINDRITH B#24
SAN JUAN RIVER BASIN
RIO ARriba COUNTY, NEW MEXICO**



Figure No.:
1

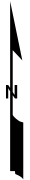


LEGEND:

- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER FENCE
- DOGLEG
- FORMER WELLHEAD
- MONITORING WELL
- SMA BENCHMARK

NOTES:

- 6859.42 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL
- 6859.4 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.1 FOOT CONTOUR INTERVAL)
- Blue arrow DIRECTION OF APPARENT GROUNDWATER FLOW



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	11/2/2016	SLG	SLG	SRV

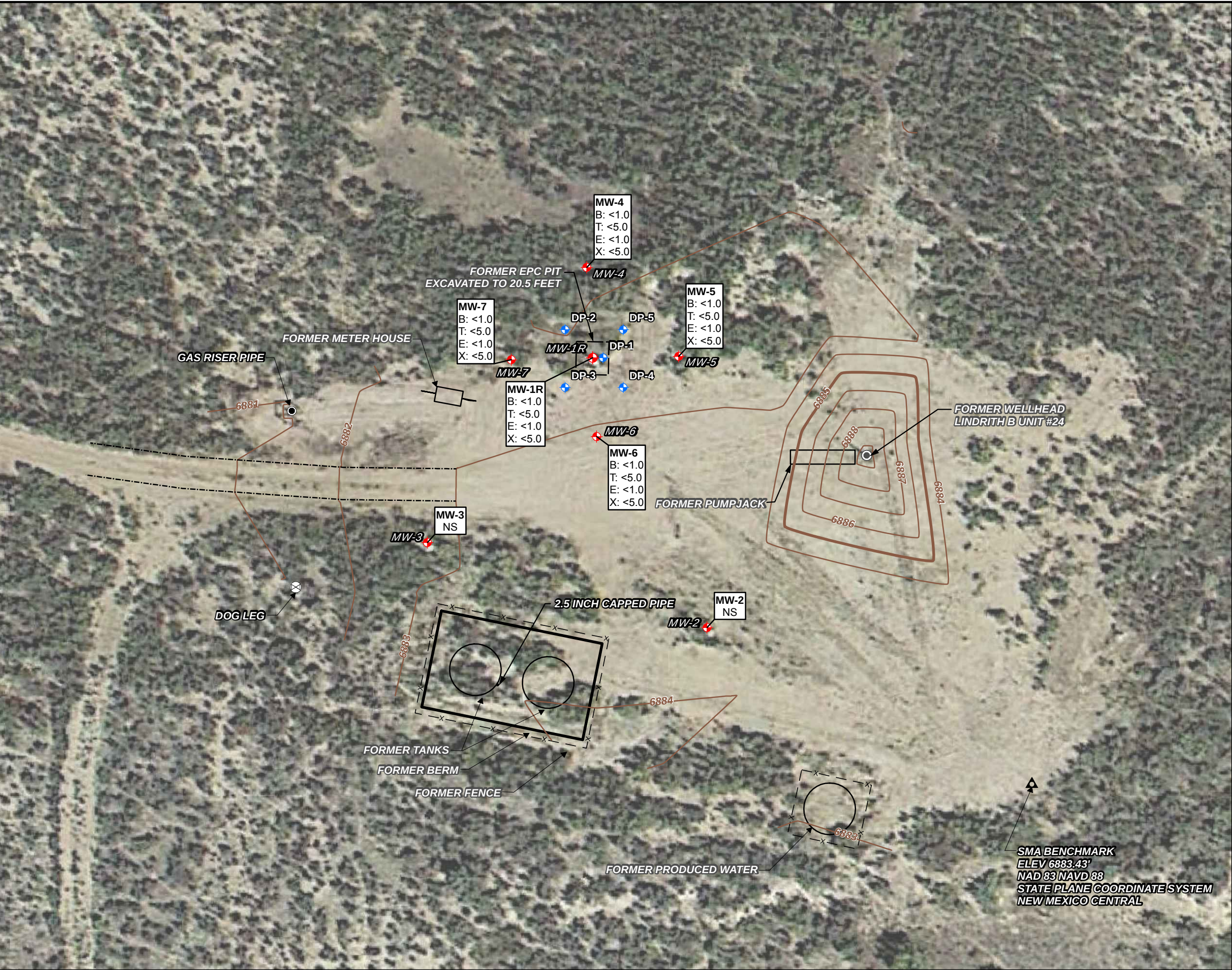
TITLE:
*GROUNDWATER ELEVATION MAP
APRIL 14, 2016*

PROJECT: *LINDRITH B#24
SAN JUAN RIVER BASIN
RIO ARriba COUNTY, NEW MEXICO*



Figure No.:

2

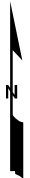


LEGEND:

- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER FENCE
- DOGLEG
- FORMER WELLHEAD
- MONITORING WELL
- SOIL BORING
- SMA BENCHMARK

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	1/18/2017	SLG	SLG	SRV

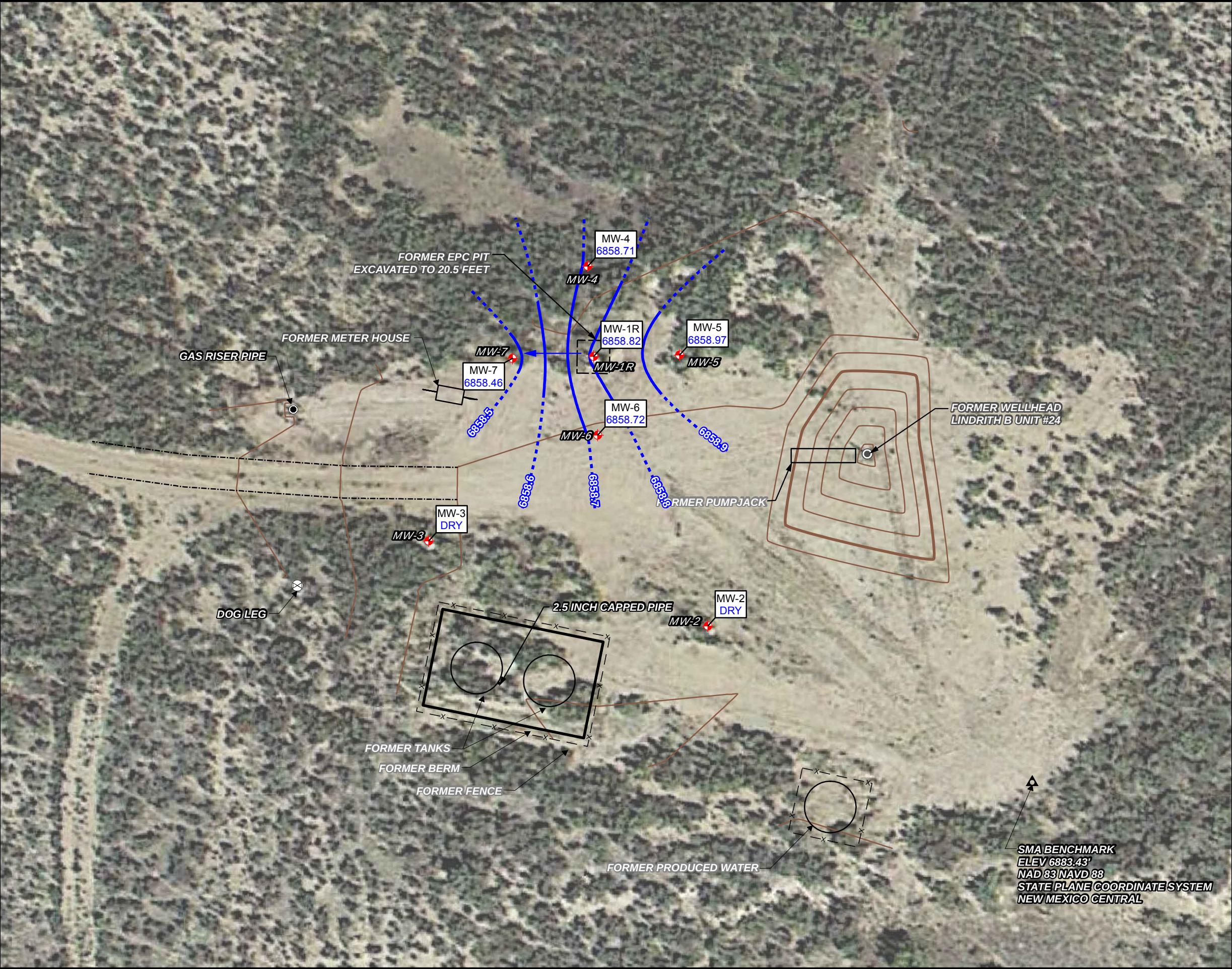
TITLE:
GROUNDWATER ANALYTICAL RESULTS
OCTOBER 13, 2016

PROJECT: **LINDRITH B#24**
SAN JUAN RIVER BASIN
RIO ARriba COUNTY, NEW MEXICO



Figure No.:

3

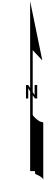


LEGEND:

- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER FENCE
- DOGLEG
- FORMER WELLHEAD
- MONITORING WELL
- SMA BENCHMARK

NOTES:

- 6859.42 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS. FEET ABOVE MEAN SEA LEVEL
- 6858.42 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.1 FOOT CONTOUR INTERVAL)
- DIRECTION OF APPARENT GROUNDWATER FLOW



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	1/18/2017	SLG	SLG	SRV

TITLE:
*GROUNDWATER ELEVATION MAP
OCTOBER 13, 2016*

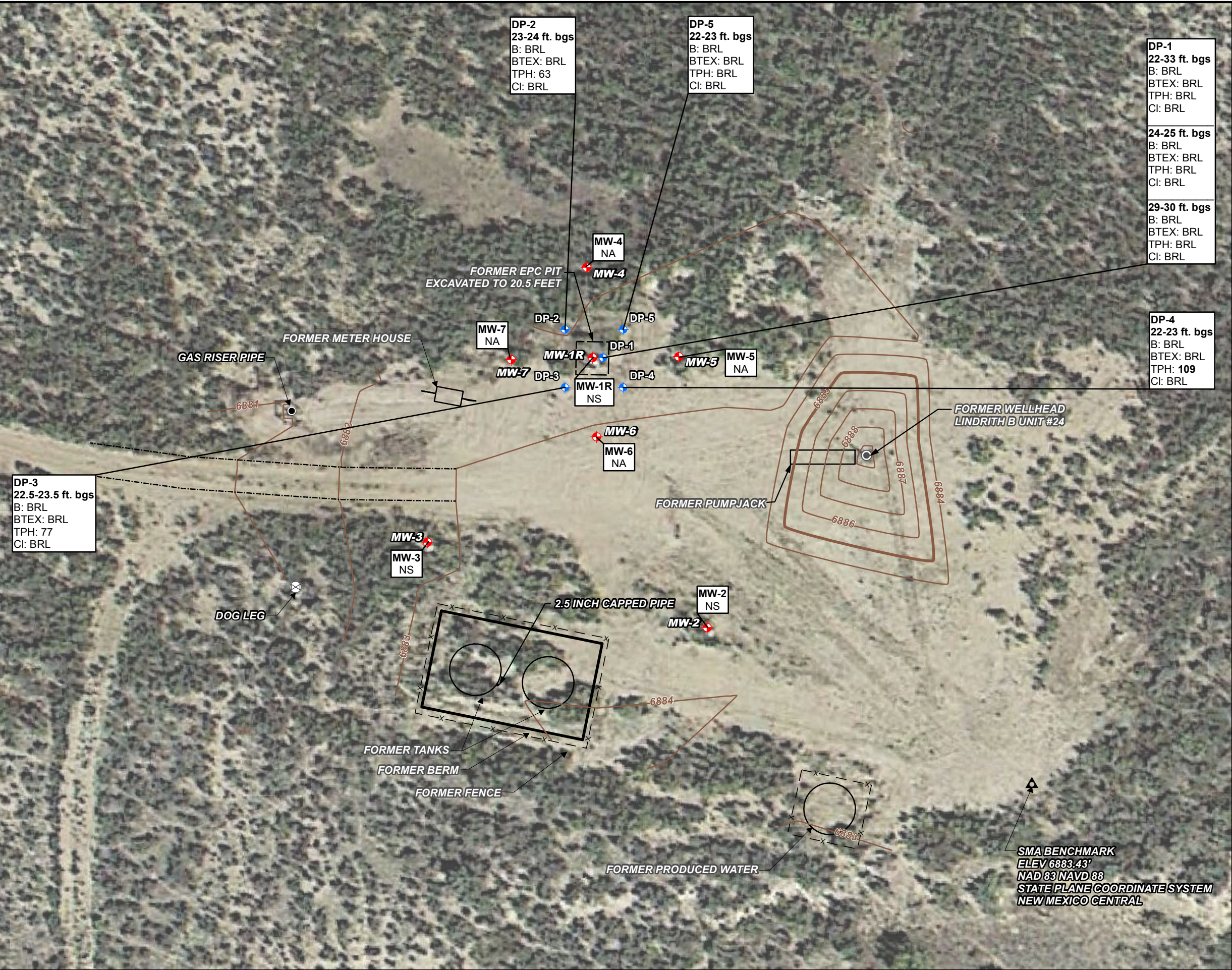
PROJECT: *LINDRITH B#24
SAN JUAN RIVER BASIN
RIO ARriba COUNTY, NEW MEXICO*



Figure No.:

4

SMA BENCHMARK
ELEV 6883.43'
NAD 83 NAVD 83
STATE PLANE COORDINATE SYSTEM
NEW MEXICO CENTRAL



LEGEND:

- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- FORMER FENCE
- DOGLEG
- FORMER WELLHEAD
- MONITORING WELL
- SOIL BORING
- SMA BENCHMARK

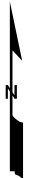
NOTES:
DPE-1, DPE-2, DPE-3, DPE-4 AND DPE-5 SAMPLES COLLECTED 5/24/2016.

UTILITY LOCATIONS ARE APPROXIMATE.

ft. bgs = FEET BELOW GROUND SURFACE
NS = NOT SAMPLED
NA = NOT ANALYZED - SAMPLES LOST IN TRANSIT AND ARRIVED AT THE LAB ABOVE ACCEPTABLE TEMPERATURE.

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE** TYPE INDICATE CONCENTRATION IN EXCESS OF APPLICABLE NEW MEXICO OIL CONSERVATION DIVISION SOIL CRITERIA FOR THAT ANALYTE.
mg/kg = MILLIGRAM/KILOGRAM
BRL = BELOW REPORTING LIMITS

ANALYTE	NMOCDS STANDARDS
B = Benzene	10 mg/kg
BTEX = Benzene, toluene, ethylbenzene, xylenes	50 mg/kg
TPH = Total Petroleum Hydrocarbons	100 mg/kg
Cl = Chloride	600 mg/kg



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/27/2017	SLG	SLG	SRV

TITLE:

SOIL ANALYTICAL RESULTS

PROJECT: **LINDRITH B#24
SAN JUAN RIVER BASIN
RIO ARriba COUNTY, NEW MEXICO**

Figure No.: **5**

MWH

APPENDICES

APPENDIX A – BOREHOLE AND WELL CONSTRUCTION LOGS

APPENDIX B – SOIL SAMPLING ANALYTICAL REPORTS

APPENDIX C – WASTE DISPOSAL DOCUMENTATION

APPENDIX D – APRIL 29, 2016 GROUNDWATER SAMPLING ANALYTICAL REPORT
OCTOBER 27, 2016 GROUNDWATER SAMPLING ANALYTICAL REPORT

APPENDIX A



MWH

Drilling Log

Soil Boring **DP-1**

Page: 1 of 2

Project Lindrith B#24 Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509728
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial 23.0ft 05/24/16 00:00 Static NA
 Hole Depth 35.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/24/2016 Completion Date 5/24/2016 Checked By S. Varsa

COMMENTS

5' due east of MW-1. Water level at MW-1 = 27.12 ft. below TOC, ~23.8 ft. below GS. Surface is dirt with minimal gravel, minor vegetation (sagebrush).

☒ Bentonite Chips ☒ Bentonite Granules ☐ Grout ☐ Bentonite Pellets ☐ Sand Pack ☐ PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
0						Poorly-graded sand, brown, dry, loose, fine sand, no cementation, no hydrocarbon odor, soil compacted in the core liner in the 10-15' interval. (0-8' cleared with a hydro-vac).
2						
4		100%				
6						
8						
10		100%			SP	
12		100%				
14						
16						
18		100%			CH	Fat clay seam, dark brown, soft to stiff, slightly moist, high plasticity, soil compacted in the core liner in the 15-20' interval.
20					SP	Poorly-graded sand (continued), becoming soft, light brown, soil compacted in the core liner in the 20-25' interval.

Drilling Log 2016 LINDRITH LOGS.GPJ MWH I.A.GDT 12/19/16

Continued Next Page



MWH

Drilling Log

Soil Boring

DP-1

Page: 2 of 2

Project Lindrith B#24Owner El Paso CGP Company, LLCLocation Rio Arriba County, New MexicoProject Number 10509728

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
Continued						
20	0.0				SP	
22	0.0	DP1 22-23'				Well-graded sand, brown, loose, slightly moist, all sand sizes, subangular to subrounded, trace gravels;
	0.0	100%				thin, fat clay seam at 23', very moist, dark brown, soft, high plasticity, water at 23',
24	0.0	DP1 24-25'				
	0.0					
26	0.0					
	0.0					
28	0.0	100%			SW	
	0.0	DP1 29-30'				minor black discoloration in sandy matrix at 29-30', no hydrocarbon odor, possible organics.
30	0.0					
	0.0					
32	0.0					
	0.0	100%				
34	0.0	DP1 34-35' (not analyzed)				
	0.0					
36						Total depth = 35'.
38						
40						
42						
44						
46						



MWH

Drilling Log

Soil Boring **DP-2**

Page: 1 of 2

Project Lindrith B#24 Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509728
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial 24.0ft 05/24/16 00:00 Static NA
 Hole Depth 25.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/24/2016 Completion Date 5/24/2016 Checked By S. Varsa

COMMENTS

11' NW of MW-1. Water level at MW-1 = 27.12 ft. below TOC, ~23.8 ft. below GS. Surface is dirt with minimal gravel, minor vegetation (sagebrush).

☒ Bentonite Chips ☒ Bentonite Granules ☐ Grout ☐ Bentonite Pellets ☐ Sand Pack ☐ PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
0						Poorly-graded sand, loose, dry, fine sand, no cementation, no hydrocarbon odor, subangular sand, brown. (0-8' cleared with a hydro-vac).
0.0						
2						
0.0						
0.0						
4		100%				
0.0						
6						
0.0						
0.0						
8					SP	
0.0						
0.0		100%				
10						
0.0						
0.0						
12						
0.0		100%				
0.0						
14						
0.0						

Drilling Log 2016 LINDRITH LOGS.GPJ MWH I.A.GDT 12/19/16

Continued Next Page



MWH

Drilling Log

Soil Boring

DP-2

Page: 2 of 2

Project Lindrith B#24

Owner El Paso CGP Company, LLC

Location Rio Arriba County, New Mexico

Project Number 10509728

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
Continued						
16	0.0	100%			SP	
18	0.0					
20	0.0					
22	0.0					
24	0.0					
20	0.0	100% DP2 23- 24'			SW	Well-graded sand, brown, loose, all sand sizes, no cementation, no hydrocarbon odor.
21	0.0				CH	Fat clay seam, dark brown, tight, soft, high plasticity, slightly moist.
22	0.0				SW	Well-graded sand (continues), water at 24'.
23	0.0					
24	0.0					
26						Total depth = 25'.
28						
30						
32						
34						



MWH

Drilling Log

Soil Boring **DP-3**

Page: 1 of 2

Project Lindrith B#24 Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509728
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial 23.5ft 05/24/16 00:00 Static NA
 Hole Depth 25.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/24/2016 Completion Date 5/24/2016 Checked By S. Varsa

COMMENTS

11' SW of MW-1. Water level at MW-1 = 27.12 ft. below TOC, ~23.8 ft. below GS. Surface is dirt with minimal gravel, minor vegetation (sagebrush).

☒ Bentonite Chips ☒ Bentonite Granules ☐ Grout ☐ Bentonite Pellets ☐ Sand Pack ☐ PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
0						Poorly-graded sand, brown, dry, loose, fine sand, no cementation, no hydrocarbon odor, soil compacted in the core liner in the 8-10', 10-15', and 15-20' intervals. (0-8' cleared with a hydro-vac).
0.0						
2						
0.0						
0.0						
4		100%				
0.0						
0.0						
6						
0.0						
0.0						
8					SP	
0.0						
0.0		100%				
10						
0.0						
0.0						
12		100%				
0.0						
0.0						
14						
0.0						

Continued Next Page



MWH

Drilling Log

Soil Boring **DP-3**

Page: 2 of 2

Project Lindrith B#24

Owner El Paso CGP Company, LLC

Location Rio Arriba County, New Mexico

Project Number 10509728

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
Continued						
16	0.0	100%			SP	Well-graded sand, brown, dry, water at 23.5', loose, all sand sizes, no cementation, no hydrocarbon odor, minor clay seam at 23.4', soil compacted in the core liner in the 20-25' interval.
18	0.0				SW	
20	0.0					
22	0.0					
24	0.0	DP3 22.5-23.5' 100%				Total depth = 25'.
26	0.0					
28	0.0					
30	0.0					
32	0.0					
34	0.0					



MWH

Drilling Log

Soil Boring **DP-4**

Page: 1 of 2

Project Lindrith B#24 Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509728
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial 23.0ft 05/24/16 00:00 Static ▼
 Hole Depth 25.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/24/2016 Completion Date 5/24/2016 Checked By S. Varsa

COMMENTS

11' SE of MW-1. Water level at MW-1 = 27.12 ft. below TOC, ~23.8 ft. below GS. Surface is dirt with minimal gravel, minor vegetation (sagebrush).

☒ Bentonite Chips ☒ Bentonite Granules ☐ Grout ☐ Bentonite Pellets ☐ Sand Pack ☐ PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
0						Poorly-graded sand, brown, loose, dry, fine sand, no cementation, no hydrocarbon odor, soil compacted in the core liner in the 8-10' and 10-15' intervals. (0-8' cleared with a hydro-vac).
0.0						
2						
0.0						
0.0						
4		100%				
0.0						
0.0						
6						
0.0						
0.0						
8					SP	
0.0						
0.0		100%				
10						
0.0						
0.0						
12						
0.0		100%				
0.0						
14						
0.0						

Drilling Log 2016 LINDRITH LOGS.GPJ MWH I.A.GDT 12/19/16

Continued Next Page



MWH

Drilling Log

Soil Boring

DP-4

Page: 2 of 2

Project Lindrith B#24Owner El Paso CGP Company, LLCLocation Rio Arriba County, New MexicoProject Number 10509728

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.		
Continued								
16	0.0	100%			CH	Fat clay seam, soft to medium stiff, slightly moist, high plasticity, no hydrocarbon odor, dark brown.		
	0.0							
18	0.0				SP	Poorly-graded sand (continues).		
	0.0							
20	0.0	DP4 22-23' 100%			SW	Well-graded sand, brown, loose, all sand sizes, no cementation, trace rounded gravel, subangular to subrounded sand, no hydrocarbon odor, soil compacted in the core liner in the 15-20' and 20-25' intervals;		
	0.0							
22	0.0							thin, dark brown clay seams intermittently from 21-23'; water at 23'.
	0.0							
24	0.0							
	0.0							
26								Total depth = 25'.
28								
30								
32								
34								



MWH

Drilling Log

Soil Boring **DP-5**

Page: 1 of 2

Project Lindrith B#24 Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509728
 Surface Elev. NA North NA East NA
 Top of Casing NA Water Level Initial 23.0ft 05/24/16 00:00 Static NA
 Hole Depth 25.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 2.875 in Casing: Diameter NA Length NA Type NA
 Drill Co. Vista Geoscience Drilling Method Direct Push/Dual-tube Sand Pack NA
 Driller Chase Cain Driller Reg. # WD-1705 Log By Brad Barton
 Start Date 5/24/2016 Completion Date 5/24/2016 Checked By S. Varsa

COMMENTS

11' NE of MW-1. Water level at MW-1 = 27.12 ft. below TOC, ~23.8 ft. below GS. Surface is dirt with minimal gravel, minor vegetation (sagebrush).

☒ Bentonite Chips ☒ Bentonite Granules ☐ Grout ☐ Bentonite Pellets ☐ Sand Pack ☐ PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
0						Poorly-graded sand, brown, dry, loose, fine sand, no cementation, no hydrocarbon odor, soil compacted in the core liner in the 8-10', 10-15', and 15-20' intervals.
0.0						
2						
0.0						
0.0						
4		100%				
0.0						
6						
0.0						
0.0						
8					SP	
0.0						
0.0		100%				
10						
0.0						
0.0						
12						
0.0		100%				
0.0						
14						
0.0						

Drilling Log 2016 LINDRITH LOGS.GPJ MWH I.A.GDT 12/19/16

Continued Next Page



MWH

Drilling Log

Soil Boring

DP-5

Page: 2 of 2

Project Lindrith B#24

Owner El Paso CGP Company, LLC

Location Rio Arriba County, New Mexico

Project Number 10509728

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.
						<i>Continued</i>
16	0.0				SP	
18	0.0	100%				Well-graded sand, brown, dry, slightly moist at 21', water at 23', loose, all sand sizes, no cementation, no hydrocarbon odor, soil compacted in the core liner in the 20-25' interval.
20	0.0				SW	
22	0.0	DP5 22-23' 100%				
24	0.0					
26	0.0					Total depth = 25'.
28						
30						
32						
34						



MWH

Drilling Log

Monitoring Well

MW-1R

Page: 1 of 1

Project Lindrith B#24 Owner El Paso CGP Company, LLC
 Location Rio Arriba County, New Mexico Project Number 10509728
 Surface Elev. 6882.90 ft North NA East NA
 Top of Casing 6885.55 ft Water Level Initial 6859.08 09/29/16 00:00 Static ▼
 Hole Depth 32.5 ft Screen: Diameter 4 in Length 15.0 ft Type/Size PVC/0.01 in
 Hole Diameter 18.25 in Casing: Diameter 4 in Length 18.6 ft Type PVC
 Drill Co. National EWP Drilling Method Hollow Stem Auger Sand Pack 10/20
 Driller Gary Whitley Driller Reg. # WD-1210 Log By Brad Barton
 Start Date 9/29/2016 Completion Date 9/29/2016 Checked By S. Varsa

COMMENTS

Overdrill of MW-1. Surface is dirt with minimal gravel, minor vegetation (sagebrush).

☒ Bentonite Chips ☒ Bentonite Granules ☐ Grout ☐ Bentonite Pellets ☐ Sand Pack ☐ PP Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0						Note: Lithology and field screening data can be found on the log for soil boring SB-1, advanced 4 feet to the west of MW-1R.	
5							
10							
15							
20							
25							
30							

APPENDIX B

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-122218-1

Client Project/Site: Lindrith B #24 Soils

For:

MWH Americas Inc

11153 Aurora Avenue

Des Moines, Iowa 50322-7904

Attn: Steve Varsa



Authorized for release by:

6/9/2016 5:53:54 PM

Marty Edwards, Manager of Project Management

(850)474-1001

marty.edwards@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Job ID: 400-122218-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-122218-1

Comments

No additional comments.

Receipt

The samples were received on 5/26/2016 9:27 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.0° C.

HPLC/IC

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-2 (23-24)

Lab Sample ID: 400-122218-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
C10-C28	39		12	mg/Kg	1	☼	8015B	Total/NA
C28-C35	24		12	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: DP-5 (22-23)

Lab Sample ID: 400-122218-2

No Detections.

Client Sample ID: DP-4 (22-23)

Lab Sample ID: 400-122218-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
C10-C28	73		13	mg/Kg	1	☼	8015B	Total/NA
C28-C35	36		13	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: DP-3 (22.5-23.5)

Lab Sample ID: 400-122218-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
C10-C28	53		13	mg/Kg	1	☼	8015B	Total/NA
C28-C35	24		13	mg/Kg	1	☼	8015B	Total/NA

Client Sample ID: DP-1 (22-23)

Lab Sample ID: 400-122218-5

No Detections.

Client Sample ID: DP-1 (24-25)

Lab Sample ID: 400-122218-6

No Detections.

Client Sample ID: DP-1 (29-30)

Lab Sample ID: 400-122218-7

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-122218-1	DP-2 (23-24)	Solid	05/24/16 12:30	05/26/16 09:27
400-122218-2	DP-5 (22-23)	Solid	05/24/16 13:00	05/26/16 09:27
400-122218-3	DP-4 (22-23)	Solid	05/24/16 13:25	05/26/16 09:27
400-122218-4	DP-3 (22.5-23.5)	Solid	05/24/16 14:00	05/26/16 09:27
400-122218-5	DP-1 (22-23)	Solid	05/24/16 15:05	05/26/16 09:27
400-122218-6	DP-1 (24-25)	Solid	05/24/16 15:15	05/26/16 09:27
400-122218-7	DP-1 (29-30)	Solid	05/24/16 15:20	05/26/16 09:27

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-2 (23-24)

Date Collected: 05/24/16 12:30

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-1

Matrix: Solid

Percent Solids: 83.8

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.11		0.11	mg/Kg	☼	06/06/16 11:30	06/06/16 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125			06/06/16 11:30	06/06/16 14:15	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0011		0.0011	mg/Kg	☼	06/06/16 11:30	06/06/16 14:15	1
Ethylbenzene	<0.0011		0.0011	mg/Kg	☼	06/06/16 11:30	06/06/16 14:15	1
Toluene	<0.0057		0.0057	mg/Kg	☼	06/06/16 11:30	06/06/16 14:15	1
Xylenes, Total	<0.0057		0.0057	mg/Kg	☼	06/06/16 11:30	06/06/16 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	92		40 - 150			06/06/16 11:30	06/06/16 14:15	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	39		12	mg/Kg	☼	06/02/16 09:32	06/07/16 21:17	1
C28-C35	24		12	mg/Kg	☼	06/02/16 09:32	06/07/16 21:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	43		27 - 151			06/02/16 09:32	06/07/16 21:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<24		24	mg/Kg	☼		06/07/16 05:18	1

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-5 (22-23)

Date Collected: 05/24/16 13:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-2

Matrix: Solid

Percent Solids: 82.0

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.10		0.10	mg/Kg	☼	06/06/16 11:30	06/06/16 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	95		65 - 125			06/06/16 11:30	06/06/16 14:49	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010	mg/Kg	☼	06/06/16 11:30	06/06/16 14:49	1
Ethylbenzene	<0.0010		0.0010	mg/Kg	☼	06/06/16 11:30	06/06/16 14:49	1
Toluene	<0.0051		0.0051	mg/Kg	☼	06/06/16 11:30	06/06/16 14:49	1
Xylenes, Total	<0.0051		0.0051	mg/Kg	☼	06/06/16 11:30	06/06/16 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	92		40 - 150			06/06/16 11:30	06/06/16 14:49	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	<12		12	mg/Kg	☼	06/02/16 09:32	06/07/16 21:27	1
C28-C35	<12		12	mg/Kg	☼	06/02/16 09:32	06/07/16 21:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	54		27 - 151			06/02/16 09:32	06/07/16 21:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<24		24	mg/Kg	☼		06/07/16 05:41	1

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-4 (22-23)

Date Collected: 05/24/16 13:25

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-3

Matrix: Solid

Percent Solids: 73.9

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.14		0.14	mg/Kg	☼	06/06/16 11:30	06/06/16 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	95		65 - 125			06/06/16 11:30	06/06/16 15:23	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0014		0.0014	mg/Kg	☼	06/06/16 11:30	06/06/16 15:23	1
Ethylbenzene	<0.0014		0.0014	mg/Kg	☼	06/06/16 11:30	06/06/16 15:23	1
Toluene	<0.0069		0.0069	mg/Kg	☼	06/06/16 11:30	06/06/16 15:23	1
Xylenes, Total	<0.0069		0.0069	mg/Kg	☼	06/06/16 11:30	06/06/16 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	93		40 - 150			06/06/16 11:30	06/06/16 15:23	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	73		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:38	1
C28-C35	36		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	50		27 - 151			06/02/16 09:32	06/07/16 21:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<27		27	mg/Kg	☼		06/07/16 06:03	1

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-3 (22.5-23.5)

Date Collected: 05/24/16 14:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-4

Matrix: Solid

Percent Solids: 73.5

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.14		0.14	mg/Kg	☼	06/06/16 11:30	06/06/16 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	97		65 - 125			06/06/16 11:30	06/06/16 15:57	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0014		0.0014	mg/Kg	☼	06/06/16 11:30	06/06/16 15:57	1
Ethylbenzene	<0.0014		0.0014	mg/Kg	☼	06/06/16 11:30	06/06/16 15:57	1
Toluene	<0.0069		0.0069	mg/Kg	☼	06/06/16 11:30	06/06/16 15:57	1
Xylenes, Total	<0.0069		0.0069	mg/Kg	☼	06/06/16 11:30	06/06/16 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	96		40 - 150			06/06/16 11:30	06/06/16 15:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	53		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:49	1
C28-C35	24		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	44		27 - 151			06/02/16 09:32	06/07/16 21:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<27		27	mg/Kg	☼		06/07/16 06:26	1

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-1 (22-23)

Date Collected: 05/24/16 15:05

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-5

Matrix: Solid

Percent Solids: 74.7

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.11		0.11	mg/Kg	☼	06/06/16 11:30	06/06/16 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125			06/06/16 11:30	06/06/16 16:31	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0011		0.0011	mg/Kg	☼	06/06/16 11:30	06/06/16 16:31	1
Ethylbenzene	<0.0011		0.0011	mg/Kg	☼	06/06/16 11:30	06/06/16 16:31	1
Toluene	<0.0056		0.0056	mg/Kg	☼	06/06/16 11:30	06/06/16 16:31	1
Xylenes, Total	<0.0056		0.0056	mg/Kg	☼	06/06/16 11:30	06/06/16 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	94		40 - 150			06/06/16 11:30	06/06/16 16:31	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	<13		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:59	1
C28-C35	<13		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	55		27 - 151			06/02/16 09:32	06/07/16 21:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<28		28	mg/Kg	☼		06/07/16 06:49	1

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-1 (24-25)

Date Collected: 05/24/16 15:15

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-6

Matrix: Solid

Percent Solids: 73.6

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.13		0.13	mg/Kg	☼	06/06/16 11:30	06/06/16 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125			06/06/16 11:30	06/06/16 17:06	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0013		0.0013	mg/Kg	☼	06/06/16 11:30	06/06/16 17:06	1
Ethylbenzene	<0.0013		0.0013	mg/Kg	☼	06/06/16 11:30	06/06/16 17:06	1
Toluene	<0.0064		0.0064	mg/Kg	☼	06/06/16 11:30	06/06/16 17:06	1
Xylenes, Total	<0.0064		0.0064	mg/Kg	☼	06/06/16 11:30	06/06/16 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	93		40 - 150			06/06/16 11:30	06/06/16 17:06	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	<13		13	mg/Kg	☼	06/02/16 09:32	06/07/16 22:10	1
C28-C35	<13		13	mg/Kg	☼	06/02/16 09:32	06/07/16 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	46		27 - 151			06/02/16 09:32	06/07/16 22:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<27		27	mg/Kg	☼		06/07/16 07:12	1

TestAmerica Pensacola

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-1 (29-30)

Date Collected: 05/24/16 15:20

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-7

Matrix: Solid

Percent Solids: 75.0

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.12		0.12	mg/Kg	☼	06/06/16 11:30	06/06/16 21:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125			06/06/16 11:30	06/06/16 21:39	1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0012		0.0012	mg/Kg	☼	06/06/16 11:30	06/06/16 21:39	1
Ethylbenzene	<0.0012		0.0012	mg/Kg	☼	06/06/16 11:30	06/06/16 21:39	1
Toluene	<0.0060		0.0060	mg/Kg	☼	06/06/16 11:30	06/06/16 21:39	1
Xylenes, Total	<0.0060		0.0060	mg/Kg	☼	06/06/16 11:30	06/06/16 21:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	95		40 - 150			06/06/16 11:30	06/06/16 21:39	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	<13	F1	13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:06	1
C28-C35	<13		13	mg/Kg	☼	06/02/16 09:32	06/07/16 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	28		27 - 151			06/02/16 09:32	06/07/16 21:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<26		26	mg/Kg	☼		06/07/16 07:35	1

QC Association Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

GC VOA

Analysis Batch: 308738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-1	DP-2 (23-24)	Total/NA	Solid	8021B	308786
400-122218-1 MS	DP-2 (23-24)	Total/NA	Solid	8021B	308786
400-122218-1 MSD	DP-2 (23-24)	Total/NA	Solid	8021B	308786
400-122218-2	DP-5 (22-23)	Total/NA	Solid	8021B	308786
400-122218-3	DP-4 (22-23)	Total/NA	Solid	8021B	308786
400-122218-4	DP-3 (22.5-23.5)	Total/NA	Solid	8021B	308786
400-122218-5	DP-1 (22-23)	Total/NA	Solid	8021B	308786
400-122218-6	DP-1 (24-25)	Total/NA	Solid	8021B	308786
400-122218-7	DP-1 (29-30)	Total/NA	Solid	8021B	308786
LCS 400-308738/1013	Lab Control Sample	Total/NA	Solid	8021B	
MB 400-308786/1-A	Method Blank	Total/NA	Solid	8021B	308786

Analysis Batch: 308739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-1	DP-2 (23-24)	Total/NA	Solid	8015B	308786
400-122218-1 MS	DP-2 (23-24)	Total/NA	Solid	8015B	308786
400-122218-1 MSD	DP-2 (23-24)	Total/NA	Solid	8015B	308786
400-122218-2	DP-5 (22-23)	Total/NA	Solid	8015B	308786
400-122218-3	DP-4 (22-23)	Total/NA	Solid	8015B	308786
400-122218-4	DP-3 (22.5-23.5)	Total/NA	Solid	8015B	308786
400-122218-5	DP-1 (22-23)	Total/NA	Solid	8015B	308786
400-122218-6	DP-1 (24-25)	Total/NA	Solid	8015B	308786
400-122218-7	DP-1 (29-30)	Total/NA	Solid	8015B	308786
LCS 400-308786/3-A	Lab Control Sample	Total/NA	Solid	8015B	308786
MB 400-308786/1-A	Method Blank	Total/NA	Solid	8015B	308786

Prep Batch: 308786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-1	DP-2 (23-24)	Total/NA	Solid	5035	
400-122218-1 MS	DP-2 (23-24)	Total/NA	Solid	5035	
400-122218-1 MS	DP-2 (23-24)	Total/NA	Solid	5035	
400-122218-1 MSD	DP-2 (23-24)	Total/NA	Solid	5035	
400-122218-1 MSD	DP-2 (23-24)	Total/NA	Solid	5035	
400-122218-2	DP-5 (22-23)	Total/NA	Solid	5035	
400-122218-3	DP-4 (22-23)	Total/NA	Solid	5035	
400-122218-4	DP-3 (22.5-23.5)	Total/NA	Solid	5035	
400-122218-5	DP-1 (22-23)	Total/NA	Solid	5035	
400-122218-6	DP-1 (24-25)	Total/NA	Solid	5035	
400-122218-7	DP-1 (29-30)	Total/NA	Solid	5035	
LCS 400-308786/3-A	Lab Control Sample	Total/NA	Solid	5035	
MB 400-308786/1-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 308333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-1	DP-2 (23-24)	Total/NA	Solid	3546	
400-122218-2	DP-5 (22-23)	Total/NA	Solid	3546	
400-122218-3	DP-4 (22-23)	Total/NA	Solid	3546	
400-122218-4	DP-3 (22.5-23.5)	Total/NA	Solid	3546	

TestAmerica Pensacola

QC Association Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

GC Semi VOA (Continued)

Prep Batch: 308333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-5	DP-1 (22-23)	Total/NA	Solid	3546	
400-122218-6	DP-1 (24-25)	Total/NA	Solid	3546	
400-122218-7	DP-1 (29-30)	Total/NA	Solid	3546	
400-122218-7 MS	DP-1 (29-30)	Total/NA	Solid	3546	
400-122218-7 MSD	DP-1 (29-30)	Total/NA	Solid	3546	
LCS 400-308333/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 400-308333/23-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 308869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-1	DP-2 (23-24)	Total/NA	Solid	8015B	308333
400-122218-2	DP-5 (22-23)	Total/NA	Solid	8015B	308333
400-122218-3	DP-4 (22-23)	Total/NA	Solid	8015B	308333
400-122218-4	DP-3 (22.5-23.5)	Total/NA	Solid	8015B	308333
400-122218-5	DP-1 (22-23)	Total/NA	Solid	8015B	308333
400-122218-6	DP-1 (24-25)	Total/NA	Solid	8015B	308333
400-122218-7	DP-1 (29-30)	Total/NA	Solid	8015B	308333
400-122218-7 MS	DP-1 (29-30)	Total/NA	Solid	8015B	308333
400-122218-7 MSD	DP-1 (29-30)	Total/NA	Solid	8015B	308333
LCS 400-308333/22-A	Lab Control Sample	Total/NA	Solid	8015B	308333
MB 400-308333/23-A	Method Blank	Total/NA	Solid	8015B	308333

HPLC/IC

Leach Batch: 308530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121955-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
400-121955-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
400-122218-1	DP-2 (23-24)	Soluble	Solid	DI Leach	
400-122218-2	DP-5 (22-23)	Soluble	Solid	DI Leach	
400-122218-3	DP-4 (22-23)	Soluble	Solid	DI Leach	
400-122218-4	DP-3 (22.5-23.5)	Soluble	Solid	DI Leach	
400-122218-5	DP-1 (22-23)	Soluble	Solid	DI Leach	
400-122218-6	DP-1 (24-25)	Soluble	Solid	DI Leach	
400-122218-7	DP-1 (29-30)	Soluble	Solid	DI Leach	
LCS 400-308530/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-308530/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
MB 400-308530/1-A	Method Blank	Soluble	Solid	DI Leach	

Analysis Batch: 308790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-121955-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	308530
400-121955-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	308530
LCS 400-308530/2-A	Lab Control Sample	Soluble	Solid	300.0	308530
LCSD 400-308530/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	308530
MB 400-308530/1-A	Method Blank	Soluble	Solid	300.0	308530

Analysis Batch: 309038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-1	DP-2 (23-24)	Soluble	Solid	300.0	308530

TestAmerica Pensacola

QC Association Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

HPLC/IC (Continued)

Analysis Batch: 309038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122218-2	DP-5 (22-23)	Soluble	Solid	300.0	308530
400-122218-3	DP-4 (22-23)	Soluble	Solid	300.0	308530
400-122218-4	DP-3 (22.5-23.5)	Soluble	Solid	300.0	308530
400-122218-5	DP-1 (22-23)	Soluble	Solid	300.0	308530
400-122218-6	DP-1 (24-25)	Soluble	Solid	300.0	308530
400-122218-7	DP-1 (29-30)	Soluble	Solid	300.0	308530

General Chemistry

Analysis Batch: 307945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-122216-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
400-122218-1	DP-2 (23-24)	Total/NA	Solid	Moisture	
400-122218-2	DP-5 (22-23)	Total/NA	Solid	Moisture	
400-122218-3	DP-4 (22-23)	Total/NA	Solid	Moisture	
400-122218-4	DP-3 (22.5-23.5)	Total/NA	Solid	Moisture	
400-122218-5	DP-1 (22-23)	Total/NA	Solid	Moisture	
400-122218-6	DP-1 (24-25)	Total/NA	Solid	Moisture	
400-122218-7	DP-1 (29-30)	Total/NA	Solid	Moisture	

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 400-308786/1-A

Matrix: Solid

Analysis Batch: 308739

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308786

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	<0.10		0.10	mg/Kg		06/06/16 11:30	06/06/16 13:41	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125			06/06/16 11:30	06/06/16 13:41	1

Lab Sample ID: LCS 400-308786/3-A

Matrix: Solid

Analysis Batch: 308739

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 308786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) C6-C10	1.00	1.02		mg/Kg		102	62 - 141
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid)	98		65 - 125				

Lab Sample ID: 400-122218-1 MS

Matrix: Solid

Analysis Batch: 308739

Client Sample ID: DP-2 (23-24)

Prep Type: Total/NA

Prep Batch: 308786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) C6-C10	<0.11		1.16	0.701		mg/Kg	☼	61	10 - 150
Surrogate	%Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene (fid)	101		65 - 125						

Lab Sample ID: 400-122218-1 MSD

Matrix: Solid

Analysis Batch: 308739

Client Sample ID: DP-2 (23-24)

Prep Type: Total/NA

Prep Batch: 308786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) C6-C10	<0.11		1.13	0.680		mg/Kg	☼	60	10 - 150	3	32
Surrogate	%Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene (fid)	100		65 - 125								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 400-308738/1013

Matrix: Solid

Analysis Batch: 308738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0442		mg/Kg		88	74 - 127
Ethylbenzene	0.0500	0.0457		mg/Kg		91	79 - 131

TestAmerica Pensacola

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 400-308738/1013

Matrix: Solid

Analysis Batch: 308738

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.0500	0.0462		mg/Kg		92	76 - 127
Xylenes, Total	0.150	0.133		mg/Kg		89	80 - 129
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (pid)	98		40 - 150				

Lab Sample ID: MB 400-308786/1-A

Matrix: Solid

Analysis Batch: 308738

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308786

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010	mg/Kg		06/06/16 11:30	06/06/16 13:41	1
Ethylbenzene	<0.0010		0.0010	mg/Kg		06/06/16 11:30	06/06/16 13:41	1
Toluene	<0.0050		0.0050	mg/Kg		06/06/16 11:30	06/06/16 13:41	1
Xylenes, Total	<0.0050		0.0050	mg/Kg		06/06/16 11:30	06/06/16 13:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
a,a,a-Trifluorotoluene (pid)	93		40 - 150	06/06/16 11:30	06/06/16 13:41	1		

Lab Sample ID: 400-122218-1 MS

Matrix: Solid

Analysis Batch: 308738

Client Sample ID: DP-2 (23-24)

Prep Type: Total/NA

Prep Batch: 308786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.0011		0.0562	0.0557		mg/Kg	☼	99	10 - 150
Ethylbenzene	<0.0011		0.0562	0.0444		mg/Kg	☼	79	10 - 150
Toluene	<0.0057		0.0562	0.0487		mg/Kg	☼	87	10 - 150
Xylenes, Total	<0.0057		0.168	0.127		mg/Kg	☼	76	50 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
a,a,a-Trifluorotoluene (pid)	95		40 - 150						

Lab Sample ID: 400-122218-1 MSD

Matrix: Solid

Analysis Batch: 308738

Client Sample ID: DP-2 (23-24)

Prep Type: Total/NA

Prep Batch: 308786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.0011		0.0579	0.0577		mg/Kg	☼	100	10 - 150	4	34
Ethylbenzene	<0.0011		0.0579	0.0467		mg/Kg	☼	81	10 - 150	5	66
Toluene	<0.0057		0.0579	0.0515		mg/Kg	☼	89	10 - 150	6	44
Xylenes, Total	<0.0057		0.174	0.135		mg/Kg	☼	78	50 - 150	6	46
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-Trifluorotoluene (pid)	98		40 - 150								

TestAmerica Pensacola

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 400-308333/23-A

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 308333

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C28	<10		10	mg/Kg		06/02/16 09:32	06/07/16 20:12	1
C28-C35	<10		10	mg/Kg		06/02/16 09:32	06/07/16 20:12	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	65		27 - 151			06/02/16 09:32	06/07/16 20:12	1

Lab Sample ID: LCS 400-308333/22-A

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 308333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	
C10-C28	338	305		mg/Kg		90	63 - 153	
Surrogate	%Recovery	LCS Qualifier	Limits					
o-Terphenyl	102		27 - 151					

Lab Sample ID: 400-122218-7 MS

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: DP-1 (29-30)

Prep Type: Total/NA

Prep Batch: 308333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
C10-C28	<13	F1	445	230	F1	mg/Kg	☼	52	62 - 204	
Surrogate	%Recovery	MS Qualifier	Limits							
o-Terphenyl	63		27 - 151							

Lab Sample ID: 400-122218-7 MSD

Matrix: Solid

Analysis Batch: 308869

Client Sample ID: DP-1 (29-30)

Prep Type: Total/NA

Prep Batch: 308333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	<13	F1	441	235	F1	mg/Kg	☼	53	62 - 204	2	30
Surrogate	%Recovery	MSD Qualifier	Limits								
o-Terphenyl	63		27 - 151								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-308530/1-A

Matrix: Solid

Analysis Batch: 308790

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<20		20	mg/Kg			06/05/16 04:26	1

TestAmerica Pensacola

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-308530/2-A

Matrix: Solid

Analysis Batch: 308790

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	97.4		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 400-308530/3-A

Matrix: Solid

Analysis Batch: 308790

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	100	97.2		mg/Kg		97	80 - 120	0	15

Lab Sample ID: 400-121955-A-1-E MS

Matrix: Solid

Analysis Batch: 308790

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	26		112	136		mg/Kg	☼	98	80 - 120

Lab Sample ID: 400-121955-A-1-F MSD

Matrix: Solid

Analysis Batch: 308790

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	26		112	138		mg/Kg	☼	101	80 - 120	2	15

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-2 (23-24)

Date Collected: 05/24/16 12:30

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

Client Sample ID: DP-2 (23-24)

Date Collected: 05/24/16 12:30

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-1

Matrix: Solid

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.26 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	5.26 g	5.0 g	308739	06/06/16 14:15	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			5.26 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	5.26 g	5.0 g	308738	06/06/16 14:15	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.29 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.29 g	2.0 mL	308869	06/07/16 21:17	RM	TAL PEN
Instrument ID: Eva										
Soluble	Leach	DI Leach			2.47 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 05:18	TAJ	TAL PEN
Instrument ID: IC2										

Client Sample ID: DP-5 (22-23)

Date Collected: 05/24/16 13:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

Client Sample ID: DP-5 (22-23)

Date Collected: 05/24/16 13:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-2

Matrix: Solid

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.01 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	6.01 g	5.0 g	308739	06/06/16 14:49	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			6.01 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	6.01 g	5.0 g	308738	06/06/16 14:49	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.41 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.41 g	2.0 mL	308869	06/07/16 21:27	RM	TAL PEN
Instrument ID: Eva										

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-5 (22-23)

Date Collected: 05/24/16 13:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-2

Matrix: Solid

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.58 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 05:41	TAJ	TAL PEN
Instrument ID: IC2										

Client Sample ID: DP-4 (22-23)

Date Collected: 05/24/16 13:25

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

Client Sample ID: DP-4 (22-23)

Date Collected: 05/24/16 13:25

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-3

Matrix: Solid

Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.90 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	4.90 g	5.0 g	308739	06/06/16 15:23	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			4.90 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	4.90 g	5.0 g	308738	06/06/16 15:23	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.25 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.25 g	2.0 mL	308869	06/07/16 21:38	RM	TAL PEN
Instrument ID: Eva										
Soluble	Leach	DI Leach			2.47 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 06:03	TAJ	TAL PEN
Instrument ID: IC2										

Client Sample ID: DP-3 (22.5-23.5)

Date Collected: 05/24/16 14:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-3 (22.5-23.5)

Date Collected: 05/24/16 14:00

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-4

Matrix: Solid

Percent Solids: 73.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.92 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	4.92 g	5.0 g	308739	06/06/16 15:57	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			4.92 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	4.92 g	5.0 g	308738	06/06/16 15:57	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.32 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.32 g	2.0 mL	308869	06/07/16 21:49	RM	TAL PEN
Instrument ID: Eva										
Soluble	Leach	DI Leach			2.48 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 06:26	TAJ	TAL PEN
Instrument ID: IC2										

Client Sample ID: DP-1 (22-23)

Date Collected: 05/24/16 15:05

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

Client Sample ID: DP-1 (22-23)

Date Collected: 05/24/16 15:05

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-5

Matrix: Solid

Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.01 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	6.01 g	5.0 g	308739	06/06/16 16:31	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			6.01 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	6.01 g	5.0 g	308738	06/06/16 16:31	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.01 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.01 g	2.0 mL	308869	06/07/16 21:59	RM	TAL PEN
Instrument ID: Eva										
Soluble	Leach	DI Leach			2.43 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 06:49	TAJ	TAL PEN
Instrument ID: IC2										

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-1 (24-25)

Date Collected: 05/24/16 15:15

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

Client Sample ID: DP-1 (24-25)

Date Collected: 05/24/16 15:15

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-6

Matrix: Solid

Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.28 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	5.28 g	5.0 g	308739	06/06/16 17:06	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			5.28 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	5.28 g	5.0 g	308738	06/06/16 17:06	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.27 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.27 g	2.0 mL	308869	06/07/16 22:10	RM	TAL PEN
Instrument ID: Eva										
Soluble	Leach	DI Leach			2.55 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 07:12	TAJ	TAL PEN
Instrument ID: IC2										

Client Sample ID: DP-1 (29-30)

Date Collected: 05/24/16 15:20

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			307945	05/28/16 16:16	LEC	TAL PEN
Instrument ID: NOEQUIP										

Client Sample ID: DP-1 (29-30)

Date Collected: 05/24/16 15:20

Date Received: 05/26/16 09:27

Lab Sample ID: 400-122218-7

Matrix: Solid

Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.54 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8015B		1	5.54 g	5.0 g	308739	06/06/16 21:39	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	5035			5.54 g	5.0 g	308786	06/06/16 11:30	GRK	TAL PEN
Total/NA	Analysis	8021B		1	5.54 g	5.0 g	308738	06/06/16 21:39	GRK	TAL PEN
Instrument ID: CH_JOAN										
Total/NA	Prep	3546			15.45 g	2.0 mL	308333	06/02/16 09:32	RDT	TAL PEN
Total/NA	Analysis	8015B		1	15.45 g	2.0 mL	308869	06/07/16 21:06	RM	TAL PEN
Instrument ID: Eva										
Soluble	Leach	DI Leach			2.54 g	50 mL	308530	06/03/16 12:29	TAJ	TAL PEN

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Client Sample ID: DP-1 (29-30)

Lab Sample ID: 400-122218-7

Date Collected: 05/24/16 15:20

Matrix: Solid

Date Received: 05/26/16 09:27

Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Analysis	300.0		1	10 mL		309038	06/07/16 07:35	TAJ	TAL PEN
Instrument ID: IC2										

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Certification Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	07-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-17 *
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Method Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24 Soils

TestAmerica Job ID: 400-122218-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL PEN
8021B	Volatile Organic Compounds (GC)	SW846	TAL PEN
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
Moisture	Percent Moisture	EPA	TAL PEN

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Chain of Custody Record

Client Information Client Contact: Steve Varsa Company: MWH Americas Inc Address: 11153 Aurora Avenue City: Des Moines State: IA Zip: 50322-7904 Phone: 303-291-2239(Tel) Email: steve.varsa@us.mwhglobal.com Project Name: Lindrith B #24 Soils Site: Lindrith B #24		Lab PM: Edwards, Marty P E-Mail: marty.edwards@testamericainc.com Phone: 316 305 2789 Carrier Tracking No(s): 400-55303-24153.1 Page: Page 1 of 1 Job #:	
Due Date Requested: Per ARF TAT Requested (days): Per ARF PO #: 303-291-2239(Tel) Purchase Order Requested: 303-291-2239(Tel) Email: steve.varsa@us.mwhglobal.com Project Name: Lindrith B #24 Soils Site: Lindrith B #24		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - Ascorbic Acid H - Acetic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification Sample ID: AP-2 (23-24) Sample ID: AP-5 (22-23) Sample ID: AP-4 (27-23) Sample ID: AP-3 (22-5-23-5) Sample ID: AP-1 (22-23) Sample ID: AP-1 (24-25) Sample ID: AP-1 (29-30)		Matrix (W=Water, S=Solid, O=Organic, A=Asphalt, G=Gravel, B=Bitumen, L=Leachate, T=Trace, V=Volatile, N=Non-Hazardous, H=Hazardous) Sample Type (G=Grab, C=Composite) Sample Time Date Preservation Code Special Instructions/Note:	
Possible Hazard Identification ☒ Non-Hazardous ☐ Flammable ☐ Skin Irritant ☐ Polson B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab Archive For: Months	
Empty Kit Relinquished by: Relinquished by: Paul Best Relinquished by: Sid 5x Custody Seal No.: A Yes B No		Special Instructions/QC Requirements: Per ARF Method of Shipment: Date/Time: Received by: Date/Time: Received by: MWH Date/Time: 5/25/16 0930 Received by: Fed Ex Date/Time: 5/26/16 0927 Cooler Temperature(s) °C and Other Remarks: 0.0 C JRC	

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-122218-1

Login Number: 122218

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR-6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C



MANIFEST # 55240

GENERATOR EL PASO

POINT OF ORIGIN Lindbergh Bt 24

TRANSPORTER SEARA

DATE 9-30-16 JOB # 14073-0019

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

Generator Onsite Contact	Phone

Signatures required prior to distribution of the legal document.

DISTRIBUTION: **White** - Company Records, **Yellow** - Billing, **Pink** - Customer, **Goldenrod** - LF Copy

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

671851

NO.

NMOC D PERMIT: NM-001-0005

Oil Field Waste Document, Form C138

INVOICE:

DEL. TKT#.

BILL TO:

DRIVER:

(Print Full Name)

CODES:

DATE

GENERATOR:

HAULING CO.

ORDERED BY:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

☐ Produced Water

☐ Drilling/Completion Fluids

☐ Reserve Pit

STATE:

☒ NM

☐ CO

☐ AZ

☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1	SP8	Atreco L 40	4	750			750	2:30 PM
2								
3	1	Lindrieth	1	750			750	
4								
5								

I, John Bryan representative or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt, Oil field wastes generated from oil and gas exploration and production operations and not mixed with non-exempt waste.

☒ Approved

☐ Denied

ATTENDANT SIGNATURE

san Juan reproduction 168-6

APPENDIX D

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-120373-1

Client Project/Site: Lindrith B #24

For:

MWH Americas Inc

11153 Aurora Avenue

Des Moines, Iowa 50322-7904

Attn: Steve Varsa



Authorized for release by:

4/29/2016 9:50:25 AM

Marty Edwards, Manager of Project Management

(850)474-1001

marty.edwards@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Job ID: 400-120373-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-120373-1

Comments

No additional comments.

Receipt

The samples were received on 4/16/2016 9:09 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-120373-1

☐ No Detections.

Client Sample ID: MW-1

Lab Sample ID: 400-120373-2

☐ No Detections.

Client Sample ID: MW-4

Lab Sample ID: 400-120373-3

☐ No Detections.

Client Sample ID: MW-5

Lab Sample ID: 400-120373-4

☐ No Detections.

Client Sample ID: MW-6

Lab Sample ID: 400-120373-5

☐ No Detections.

Client Sample ID: MW-7

Lab Sample ID: 400-120373-6

☐ No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-120373-1	TRIP BLANK	Water	04/14/16 08:00	04/16/16 09:09
400-120373-2	MW-1	Water	04/14/16 09:40	04/16/16 09:09
400-120373-3	MW-4	Water	04/14/16 09:50	04/16/16 09:09
400-120373-4	MW-5	Water	04/14/16 09:55	04/16/16 09:09
400-120373-5	MW-6	Water	04/14/16 10:00	04/16/16 09:09
400-120373-6	MW-7	Water	04/14/16 10:10	04/16/16 09:09

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-120373-1

Date Collected: 04/14/16 08:00

Matrix: Water

Date Received: 04/16/16 09:09

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/26/16 23:00	1
Ethylbenzene	<1.0		1.0	ug/L			04/26/16 23:00	1
Toluene	<5.0		5.0	ug/L			04/26/16 23:00	1
Xylenes, Total	<5.0		5.0	ug/L			04/26/16 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	104		78 - 124		04/26/16 23:00	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: MW-1

Date Collected: 04/14/16 09:40

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-2

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 12:47	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 12:47	1
Toluene	<5.0		5.0	ug/L			04/27/16 12:47	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	100		78 - 124				04/27/16 12:47	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: MW-4
Date Collected: 04/14/16 09:50
Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 14:32	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 14:32	1
Toluene	<5.0		5.0	ug/L			04/27/16 14:32	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	104		78 - 124				04/27/16 14:32	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: MW-5

Date Collected: 04/14/16 09:55

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-4

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 13:15	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 13:15	1
Toluene	<5.0		5.0	ug/L			04/27/16 13:15	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	97		78 - 124				04/27/16 13:15	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: MW-6
Date Collected: 04/14/16 10:00
Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-5
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 11:52	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 11:52	1
Toluene	<5.0		5.0	ug/L			04/27/16 11:52	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 11:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	101		78 - 124				04/27/16 11:52	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: MW-7
Date Collected: 04/14/16 10:10
Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-6
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 12:20	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 12:20	1
Toluene	<5.0		5.0	ug/L			04/27/16 12:20	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 12:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	101		78 - 124				04/27/16 12:20	1

QC Association Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

GC VOA

Analysis Batch: 303450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-120373-1	TRIP BLANK	Total/NA	Water	8021B	
400-120374-B-13 MS	Matrix Spike	Total/NA	Water	8021B	
400-120374-B-13 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	
LCS 400-303450/1001	Lab Control Sample	Total/NA	Water	8021B	
MB 400-303450/2	Method Blank	Total/NA	Water	8021B	

Analysis Batch: 303499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-120248-A-6 MS	Matrix Spike	Total/NA	Water	8021B	
400-120248-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	
400-120373-2	MW-1	Total/NA	Water	8021B	
400-120373-4	MW-5	Total/NA	Water	8021B	
400-120373-5	MW-6	Total/NA	Water	8021B	
400-120373-6	MW-7	Total/NA	Water	8021B	
LCS 400-303499/1001	Lab Control Sample	Total/NA	Water	8021B	
MB 400-303499/3	Method Blank	Total/NA	Water	8021B	

Analysis Batch: 303641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-120373-3	MW-4	Total/NA	Water	8021B	
400-120373-3 MS	MW-4	Total/NA	Water	8021B	
400-120373-3 MSD	MW-4	Total/NA	Water	8021B	
LCS 400-303641/1002	Lab Control Sample	Total/NA	Water	8021B	
MB 400-303641/3	Method Blank	Total/NA	Water	8021B	

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 400-303450/2

Matrix: Water

Analysis Batch: 303450

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/26/16 11:44	1
Ethylbenzene	<1.0		1.0	ug/L			04/26/16 11:44	1
Toluene	<5.0		5.0	ug/L			04/26/16 11:44	1
Xylenes, Total	<5.0		5.0	ug/L			04/26/16 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	103		78 - 124		04/26/16 11:44	1

Lab Sample ID: LCS 400-303450/1001

Matrix: Water

Analysis Batch: 303450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.8		ug/L		98	85 - 115
Ethylbenzene	50.0	48.6		ug/L		97	85 - 115
Toluene	50.0	48.5		ug/L		97	85 - 115
Xylenes, Total	150	146		ug/L		97	85 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	101		78 - 124

Lab Sample ID: 400-120374-B-13 MS

Matrix: Water

Analysis Batch: 303450

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	1200		2500	3570		ug/L		94	44 - 150
Ethylbenzene	940		2500	3390		ug/L		98	70 - 142
Toluene	6400		2500	8830		ug/L		97	69 - 136
Xylenes, Total	5900		7500	13000		ug/L		95	68 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	99		78 - 124

Lab Sample ID: 400-120374-B-13 MSD

Matrix: Water

Analysis Batch: 303450

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	1200		2500	3430		ug/L		88	44 - 150	4	16
Ethylbenzene	940		2500	3300		ug/L		95	70 - 142	3	16
Toluene	6400		2500	8510		ug/L		84	69 - 136	4	16
Xylenes, Total	5900		7500	12800		ug/L		91	68 - 142	2	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	99		78 - 124

TestAmerica Pensacola

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 400-303499/3

Matrix: Water

Analysis Batch: 303499

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 04:03	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 04:03	1
Toluene	<5.0		5.0	ug/L			04/27/16 04:03	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 04:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	103		78 - 124		04/27/16 04:03	1

Lab Sample ID: LCS 400-303499/1001

Matrix: Water

Analysis Batch: 303499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.2		ug/L		100	85 - 115
Ethylbenzene	50.0	49.4		ug/L		99	85 - 115
Toluene	50.0	50.1		ug/L		100	85 - 115
Xylenes, Total	150	148		ug/L		99	85 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	101		78 - 124

Lab Sample ID: 400-120248-A-6 MS

Matrix: Water

Analysis Batch: 303499

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	11		50.0	64.3		ug/L		106	44 - 150
Ethylbenzene	6.8		50.0	58.6		ug/L		104	70 - 142
Toluene	<5.0		50.0	53.9		ug/L		108	69 - 136
Xylenes, Total	8.6		150	170		ug/L		108	68 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	96		78 - 124

Lab Sample ID: 400-120248-A-6 MSD

Matrix: Water

Analysis Batch: 303499

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	11		50.0	62.6		ug/L		102	44 - 150	3	16
Ethylbenzene	6.8		50.0	53.7		ug/L		94	70 - 142	9	16
Toluene	<5.0		50.0	50.9		ug/L		102	69 - 136	6	16
Xylenes, Total	8.6		150	157		ug/L		99	68 - 142	8	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	97		78 - 124

TestAmerica Pensacola

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 400-303641/3

Matrix: Water

Analysis Batch: 303641

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			04/27/16 13:33	1
Ethylbenzene	<1.0		1.0	ug/L			04/27/16 13:33	1
Toluene	<5.0		5.0	ug/L			04/27/16 13:33	1
Xylenes, Total	<5.0		5.0	ug/L			04/27/16 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	105		78 - 124		04/27/16 13:33	1

Lab Sample ID: LCS 400-303641/1002

Matrix: Water

Analysis Batch: 303641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.3		ug/L		93	85 - 115
Ethylbenzene	50.0	46.6		ug/L		93	85 - 115
Toluene	50.0	46.1		ug/L		92	85 - 115
Xylenes, Total	150	140		ug/L		93	85 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	101		78 - 124

Lab Sample ID: 400-120373-3 MS

Matrix: Water

Analysis Batch: 303641

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<1.0		50.0	42.7		ug/L		85	44 - 150
Ethylbenzene	<1.0		50.0	41.9		ug/L		84	70 - 142
Toluene	<5.0		50.0	42.2		ug/L		84	69 - 136
Xylenes, Total	<5.0		150	127		ug/L		85	68 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	101		78 - 124

Lab Sample ID: 400-120373-3 MSD

Matrix: Water

Analysis Batch: 303641

Client Sample ID: MW-4

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	36.7		ug/L		73	44 - 150	15	16
Ethylbenzene	<1.0		50.0	36.5		ug/L		73	70 - 142	14	16
Toluene	<5.0		50.0	36.6		ug/L		73	69 - 136	14	16
Xylenes, Total	<5.0		150	112		ug/L		75	68 - 142	12	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	101		78 - 124

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Client Sample ID: TRIP BLANK

Date Collected: 04/14/16 08:00

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	303450	04/26/16 23:00	MKA	TAL PEN
Instrument ID: ETHYL										

Client Sample ID: MW-1

Date Collected: 04/14/16 09:40

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	303499	04/27/16 12:47	GRK	TAL PEN
Instrument ID: CH_RITA										

Client Sample ID: MW-4

Date Collected: 04/14/16 09:50

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	303641	04/27/16 14:32	MKA	TAL PEN
Instrument ID: ETHYL										

Client Sample ID: MW-5

Date Collected: 04/14/16 09:55

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	303499	04/27/16 13:15	GRK	TAL PEN
Instrument ID: CH_RITA										

Client Sample ID: MW-6

Date Collected: 04/14/16 10:00

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	303499	04/27/16 11:52	GRK	TAL PEN
Instrument ID: CH_RITA										

Client Sample ID: MW-7

Date Collected: 04/14/16 10:10

Date Received: 04/16/16 09:09

Lab Sample ID: 400-120373-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	303499	04/27/16 12:20	GRK	TAL PEN
Instrument ID: CH_RITA										

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Certification Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-16
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-16
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-16
Georgia	State Program	4	N/A	06-30-16
Illinois	NELAP	5	200041	10-09-16
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	05-31-16 *
Kentucky (UST)	State Program	4	53	06-30-16
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-16
Maryland	State Program	3	233	09-30-16
Massachusetts	State Program	1	M-FL094	06-30-16
Michigan	State Program	5	9912	06-30-16
New Jersey	NELAP	2	FL006	06-30-16
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-16
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16
Tennessee	State Program	4	TN02907	06-30-16
Texas	NELAP	6	T104704286-15-9	09-30-16
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-16
West Virginia DEP	State Program	3	136	06-30-16

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Method Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-120373-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-120373-1

Login Number: 120373

List Source: TestAmerica Pensacola

List Number: 1

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1°C IR-6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pensacola

3355 McLemore Drive

Pensacola, FL 32514

Tel: (850)474-1001

TestAmerica Job ID: 400-128738-1

Client Project/Site: Lindrith B #24

For:

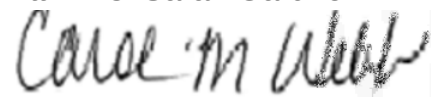
MWH Americas Inc

1560 Broadway

Suite 1800

Denver, Colorado 80202

Attn: Ms. Sarah Gardner



Authorized for release by:

10/27/2016 10:53:00 AM

Carol Webb, Project Manager II

(850)471-6250

carol.webb@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Job ID: 400-128738-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-128738-1

Comments

No additional comments.

Receipt

The samples were received on 10/15/2016 9:13 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-1R

Lab Sample ID: 400-128738-1

☐ No Detections.

Client Sample ID: MW-4

Lab Sample ID: 400-128738-2

☐ No Detections.

Client Sample ID: MW-5

Lab Sample ID: 400-128738-3

☐ No Detections.

Client Sample ID: MW-6

Lab Sample ID: 400-128738-4

☐ No Detections.

Client Sample ID: MW-7

Lab Sample ID: 400-128738-5

☐ No Detections.

Client Sample ID: TB

Lab Sample ID: 400-128738-6

☐ No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pensacola

Sample Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-128738-1	MW-1R	Water	10/13/16 10:15	10/15/16 09:13
400-128738-2	MW-4	Water	10/13/16 10:20	10/15/16 09:13
400-128738-3	MW-5	Water	10/13/16 10:25	10/15/16 09:13
400-128738-4	MW-6	Water	10/13/16 10:28	10/15/16 09:13
400-128738-5	MW-7	Water	10/13/16 10:32	10/15/16 09:13
400-128738-6	TB	Water	10/13/16 00:00	10/15/16 09:13

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-1R

Date Collected: 10/13/16 10:15

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-1

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/25/16 21:36	1
Ethylbenzene	<1.0		1.0	ug/L			10/25/16 21:36	1
Toluene	<5.0		5.0	ug/L			10/25/16 21:36	1
Xylenes, Total	<5.0		5.0	ug/L			10/25/16 21:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	95		78 - 124				10/25/16 21:36	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-4
Date Collected: 10/13/16 10:20
Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-2
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/25/16 22:12	1
Ethylbenzene	<1.0		1.0	ug/L			10/25/16 22:12	1
Toluene	<5.0		5.0	ug/L			10/25/16 22:12	1
Xylenes, Total	<5.0		5.0	ug/L			10/25/16 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	96		78 - 124				10/25/16 22:12	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-5
Date Collected: 10/13/16 10:25
Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-3
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/25/16 22:49	1
Ethylbenzene	<1.0		1.0	ug/L			10/25/16 22:49	1
Toluene	<5.0		5.0	ug/L			10/25/16 22:49	1
Xylenes, Total	<5.0		5.0	ug/L			10/25/16 22:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	94		78 - 124				10/25/16 22:49	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-6
Date Collected: 10/13/16 10:28
Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-4
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/25/16 23:25	1
Ethylbenzene	<1.0		1.0	ug/L			10/25/16 23:25	1
Toluene	<5.0		5.0	ug/L			10/25/16 23:25	1
Xylenes, Total	<5.0		5.0	ug/L			10/25/16 23:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	96		78 - 124				10/25/16 23:25	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-7
Date Collected: 10/13/16 10:32
Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-5
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/26/16 00:01	1
Ethylbenzene	<1.0		1.0	ug/L			10/26/16 00:01	1
Toluene	<5.0		5.0	ug/L			10/26/16 00:01	1
Xylenes, Total	<5.0		5.0	ug/L			10/26/16 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	95		78 - 124				10/26/16 00:01	1

Client Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: TB

Date Collected: 10/13/16 00:00

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-6

Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/25/16 16:09	1
Ethylbenzene	<1.0		1.0	ug/L			10/25/16 16:09	1
Toluene	<5.0		5.0	ug/L			10/25/16 16:09	1
Xylenes, Total	<5.0		5.0	ug/L			10/25/16 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	95		78 - 124				10/25/16 16:09	1

QC Association Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

GC VOA

Analysis Batch: 328065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-128738-1	MW-1R	Total/NA	Water	8021B	
400-128738-2	MW-4	Total/NA	Water	8021B	
400-128738-3	MW-5	Total/NA	Water	8021B	
400-128738-4	MW-6	Total/NA	Water	8021B	
400-128738-5	MW-7	Total/NA	Water	8021B	
400-128738-6	TB	Total/NA	Water	8021B	
MB 400-328065/34	Method Blank	Total/NA	Water	8021B	
LCS 400-328065/1043	Lab Control Sample	Total/NA	Water	8021B	
400-128758-B-12 MS	Matrix Spike	Total/NA	Water	8021B	
400-128758-B-12 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

QC Sample Results

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 400-328065/34

Matrix: Water

Analysis Batch: 328065

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0	ug/L			10/25/16 08:33	1
Ethylbenzene	<1.0		1.0	ug/L			10/25/16 08:33	1
Toluene	<5.0		5.0	ug/L			10/25/16 08:33	1
Xylenes, Total	<5.0		5.0	ug/L			10/25/16 08:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (pid)	94		78 - 124		10/25/16 08:33	1

Lab Sample ID: LCS 400-328065/1043

Matrix: Water

Analysis Batch: 328065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	46.9		ug/L		94	85 - 115
Ethylbenzene	50.0	47.4		ug/L		95	85 - 115
Toluene	50.0	47.4		ug/L		95	85 - 115
Xylenes, Total	150	138		ug/L		92	85 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	99		78 - 124

Lab Sample ID: 400-128758-B-12 MS

Matrix: Water

Analysis Batch: 328065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<1.0		50.0	50.7		ug/L		101	44 - 150
Ethylbenzene	<1.0		50.0	45.0		ug/L		90	70 - 142
Toluene	<5.0		50.0	47.5		ug/L		95	69 - 136
Xylenes, Total	<5.0	F2	150	132		ug/L		88	68 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	99		78 - 124

Lab Sample ID: 400-128758-B-12 MSD

Matrix: Water

Analysis Batch: 328065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	54.0		ug/L		108	44 - 150	6	16
Ethylbenzene	<1.0		50.0	52.9		ug/L		106	70 - 142	16	16
Toluene	<5.0		50.0	52.8		ug/L		106	69 - 136	11	16
Xylenes, Total	<5.0	F2	150	156	F2	ug/L		104	68 - 142	16	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene (pid)	99		78 - 124

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Client Sample ID: MW-1R

Date Collected: 10/13/16 10:15

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	328065	10/25/16 21:36	SAB	TAL PEN
Instrument ID: CH_JOAN										

Client Sample ID: MW-4

Date Collected: 10/13/16 10:20

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	328065	10/25/16 22:12	SAB	TAL PEN
Instrument ID: CH_JOAN										

Client Sample ID: MW-5

Date Collected: 10/13/16 10:25

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	328065	10/25/16 22:49	SAB	TAL PEN
Instrument ID: CH_JOAN										

Client Sample ID: MW-6

Date Collected: 10/13/16 10:28

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	328065	10/25/16 23:25	SAB	TAL PEN
Instrument ID: CH_JOAN										

Client Sample ID: MW-7

Date Collected: 10/13/16 10:32

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	328065	10/26/16 00:01	SAB	TAL PEN
Instrument ID: CH_JOAN										

Client Sample ID: TB

Date Collected: 10/13/16 00:00

Date Received: 10/15/16 09:13

Lab Sample ID: 400-128738-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	328065	10/25/16 16:09	SAB	TAL PEN
Instrument ID: CH_JOAN										

TestAmerica Pensacola

Lab Chronicle

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Certification Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-17
Arizona	State Program	9	AZ0710	01-11-17
Arkansas DEQ	State Program	6	88-0689	09-01-17
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-17
Georgia	State Program	4	N/A	06-30-17
Illinois	NELAP	5	200041	10-09-17
Iowa	State Program	7	367	08-01-18
Kansas	NELAP	7	E-10253	10-31-17
Kentucky (UST)	State Program	4	53	06-30-17
Kentucky (WW)	State Program	4	98030	12-31-16
Louisiana	NELAP	6	30976	06-30-17
Maryland	State Program	3	233	09-30-17
Massachusetts	State Program	1	M-FL094	06-30-17
Michigan	State Program	5	9912	05-06-17
New Jersey	NELAP	2	FL006	06-30-17
North Carolina (WW/SW)	State Program	4	314	12-31-16
Oklahoma	State Program	6	9810	08-31-17
Pennsylvania	NELAP	3	68-00467	01-31-17
Rhode Island	State Program	1	LAO00307	12-30-16
South Carolina	State Program	4	96026	06-30-16 *
Tennessee	State Program	4	TN02907	06-30-17
Texas	NELAP	6	T104704286-16-10	09-30-17
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-17
Washington	State Program	10	C915	05-15-17
West Virginia DEP	State Program	3	136	06-30-17

* Certification renewal pending - certification considered valid.

TestAmerica Pensacola

Method Summary

Client: MWH Americas Inc
Project/Site: Lindrith B #24

TestAmerica Job ID: 400-128738-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	TAL PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING		ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD		TestAmerica Pensacola 3355 McLemore Drive Pensacola, FL 32514 Phone: 850-474-1001 Fax: 850-478-2671 Website: www.testamericainc.com	
CLIENT ERC APC	ADDRESS	PROJECT NO. 10508834	CLIENT PROJECT MANAGER Clint Oberbroeckling	PROJECT LOC. (STATE) FL	QUOTE NO.
SAMPLED BY CWO	CONTRACT / P.O. NO. ARC# ERC-MW-09-23-16-CWO-01	PRESERVATIVE	MATRIX	REQUESTED ANALYSIS	BOTTLE ORDER NO.
CLIENT PHONE 25-210-4299	CLIENT E-MAIL OR FAX	☒ No Preservative	☐ Air	 400-128738 COC	C
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Drinking Water	POSSIBLE HAZARD IDENTIFICATION	ORDER - LOG-IN NO.
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Other:	NUMBER OF CONTAINERS SUBMITTED	
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ NA2S2O3 - Sodium Thiosulfate		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Drinking Water		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Other:		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Drinking Water		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Other:		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Drinking Water		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Other:		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Drinking Water		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Other:		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Drinking Water		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Other:		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Drinking Water		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Other:		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Drinking Water		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Other:		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Drinking Water		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Other:		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Drinking Water		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Other:		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Drinking Water		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Other:		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Drinking Water		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Other:		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ HCL - Hydrochloric Acid	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY		☐ HNO3 - Nitric Acid	☐ Drinking Water		
LABORATORY USE ONLY		☐ H2SO4 - Sulfuric Acid or H3PO4	☐ Other:		
LABORATORY USE ONLY		☐ NAOH - Sodium Hydroxide	☐ Aqueous GW, SW, WW		
LABORATORY USE ONLY		☐ CH3OH - Methanol	☐ Solid, Semisolid, Sediment		
LABORATORY USE ONLY					

Login Sample Receipt Checklist

Client: MWH Americas Inc

Job Number: 400-128738-1

Login Number: 128738

List Source: TestAmerica Pensacola

List Number: 1

Creator: Chambers, Cheryle A

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	745576
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0°C IR5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	