PCS. ~~84069~~ mp NE 0137654 8-23-18 mp
IIS: 84069 (Please scan both sides)

Pomajzl, Mark

From: hlr3@midwestlabs.com
Sent: Thursday, August 23, 2018 2:40 PM
To: Pomajzl, Mark
Subject: Report from Midwest Labs for 34564 (154100400): AltEN Mead NE Liquid
Attachments: 154100400.pdf

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2018005135O

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23 August 2018

Work Order: 1541004

MARK POMAJZL
NDEQ - 34564
PO BOX 98922
LINCOLN, NE 68509
RE: AltEN Mead NE

Enclosed are the results of analyses for samples received by the laboratory on 2018-08-01 14:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather Ramig

Heather Ramig
Project Manager
heather@midwestlabs.com

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Liquid	1541004-01	Aqueous	2018-08-01 13:31	2018-08-01 14:55
Wetcake Barn	1541004-02	Solid	2018-08-01 13:15	2018-08-01 14:55
Wetcake Staging	1541004-03	Solid	2018-08-01 13:27	2018-08-01 14:55

Containers used for the following analyses:

1541004-01 A:	SM 2540 D-1997, SM 5210 B-2001
1541004-01 B:	SM 5220 D, SM 5310 B-2011
1541004-01 C:	SM 4500-NH3 C-1997
1541004-02 A 01:	EPA 8260, EPA 8270
1541004-03 A 01:	EPA 8260, EPA 8270

Analysis Results Reviewed by:

EPA 8260 reviewed by amw7.

EPA 8270 reviewed by amw7.

SM 2540 D-1997 reviewed by cmw2.

SM 4500-NH3 C-1997 reviewed by mjs5.

SM 5210 B-2001 reviewed by cmw2.

SM 5220 D reviewed by mjs5.

SM 5310 B-2011 reviewed by cmw2.

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

Sample ID: Liquid
Laboratory ID: 1541004-01
Sampled Date/Time: 2018-08-01 13:31

Analyte	Result	Reporting Limit	Units	Method	Prepared	Analyzed	Analyst	(Container) / Notes
Environmental Chemistry								
Ammonia as N	1420	12.5	mg/L	SM 4500-NH3 C-1997	2018-08-03	2018-08-03	kjs3	(C)
Biochemical Oxygen Demand	12300	200	mg/L	SM 5210 B-2001	2018-08-02/12:35	2018-08-07/10:04	lkm2	(A)
Chemical Oxygen Demand	25400	5000	mg/L	SM 5220 D	2018-08-03	2018-08-03	nam7	(B)
Total Suspended Solids	540	4	mg/L	SM 2540 D-1997	2018-08-03	2018-08-03	bjs0	(A)
Total Organic Carbon	10300	1000	mg/L	SM 5310 B-2011	2018-08-07	2018-08-07	lkm2	(B)

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NDEQ - 34564
PO BOX 98922
LINCOLN, NE 68509

Project: AltEN Mead NE
Project Manager: MARK POMAJZL

Reported:
2018-08-23 14:12

Sample ID: Wetcake Barn
Laboratory ID: 1541004-02
Sampled Date/Time: 2018-08-01 13:15

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result		Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds in TCLP Extract										
Vinyl chloride	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
1,1-Dichloroethene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
2-Butanone	130	40.0	ug/L	130	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Chloroform	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
1,2-Dichloroethane	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Carbon Tetrachloride	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Benzene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Trichloroethene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Tetrachloroethene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Chlorobenzene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
1,4-Dichlorobenzene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Surrogate: Toluene-d8		*104 %*		*80-120*		*EPA 8260*	*2018-08-21*	*2018-08-21*		(A 01)
Surrogate: Bromofluorobenzene		*96 %*		*71.1-120*		*EPA 8260*	*2018-08-21*	*2018-08-21*		(A 01)
Surrogate: 1,2-Dichlorobenzene-d4		*100 %*		*80-120*		*EPA 8260*	*2018-08-21*	*2018-08-21*		(A 01)
Semivolatile Organic Compounds in TCLP Extract										
Pyridine	<	0.1	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
1,4-Dichlorobenzene	<	0.09	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Hexachloroethane	<	0.01	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Nitrobenzene	<	0.05	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Hexachlorobutadiene	<	0.02	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
2,4,6-Trichlorophenol	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
2,4,5-Trichlorophenol	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
2,4-Dinitrotoluene	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Hexachlorobenzene	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Pentachlorophenol	<	0.1	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Total Cresol	<	0.1	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Surrogate: 2-Fluorophenol		*87 %*		*42.8-135*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: Phenol-d6		*87 %*		*38.5-127*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: Nitrobenzene-d5		*79 %*		*55-120*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: 2-Fluorobiphenyl		*88 %*		*54.9-120*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: 2,4,6-Tribromophenol		*82 %*		*45.5-130*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: Terphenyl-d14		*23 %*		*24.5-120*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)

Work Order: 1541004

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NDEQ - 34564
PO BOX 98922
LINCOLN, NE 68509

Project: AltEN Mead NE
Project Manager: MARK POMAJZL

Reported:
2018-08-23 14:12

Sample ID: Wetcake Staging
Laboratory ID: 1541004-03
Sampled Date/Time: 2018-08-01 13:27

Analyte	Dry Weight Result	Reporting Limit	Units	As Received Result		Method	Prepared	Analyzed	Analyst	(Container) / Notes
Volatile Organic Compounds in TCLP Extract										
Vinyl chloride	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
1,1-Dichloroethene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
2-Butanone	122	40.0	ug/L	122	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Chloroform	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
1,2-Dichloroethane	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Carbon Tetrachloride	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Benzene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Trichloroethene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Tetrachloroethene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Chlorobenzene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
1,4-Dichlorobenzene	<	5.0	ug/L	<	ug/L	EPA 8260	2018-08-21	2018-08-21	nmh9	(A 01)
Surrogate: Toluene-d8		*105 %*		*80-120*		*EPA 8260*	*2018-08-21*	*2018-08-21*		(A 01)
Surrogate: Bromofluorobenzene		*96 %*		*71.1-120*		*EPA 8260*	*2018-08-21*	*2018-08-21*		(A 01)
Surrogate: 1,2-Dichlorobenzene-d4		*99 %*		*80-120*		*EPA 8260*	*2018-08-21*	*2018-08-21*		(A 01)
Semivolatile Organic Compounds in TCLP Extract										
Pyridine	<	0.1	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
1,4-Dichlorobenzene	<	0.09	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Hexachloroethane	<	0.01	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Nitrobenzene	<	0.05	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Hexachlorobutadiene	<	0.02	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
2,4,6-Trichlorophenol	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
2,4,5-Trichlorophenol	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
2,4-Dinitrotoluene	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Hexachlorobenzene	<	0.03	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Pentachlorophenol	<	0.1	mg/L	<	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Total Cresol	1.0	0.1	mg/L	1.0	mg/L	EPA 8270	2018-08-06	2018-08-14	nmh9	(A 01)
Surrogate: 2-Fluorophenol		*91 %*		*42.8-135*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: Phenol-d6		*92 %*		*38.5-127*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: Nitrobenzene-d5		*89 %*		*55-120*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: 2-Fluorobiphenyl		*86 %*		*54.9-120*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: 2,4,6-Tribromophenol		*76 %*		*45.5-130*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)
Surrogate: Terphenyl-d14		*12 %*		*24.5-120*		*EPA 8270*	*2018-08-06*	*2018-08-14*		(A 01)

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

Volatile Organic Compounds in TCLP Extract - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B805930										
Blank (B805930-BLK1)				Prepared & Analyzed: 2018-08-21						
Vinyl chloride	<	5.0	ug/L							
1,1-Dichloroethene	<	5.0	ug/L							
2-Butanone	<	40.0	ug/L							
Chloroform	<	5.0	ug/L							
1,2-Dichloroethane	<	5.0	ug/L							
Carbon Tetrachloride	<	5.0	ug/L							
Benzene	<	5.0	ug/L							
Trichloroethene	<	5.0	ug/L							
Tetrachloroethene	<	5.0	ug/L							
Chlorobenzene	<	5.0	ug/L							
1,4-Dichlorobenzene	<	5.0	ug/L							
Surrogate: Toluene-d8	*5.18*		ug/L	*5.00*		*104*	*80-120*			
Surrogate: Bromofluorobenzene	*4.52*		ug/L	*5.00*		*90*	*71.1-120*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.78*		ug/L	*5.00*		*96*	*80-120*			
Blank (B805930-BLK2)				Prepared & Analyzed: 2018-08-21						
Vinyl chloride	<	5.0	ug/L							
1,1-Dichloroethene	<	5.0	ug/L							
2-Butanone	<	40.0	ug/L							
Chloroform	<	5.0	ug/L							
1,2-Dichloroethane	<	5.0	ug/L							
Carbon Tetrachloride	<	5.0	ug/L							
Benzene	<	5.0	ug/L							
Trichloroethene	<	5.0	ug/L							
Tetrachloroethene	<	5.0	ug/L							
Chlorobenzene	<	5.0	ug/L							
1,4-Dichlorobenzene	<	5.0	ug/L							
Surrogate: Toluene-d8	*5.21*		ug/L	*5.00*		*104*	*80-120*			
Surrogate: Bromofluorobenzene	*4.58*		ug/L	*5.00*		*92*	*71.1-120*			
Surrogate: 1,2-Dichlorobenzene-d4	*4.88*		ug/L	*5.00*		*98*	*80-120*			

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NDEQ - 34564
PO BOX 98922
LINCOLN, NE 68509

Project: AltEN Mead NE
Project Manager: MARK POMAJZL

Reported:
2018-08-23 14:12

Semivolatile Organic Compounds in TCLP Extract - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B805425										
Blank (B805425-BLK1)				Prepared: 2018-08-06 Analyzed: 2018-08-14						
Pyridine	<	0.01	mg/L							
1,4-Dichlorobenzene	<	0.009	mg/L							
Hexachloroethane	<	0.001	mg/L							
Nitrobenzene	<	0.005	mg/L							
Hexachlorobutadiene	<	0.002	mg/L							
2,4,6-Trichlorophenol	<	0.003	mg/L							
2,4,5-Trichlorophenol	<	0.003	mg/L							
2,4-Dinitrotoluene	<	0.003	mg/L							
Hexachlorobenzene	<	0.003	mg/L							
Pentachlorophenol	<	0.01	mg/L							
Total Cresol	<		mg/L							
Surrogate: 2-Fluorophenol	*0.0555*		mg/L	*0.0750*		*74*	*42.8-135*			
Surrogate: Phenol-d6	*0.0534*		mg/L	*0.0750*		*71*	*38.5-127*			
Surrogate: Nitrobenzene-d5	*0.0376*		mg/L	*0.0500*		*75*	*55-120*			
Surrogate: 2-Fluorobiphenyl	*0.0369*		mg/L	*0.0500*		*74*	*54.9-120*			
Surrogate: 2,4,6-Tribromophenol	*0.0528*		mg/L	*0.0750*		*70*	*45.5-130*			
Surrogate: Terphenyl-d14	*0.0266*		mg/L	*0.0500*		*53*	*24.5-120*			
LCS (B805425-BS1)				Prepared: 2018-08-06 Analyzed: 2018-08-14						
Pyridine	0.01	0.01	mg/L	0.0500		25	0-0			
1,4-Dichlorobenzene	0.03	0.009	mg/L	0.0500		69	38.9-120			
2-Methylphenol	0.04	0.004	mg/L	0.0500		82	24.1-120			
Hexachloroethane	0.03	0.001	mg/L	0.0500		67	33.4-120			
3 & 4-Methylphenol	0.08	0.004	mg/L	0.100		79	50.2-120			
Nitrobenzene	0.04	0.005	mg/L	0.0500		80	53.7-120			
Hexachlorobutadiene	0.03	0.002	mg/L	0.0500		70	41.9-120			
2,4,6-Trichlorophenol	0.04	0.003	mg/L	0.0500		74	64.4-120			
2,4,5-Trichlorophenol	0.03	0.003	mg/L	0.0500		70	65.7-120			
2,4-Dinitrotoluene	0.04	0.003	mg/L	0.0500		75	59.4-120			
Hexachlorobenzene	0.02	0.003	mg/L	0.0500		30	54.6-120			
Pentachlorophenol	0.04	0.01	mg/L	0.0500		74	4.76-165			
Surrogate: 2-Fluorophenol	*0.0610*		mg/L	*0.0750*		*81*	*42.8-135*			
Surrogate: Phenol-d6	*0.0583*		mg/L	*0.0750*		*78*	*38.5-127*			
Surrogate: Nitrobenzene-d5	*0.0396*		mg/L	*0.0500*		*79*	*55-120*			
Surrogate: 2-Fluorobiphenyl	*0.0381*		mg/L	*0.0500*		*76*	*54.9-120*			
Surrogate: 2,4,6-Tribromophenol	*0.0553*		mg/L	*0.0750*		*74*	*45.5-130*			
Surrogate: Terphenyl-d14	*0.0253*		mg/L	*0.0500*		*51*	*24.5-120*			

Work Order: 1541004

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

Environmental Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B805360										
Blank (B805360-BLK1)				Prepared: 2018-08-02 Analyzed: 2018-08-07						
Biochemical Oxygen Demand	<	2	mg/L							
LCS (B805360-BS1)				Prepared: 2018-08-02 Analyzed: 2018-08-07						
Biochemical Oxygen Demand	179.7	2	mg/L	198		90.8	84.6-115.4			
Duplicate (B805360-DUP1)		**Source: 1540495-01**		Prepared: 2018-08-02 Analyzed: 2018-08-07						
Biochemical Oxygen Demand	30.5	2	mg/L		28.1			8.18	20	
Batch B805376										
Blank (B805376-BLK1)				Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	<	4	mg/L							
LCS (B805376-BS1)				Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	49.0	4	mg/L	50.0		98.0	90-110			
Duplicate (B805376-DUP1)		**Source: 1540219-01**		Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	6300	4	mg/L		5363			16.1	10	
Duplicate (B805376-DUP2)		**Source: 1540219-01**		Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	6200	4	mg/L		5363			14.5	10	
Duplicate (B805376-DUP3)		**Source: 1540219-01**		Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	4300	4	mg/L		5363			22.0	10	
Duplicate (B805376-DUP4)		**Source: 1540219-01**		Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	5100	4	mg/L		5363			5.03	10	

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

Environmental Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B805376										
Duplicate (B805376-DUP5)		**Source: 1540219-01**		Prepared & Analyzed: 2018-08-03						
Total Suspended Solids	4700	4	mg/L		5363			13.2	10	
Batch B805391										
Blank (B805391-BLK1)				Prepared & Analyzed: 2018-08-03						
Ammonia as N	<	0.10	mg/L							
LCS (B805391-BS1)				Prepared & Analyzed: 2018-08-03						
Ammonia as N	7.600	0.10	mg/L	8.00		95.0	90-110			
Matrix Spike (B805391-MS1)		**Source: 1539195-01**		Prepared & Analyzed: 2018-08-03						
Ammonia as N	373.8	5.00	mg/L	400	6.260	91.9	90-110			
Matrix Spike Dup (B805391-MSD1)		**Source: 1539195-01**		Prepared & Analyzed: 2018-08-03						
Ammonia as N	389.4	5.00	mg/L	400	6.260	95.8	90-110	4.09	10	
Batch B805393										
Blank (B805393-BLK1)				Prepared & Analyzed: 2018-08-03						
Chemical Oxygen Demand	<	5	mg/L							
Blank (B805393-BLK2)				Prepared & Analyzed: 2018-08-03						
Chemical Oxygen Demand	<	5	mg/L							
LCS (B805393-BS1)				Prepared & Analyzed: 2018-08-03						
Chemical Oxygen Demand	39.0	5	mg/L	40.0		97.5	90-110			

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NDEQ - 34564
PO BOX 98922
LINCOLN, NE 68509

Project: AltEN Mead NE
Project Manager: MARK POMAJZL

Reported:
2018-08-23 14:12

Environmental Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B805393										
LCS Dup (B805393-BSD1)				Prepared & Analyzed: 2018-08-03						
Chemical Oxygen Demand	39.0	5	mg/L	40.0		97.5	90-110	0.00	10	
Matrix Spike (B805393-MS1)		Source: 1539993-02		Prepared & Analyzed: 2018-08-03						
Chemical Oxygen Demand	8196	500	mg/L	4000	4688	87.7	90-110			
Matrix Spike Dup (B805393-MSD1)		Source: 1539993-02		Prepared & Analyzed: 2018-08-03						
Chemical Oxygen Demand	8391	500	mg/L	4000	4688	92.6	90-110	2.35	10	
Batch B805455										
Blank (B805455-BLK1)				Prepared & Analyzed: 2018-08-07						
Total Organic Carbon	<	1.0	mg/L							
LCS (B805455-BS1)				Prepared & Analyzed: 2018-08-07						
Total Organic Carbon	10.40	1.0	mg/L	10.0		104	90-110			
Matrix Spike (B805455-MS1)		Source: 1540649-11		Prepared & Analyzed: 2018-08-07						
Total Organic Carbon	19.70	1.0	mg/L	20.0	0.75	94.8	90-110			
Matrix Spike Dup (B805455-MSD1)		Source: 1540649-11		Prepared & Analyzed: 2018-08-07						
Total Organic Carbon	20.00	1.0	mg/L	20.0	0.75	96.2	90-110	1.51	10	

Work Order: 1541004

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

Certified Analyses included in this Report

Method	Analyte	Certifications
SM 2540 D-1997 in Aqueous	Total Suspended Solids	FL,KS,TX,UT,IA,OK
SM 4500-NH3 C-1997 in Aqueous	Ammonia as N	FL,KS,TX,UT,IA,OK
SM 5210 B-2001 in Aqueous	Biochemical Oxygen Demand	KS,TX,FL,UT,IA,OK
SM 5220 D in Aqueous	Chemical Oxygen Demand	IA,FL,KS,OK,TX,UT,WA
SM 5310 B-2011 in Aqueous	Total Organic Carbon	TX,KS,FL,UT,OK,IA

Non-Certified Analyses included in this Report

Method	Analyte
EPA 8260 in Solid	Vinyl chloride
	1,1-Dichloroethene
	2-Butanone
	Chloroform
	1,2-Dichloroethane
	Carbon Tetrachloride
	Benzene
	Trichloroethene
	Tetrachloroethene
	Chlorobenzene
	1,4-Dichlorobenzene
EPA 8270 in Solid	Pyridine
	1,4-Dichlorobenzene
	Hexachloroethane
	Nitrobenzene
	Hexachlorobutadiene
	2,4,6-Trichlorophenol
	2,4,5-Trichlorophenol
	2,4-Dinitrotoluene
	Hexachlorobenzene
	Pentachlorophenol
	Total Cresol

Code	Description	Number	Expires
FL	Florida Department of Health	E87918	06/30/2019
FL-B	Florida Department of Health	E871122	06/30/2019
IA	Iowa Department of Natural Resources	064	05/01/2019
KS	Kansas Department of Health and Environment	E-10402	04/30/2019
OK	Oklahoma Department of Environmental Quality	2017-105	08/31/2018
TX	Texas Commission on Environmental Quality	T104704416-17-11	07/31/2018
TX-B	Texas Commission on Environmental Quality	T104704546-17-1	07/31/2018
UT	State of Utah Department of Health	NE000012018-8	07/31/2019
WA	State of Washington Department of Ecology	C912	06/07/2019

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NDEQ - 34564	Project: AltEN Mead NE	
PO BOX 98922		**Reported:**
LINCOLN, NE 68509	Project Manager: MARK POMAJZL	2018-08-23 14:12

Notes and Definitions

<	Less than reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

EPA 524.2, EPA 624, EPA 8260, OA-1, TCLP VOC, GRO, and all microbiological analyses are conducted in the facility located at 13606 B Street, Omaha, NE 68144. All other analyses are conducted in the main facility located at 13611 B Street, Omaha, NE 68144.

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1541004

Lab Work Order Number: ~~1540693~~
Date Generated: 07/31/2018

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CHAIN OF CUSTODY

Vert

Client Name: NDEQ - 34564
Client Contact: MARK POMAIZL
Address: PO BOX 98922
City: LINCOLN
State/Zip: NE, 68509
Phone: 4024714227 Fax: 4024712909
Sampling Person (printed): MARK Pomaizl

Project Name: Allen Mead NE
Project Description:
Purchase Order Number:
Midwest Labs Contact: Heather Ramig
Regulatory Agency Cost: Yes / No
Regulatory Agency: NDEQ
Sample Type (Circle one or more below): D G W SW U P

Copy To:

1541004
COC
Sticker #: 1

Requested Analyses (Test Names): Ammonia, TOC, COD; BOD, TSS; TCLP VOC, TCLP SVOC; TCLP Metals; TCLP Pesticides

Lab ID	Sample Name or Field ID	Sampled Date	Sampled Time	Sample Code	Matrix Code	Container Count	Ammonia, TOC, COD	BOD, TSS		TCLP VOC, TCLP SVOC	TCLP Metals	TCLP Pesticides				Sample Comments
01	Wetcake WW 1	8-1-18	10:16	S/H	A	2	1	1		0	0	0				
02	Wetcake WW 2	8-1-18	1881		A	2	1	1		0	0	0				
03	Wetcake 1 for TCLP	8-1-18	1224	S/H	S	4	0	0		2	1	1				
04	Wetcake 2 for TCLP	8-1-18	1329	S/H	S	4	0	0		2	1	1				
01	liquid	8/1/18	1888				X	X								
	Wetcake Barn		1722							X	X	X				client is aware of pending dit for TCLP Pest. SHR 8/1/18
	Wetcake Staging		1827							X	X	X				

2833749-750
Sample No. 2 1/3
Matrix: Water
2018 08 01 10:00

2833749
Met / pest

2833750
Met / pest

Relinquished By	Date/Time	Received By	Date/Time
X Mark Pomaizl	8/1/18 1650	Heather Ramig	8/1/18 1455

Comments:

Lab Internal Use Only:
Temperature Upon Receipt: 30.4 - 1.0
Cooler Number(s):
Notes:

Matrix Codes: A=Aqueous, S=Solid

Preservation Codes: 1=Cool 0°C, 2=None

Sample Type Codes: D = Drinking Water (Safe Drinking Water Act), G = Groundwater, W = Wastewater (Clean Water Act), S/H = Solid/Hazardous Waste (RCRA), U = Underground Storage Tank (UST), P = Process Water

Chain of Custody will have a signature upon receipt for no subsequent signatures.

RE Form 33 - Effective 10/31/2013

Work Order 1540693

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1541004
COC
Sticker #: 2

Regulatory

This sheet **MUST** be filled out before samples can be processed. To ensure that holding times are met, it is your responsibility that a completed form comes attached to the Chain of Custody. **Samples must be received on ice.**

Is this sample for regulatory/permit reporting? ☒ Yes ☐ No

What city/state was your sample collected in? MEAD, NEBRASKA

What agency/state are you reporting to? NDEQ

What type of sample? (Circle One) **Drinking Water** **Ground Water** **Wastewater**

Solid waste **Hazardous Waste** **UST**

Storm Water **Process Water**

SEE REVERSE SIDE FOR SAMPLING INSTRUCTIONS

RC FORM 14-2 Effective 07/01/16

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Sample Acceptance Checklist
Document Number: RC CHKLIST 001
Revision No.: 3
Effective Date: 1/31/17
Page 1 of 1

2833749-750
Sampler: 2 Page: 3/3
Ashlyn Hilman
2018 08 01 16:53

Lab Number:

Thermometer Used: ☐ Therm Fisher IR 14

Sample Temperature (°C): 30-4C

Cooler Intact: ☒ Yes ☐ No
Received on Ice: ☒ Yes ☐ No
Hand Delivered: ☒ Yes ☐ No

Date & Initials of person accepting samples: AH 8/1/18

				Comments:
Chain of Custody present?	☒ Yes	☐ No	☐ N/A	
Chain of Custody complete?	☒ Yes	☐ No	☐ N/A	
Sample ID(s):	☒ Yes	☐ No	☐ N/A	
Sample Location(s):	☒ Yes	☐ No	☐ N/A	
Client Contact:	☒ Yes	☐ No	☐ N/A	
Analysis Requested:	☒ Yes	☐ No	☐ N/A	
Sampler name on COC?	☒ Yes	☐ No	☐ N/A	
Date & Time of collection:	☒ Yes	☐ No	☐ N/A	
Sample labels match COC?	☒ Yes	☐ No	☐ N/A	
Written in indelible ink?	☒ Yes	☐ No	☐ N/A	
Labels indicate proper preservation?	☒ Yes	☐ No	☐ N/A	
Chain of Custody relinquished with signature?	☒ Yes	☐ No	☐ N/A	
Samples arrived within hold time?	☒ Yes	☐ No	☐ N/A	
Sufficient volume?	☒ Yes	☐ No	☐ N/A	
Appropriate containers used?	☒ Yes	☐ No	☐ N/A	
Filtered volume received for dissolved tests?	☐ Yes	☐ No	☒ N/A	
Headspace in VOA vials?	☐ Yes	☐ No	☒ N/A	
Trip Blank present?	☐ Yes	☒ No	☐ N/A	

Client Notification/Resolution: Date/Time Contacted: _____

Person Contacted: _____ Contacted By: _____

Comments/Resolution: _____

1541004
COC
Sticker #: 3