HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

October 14, 2021

Naudiea Davis

El Segundo Coal Co
PO Box 757
Grants, NM 87000
TEL: (505) 285-3000
FAX (505) 285-3084

RE: El Segundo Groundwater Wells OrderNo.: 2109G97

Dear Naudiea Davis:

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/29/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: El Segundo Coal Co
Client Sample ID: Gallup
Project: El Segundo Groundwater Wells
Collection Date: 9/28/2021 8:35:00 AM
Lab ID: 2109G97-001 **Matrix:** AQUEOUS **Received Date:** 9/29/2021 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	ND	0.0010		mg/L	1	10/5/2021 4:34:26 PM	C81815
Copper	ND	0.0010		mg/L	1	10/5/2021 4:34:26 PM	C81815
Lead	ND	0.00050		mg/L	1	10/5/2021 4:34:26 PM	C81815
Selenium	ND	0.0010		mg/L	1	10/7/2021 12:22:35 PM	A81868
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	0.23	0.10		mg/L	1	9/30/2021 8:33:02 AM	R81714
Chloride	15	0.50		mg/L	1	9/30/2021 8:33:02 AM	R81714
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	9/30/2021 8:33:02 AM	R81714
Sulfate	890	10	*	mg/L	20	9/30/2021 8:45:26 AM	R81714
SM2320B: ALKALINITY						Analyst: **CAS**	
Bicarbonate (As CaCO3)	189.4	20.00		mg/L Ca	1	10/4/2021 6:26:37 PM	R81775
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	10/4/2021 6:26:37 PM	R81775
Total Alkalinity (as CaCO3)	189.4	20.00		mg/L Ca	1	10/4/2021 6:26:37 PM	R81775
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMT**	
Total Dissolved Solids	1410	20.0	*	mg/L	1	10/6/2021 12:09:00 PM	63036
SM4500-H+B / 9040C: PH						Analyst: **CAS**	
pH	8.15		H	pH units	1	10/4/2021 6:26:37 PM	R81775
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.011	0.0020		mg/L	1	10/4/2021 12:48:48 PM	A81767
Cadmium	ND	0.0020		mg/L	1	10/4/2021 12:48:48 PM	A81767
Calcium	36	1.0		mg/L	1	10/4/2021 12:48:48 PM	A81767
Chromium	ND	0.0060		mg/L	1	10/4/2021 12:48:48 PM	A81767
Iron	0.18	0.020		mg/L	1	10/4/2021 12:48:48 PM	A81767
Magnesium	18	1.0		mg/L	1	10/4/2021 12:48:48 PM	A81767
Manganese	0.069	0.0020	*	mg/L	1	10/4/2021 12:48:48 PM	A81767
Potassium	4.1	1.0		mg/L	1	10/5/2021 11:47:24 AM	B81793
Silver	ND	0.0050		mg/L	1	10/4/2021 12:48:48 PM	A81767
Sodium	400	5.0		mg/L	5	10/4/2021 12:50:28 PM	A81767
Zinc	0.12	0.010		mg/L	1	10/4/2021 12:48:48 PM	A81767
EPA METHOD 245.1: MERCURY						Analyst: **ags**	
Mercury	ND	0.00020		mg/L	1	10/12/2021 10:15:49 AM	63200

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: El Segundo Coal Co
Client Sample ID: Plant Welll
Project: El Segundo Groundwater Wells
Collection Date: 9/28/2021 9:15:00 AM
Lab ID: 2109G97-002 **Matrix:** AQUEOUS **Received Date:** 9/29/2021 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	ND	0.0010		mg/L	1	10/5/2021 4:37:06 PM	C81815
Copper	ND	0.0010		mg/L	1	10/5/2021 4:37:06 PM	C81815
Lead	ND	0.00050		mg/L	1	10/5/2021 4:37:06 PM	C81815
Selenium	ND	0.0010		mg/L	1	10/7/2021 12:25:15 PM	A81868
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	0.20	0.10		mg/L	1	9/30/2021 8:57:50 AM	R81714
Chloride	16	0.50		mg/L	1	9/30/2021 8:57:50 AM	R81714
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	9/30/2021 8:57:50 AM	R81714
Sulfate	920	10	*	mg/L	20	9/30/2021 9:10:14 AM	R81714
SM2320B: ALKALINITY						Analyst: **CAS**	
Bicarbonate (As CaCO3)	191.2	20.00		mg/L Ca	1	10/4/2021 6:47:52 PM	R81775
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	10/4/2021 6:47:52 PM	R81775
Total Alkalinity (as CaCO3)	191.2	20.00		mg/L Ca	1	10/4/2021 6:47:52 PM	R81775
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMT**	
Total Dissolved Solids	1470	20.0	*	mg/L	1	10/6/2021 12:09:00 PM	63036
SM4500-H+B / 9040C: PH						Analyst: **CAS**	
pH	8.14		H	pH units	1	10/4/2021 6:47:52 PM	R81775
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.0093	0.0020		mg/L	1	10/4/2021 12:52:06 PM	A81767
Cadmium	ND	0.0020		mg/L	1	10/4/2021 12:52:06 PM	A81767
Calcium	38	1.0		mg/L	1	10/4/2021 12:52:06 PM	A81767
Chromium	ND	0.0060		mg/L	1	10/4/2021 12:52:06 PM	A81767
Iron	0.11	0.020		mg/L	1	10/4/2021 12:52:06 PM	A81767
Magnesium	19	1.0		mg/L	1	10/4/2021 12:52:06 PM	A81767
Manganese	0.11	0.0020	*	mg/L	1	10/4/2021 12:52:06 PM	A81767
Potassium	3.9	1.0		mg/L	1	10/5/2021 11:51:49 AM	B81793
Silver	ND	0.0050		mg/L	1	10/4/2021 12:52:06 PM	A81767
Sodium	420	5.0		mg/L	5	10/4/2021 12:53:44 PM	A81767
Zinc	0.073	0.010		mg/L	1	10/4/2021 12:52:06 PM	A81767
EPA METHOD 245.1: MERCURY						Analyst: **ags**	
Mercury	ND	0.00020		mg/L	1	10/12/2021 10:30:18 AM	63200

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: El Segundo Coal Co
Client Sample ID: Dalton
Project: El Segundo Groundwater Wells
Collection Date: 9/28/2021 10:20:00 AM
Lab ID: 2109G97-003
Matrix: AQUEOUS
Received Date: 9/29/2021 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	ND	0.0010		mg/L	1	10/5/2021 4:53:05 PM	C81815
Copper	ND	0.0010		mg/L	1	10/7/2021 12:35:53 PM	A81868
Lead	ND	0.00050		mg/L	1	10/5/2021 4:53:05 PM	C81815
Selenium	ND	0.0010		mg/L	1	10/7/2021 12:35:53 PM	A81868
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	ND	0.10		mg/L	1	9/30/2021 9:22:39 AM	R81714
Chloride	17	0.50		mg/L	1	9/30/2021 9:22:39 AM	R81714
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	9/30/2021 9:22:39 AM	R81714
Sulfate	970	10	*	mg/L	20	9/30/2021 9:35:03 AM	R81714
SM2320B: ALKALINITY						Analyst: **CAS**	
Bicarbonate (As CaCO3)	93.88	20.00		mg/L Ca	1	10/4/2021 6:58:39 PM	R81775
Carbonate (As CaCO3)	ND	2.000		mg/L Ca	1	10/4/2021 6:58:39 PM	R81775
Total Alkalinity (as CaCO3)	93.88	20.00		mg/L Ca	1	10/4/2021 6:58:39 PM	R81775
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMT**	
Total Dissolved Solids	1420	20.0	*	mg/L	1	10/6/2021 12:09:00 PM	63036
SM4500-H+B / 9040C: PH						Analyst: **CAS**	
pH	8.29		H	pH units	1	10/4/2021 6:58:39 PM	R81775
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.018	0.0020		mg/L	1	10/4/2021 12:55:21 PM	A81767
Cadmium	ND	0.0020		mg/L	1	10/4/2021 12:55:21 PM	A81767
Calcium	85	1.0		mg/L	1	10/4/2021 12:55:21 PM	A81767
Chromium	ND	0.0060		mg/L	1	10/4/2021 12:55:21 PM	A81767
Iron	0.049	0.020		mg/L	1	10/4/2021 12:55:21 PM	A81767
Magnesium	43	1.0		mg/L	1	10/4/2021 12:55:21 PM	A81767
Manganese	0.016	0.0020		mg/L	1	10/4/2021 12:55:21 PM	A81767
Potassium	6.5	1.0		mg/L	1	10/5/2021 11:56:10 AM	B81793
Silver	ND	0.0050		mg/L	1	10/4/2021 12:55:21 PM	A81767
Sodium	290	5.0		mg/L	5	10/4/2021 12:57:01 PM	A81767
Zinc	0.097	0.010		mg/L	1	10/4/2021 12:55:21 PM	A81767
EPA METHOD 245.1: MERCURY						Analyst: **ags**	
Mercury	ND	0.00020		mg/L	1	10/12/2021 10:32:43 AM	63200

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: El Segundo Coal Co
Client Sample ID: East Side
Project: El Segundo Groundwater Wells
Collection Date: 9/28/2021 10:58:00 AM
Lab ID: 2109G97-004 **Matrix:** AQUEOUS **Received Date:** 9/29/2021 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	ND	0.0010		mg/L	1	10/7/2021 12:41:12 PM	A81868
Copper	ND	0.0010		mg/L	1	10/7/2021 12:41:12 PM	A81868
Lead	ND	0.00050		mg/L	1	10/7/2021 12:41:12 PM	A81868
Selenium	ND	0.0010		mg/L	1	10/7/2021 12:41:12 PM	A81868
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	0.33	0.10		mg/L	1	9/30/2021 10:12:17 AM	R81714
Chloride	14	0.50		mg/L	1	9/30/2021 10:12:17 AM	R81714
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	9/30/2021 10:12:17 AM	R81714
Sulfate	760	10	*	mg/L	20	9/30/2021 10:24:41 AM	R81714
SM2320B: ALKALINITY						Analyst: **CAS**	
Bicarbonate (As CaCO3)	211.2	20.00		mg/L Ca	1	10/4/2021 7:07:15 PM	R81775
Carbonate (As CaCO3)	6.560	2.000		mg/L Ca	1	10/4/2021 7:07:15 PM	R81775
Total Alkalinity (as CaCO3)	217.8	20.00		mg/L Ca	1	10/4/2021 7:07:15 PM	R81775
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMT**	
Total Dissolved Solids	1290	20.0	*	mg/L	1	10/6/2021 12:09:00 PM	63036
SM4500-H+B / 9040C: PH						Analyst: **CAS**	
pH	8.49		H	pH units	1	10/4/2021 7:07:15 PM	R81775
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.0091	0.0020		mg/L	1	10/4/2021 12:58:39 PM	A81767
Cadmium	ND	0.0020		mg/L	1	10/4/2021 12:58:39 PM	A81767
Calcium	16	1.0		mg/L	1	10/4/2021 12:58:39 PM	A81767
Chromium	ND	0.0060		mg/L	1	10/4/2021 12:58:39 PM	A81767
Iron	0.026	0.020		mg/L	1	10/4/2021 12:58:39 PM	A81767
Magnesium	7.3	1.0		mg/L	1	10/4/2021 12:58:39 PM	A81767
Manganese	0.019	0.0020		mg/L	1	10/4/2021 12:58:39 PM	A81767
Potassium	3.1	1.0		mg/L	1	10/5/2021 11:57:45 AM	B81793
Silver	ND	0.0050		mg/L	1	10/4/2021 12:58:39 PM	A81767
Sodium	410	5.0		mg/L	5	10/4/2021 1:00:19 PM	A81767
Zinc	0.11	0.010		mg/L	1	10/4/2021 12:58:39 PM	A81767
EPA METHOD 245.1: MERCURY						Analyst: **ags**	
Mercury	ND	0.00020		mg/L	1	10/12/2021 10:35:08 AM	63200

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: El Segundo Coal Co
Client Sample ID: KPL-6
Project: El Segundo Groundwater Wells
Collection Date: 9/28/2021 11:20:00 AM
Lab ID: 2109G97-005 **Matrix:** AQUEOUS **Received Date:** 9/29/2021 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	ND	0.0010		mg/L	1	10/7/2021 12:49:14 PM	A81868
Copper	ND	0.0010		mg/L	1	10/7/2021 12:49:14 PM	A81868
Lead	ND	0.00050		mg/L	1	10/7/2021 12:49:14 PM	A81868
Selenium	ND	0.0010		mg/L	1	10/7/2021 12:49:14 PM	A81868
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	0.57	0.10		mg/L	1	9/30/2021 10:37:05 AM	R81714
Chloride	20	10		mg/L	20	9/30/2021 10:49:29 AM	R81714
Nitrogen, Nitrate (As N)	0.54	0.10		mg/L	1	9/30/2021 10:37:05 AM	R81714
Sulfate	460	10	*	mg/L	20	9/30/2021 10:49:29 AM	R81714
SM2320B: ALKALINITY						Analyst: **CAS**	
Bicarbonate (As CaCO3)	461.7	20.00		mg/L Ca	1	10/4/2021 7:19:27 PM	R81775
Carbonate (As CaCO3)	4.000	2.000		mg/L Ca	1	10/4/2021 7:19:27 PM	R81775
Total Alkalinity (as CaCO3)	465.7	20.00		mg/L Ca	1	10/4/2021 7:19:27 PM	R81775
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMT**	
Total Dissolved Solids	1210	20.0	*	mg/L	1	10/6/2021 12:09:00 PM	63036
SM4500-H+B / 9040C: PH						Analyst: **CAS**	
pH	8.36		H	pH units	1	10/4/2021 7:19:27 PM	R81775
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.016	0.0020		mg/L	1	10/4/2021 1:08:48 PM	A81767
Cadmium	ND	0.0020		mg/L	1	10/4/2021 1:08:48 PM	A81767
Calcium	8.6	1.0		mg/L	1	10/4/2021 1:08:48 PM	A81767
Chromium	ND	0.0060		mg/L	1	10/4/2021 1:08:48 PM	A81767
Iron	ND	0.020		mg/L	1	10/4/2021 1:08:48 PM	A81767
Magnesium	2.7	1.0		mg/L	1	10/4/2021 1:08:48 PM	A81767
Manganese	0.0093	0.0020		mg/L	1	10/4/2021 1:08:48 PM	A81767
Potassium	2.7	1.0		mg/L	1	10/5/2021 11:59:20 AM	B81793
Silver	ND	0.0050		mg/L	1	10/4/2021 1:08:48 PM	A81767
Sodium	430	5.0		mg/L	5	10/4/2021 1:10:30 PM	A81767
Zinc	0.44	0.010		mg/L	1	10/4/2021 1:08:48 PM	A81767
EPA METHOD 245.1: MERCURY						Analyst: **ags**	
Mercury	ND	0.00020		mg/L	1	10/12/2021 10:37:35 AM	63200

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: El Segundo Coal Co
Client Sample ID: KPL-5
Project: El Segundo Groundwater Wells
Collection Date: 9/28/2021 12:00:00 PM
Lab ID: 2109G97-006 **Matrix:** AQUEOUS **Received Date:** 9/29/2021 2:00:00 PM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Arsenic	ND	0.0010		mg/L	1	10/7/2021 12:51:53 PM	A81868
Copper	ND	0.0010		mg/L	1	10/7/2021 12:51:53 PM	A81868
Lead	ND	0.00050		mg/L	1	10/7/2021 12:51:53 PM	A81868
Selenium	ND	0.0010		mg/L	1	10/7/2021 12:51:53 PM	A81868
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Fluoride	0.75	0.10		mg/L	1	9/30/2021 11:01:54 AM	R81714
Chloride	8.8	0.50		mg/L	1	9/30/2021 11:01:54 AM	R81714
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	9/30/2021 11:01:54 AM	R81714
Sulfate	200	10		mg/L	20	9/30/2021 11:14:18 AM	R81714
SM2320B: ALKALINITY						Analyst: **CAS**	
Bicarbonate (As CaCO3)	435.8	20.00		mg/L Ca	1	10/4/2021 7:38:37 PM	R81775
Carbonate (As CaCO3)	3.360	2.000		mg/L Ca	1	10/4/2021 7:38:37 PM	R81775
Total Alkalinity (as CaCO3)	439.2	20.00		mg/L Ca	1	10/4/2021 7:38:37 PM	R81775
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **JMT**	
Total Dissolved Solids	812	20.0	*	mg/L	1	10/6/2021 12:09:00 PM	63036
SM4500-H+B / 9040C: PH						Analyst: **CAS**	
pH	8.37		H	pH units	1	10/4/2021 7:38:37 PM	R81775
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **ELS**	
Barium	0.019	0.0020		mg/L	1	10/4/2021 1:12:09 PM	A81767
Cadmium	ND	0.0020		mg/L	1	10/4/2021 1:12:09 PM	A81767
Calcium	7.8	1.0		mg/L	1	10/4/2021 1:12:09 PM	A81767
Chromium	ND	0.0060		mg/L	1	10/4/2021 1:12:09 PM	A81767
Iron	0.030	0.020		mg/L	1	10/4/2021 1:12:09 PM	A81767
Magnesium	3.7	1.0		mg/L	1	10/4/2021 1:12:09 PM	A81767
Manganese	0.0068	0.0020		mg/L	1	10/4/2021 1:12:09 PM	A81767
Potassium	2.2	1.0		mg/L	1	10/5/2021 12:00:57 PM	B81793
Silver	ND	0.0050		mg/L	1	10/4/2021 1:12:09 PM	A81767
Sodium	300	5.0		mg/L	5	10/4/2021 1:13:51 PM	A81767
Zinc	0.21	0.010		mg/L	1	10/4/2021 1:12:09 PM	A81767
EPA METHOD 245.1: MERCURY						Analyst: **ags**	
Mercury	ND	0.00020		mg/L	1	10/12/2021 10:40:00 AM	63200

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

ANALYTICAL REPORT

October 11, 2021

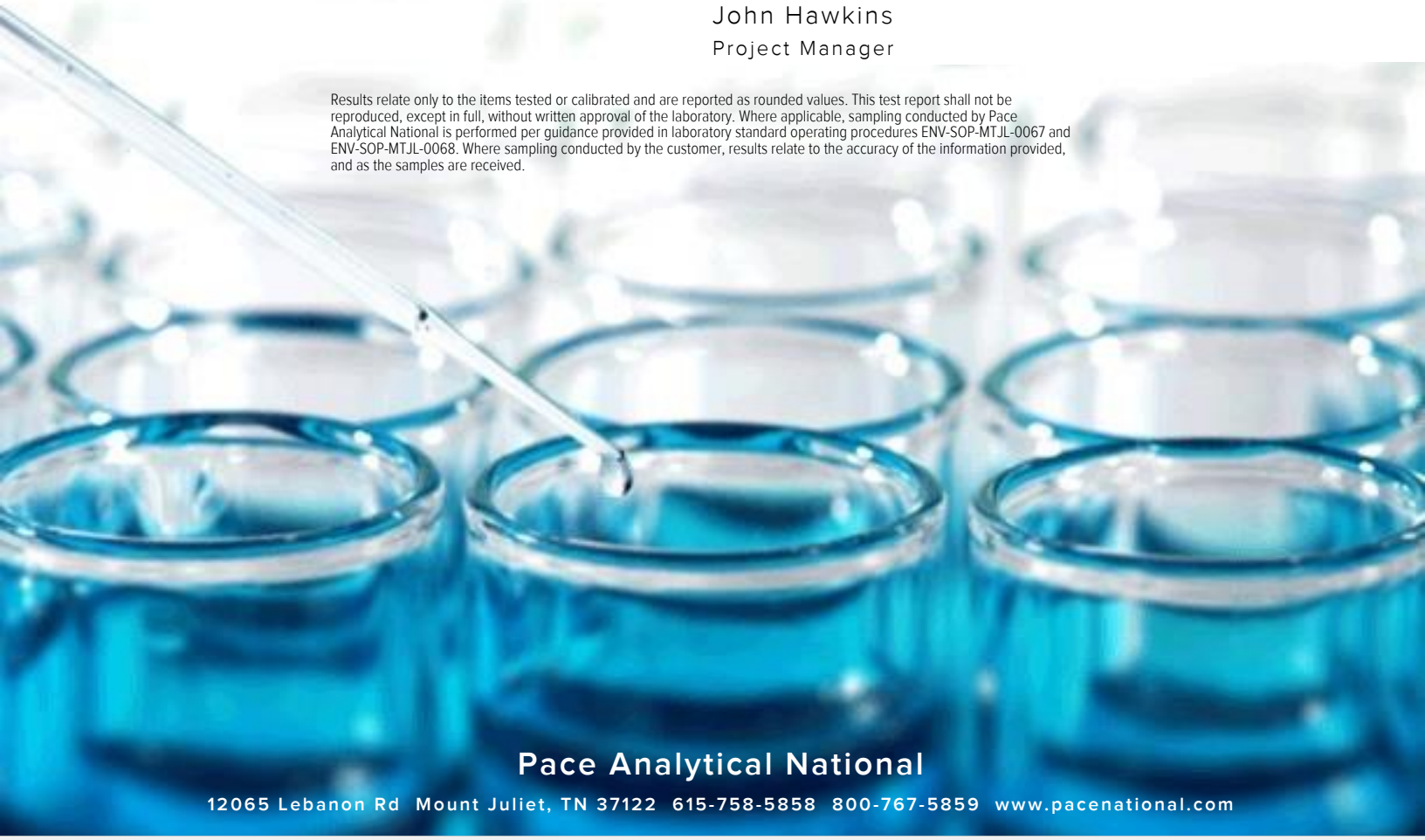
Hall Environmental Analysis Laboratory

Sample Delivery Group:	L1413329
Samples Received:	10/05/2021
Project Number:	
Description:	

Report To: Andy Freeman
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:

John Hawkins
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

2109G97-001D GALLUP L1413329-01 WW

Collected by | Collected date/time 09/28/21 15:24 | Received date/time 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1754062	1	10/09/21 17:05	10/10/21 00:11	SDL	Mt. Juliet, TN

2109G97-002D PLANT WELL L1413329-02 WW

Collected by | Collected date/time 09/28/21 09:15 | Received date/time 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1754062	1	10/09/21 17:05	10/10/21 00:13	SDL	Mt. Juliet, TN

2109G97-003D DALTON L1413329-03 WW

Collected by | Collected date/time 09/28/21 10:20 | Received date/time 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1754062	1	10/09/21 17:05	10/10/21 00:16	SDL	Mt. Juliet, TN

2109G97-004D EAST SIDE L1413329-04 WW

Collected by | Collected date/time 09/28/21 10:58 | Received date/time 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1754062	1	10/09/21 17:05	10/10/21 00:20	SDL	Mt. Juliet, TN

2109G97-005D KPL-6 L1413329-05 WW

Collected by | Collected date/time 09/28/21 11:20 | Received date/time 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1754062	1	10/09/21 17:05	10/10/21 00:21	SDL	Mt. Juliet, TN

2109G97-006D KPL-5 L1413329-06 WW

Collected by | Collected date/time 09/28/21 12:00 | Received date/time 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1754062	1	10/09/21 17:05	10/10/21 00:24	SDL	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

John Hawkins
Project Manager

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.00500	1	10/10/2021 00:11	WG1754062

Wet Chemistry by Method 4500CN E-2011

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Cyanide	ND	J3 J6	0.00500	1	10/10/2021 00:13	WG1754062

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.00500	1	10/10/2021 00:16	WG1754062

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.00500	1	10/10/2021 00:20	WG1754062

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.00500	1	10/10/2021 00:21	WG1754062

Wet Chemistry by Method 4500CN E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Cyanide	ND		0.00500	1	10/10/2021 00:24	WG1754062

QUALITY CONTROL SUMMARY

L1413329-01,02,03,04,05,06

Method Blank (MB)

(MB) R3714410-2 10/09/21 23:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Cyanide	0.00343	J	0.00180	0.00500

L1413329-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1413329-01 10/10/21 00:11 • (DUP) R3714410-4 10/10/21 00:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

L1413329-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1413329-03 10/10/21 00:16 • (DUP) R3714410-7 10/10/21 00:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3714410-3 10/09/21 23:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	0.100	0.105	105	87.1-120	

L1413329-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1413329-02 10/10/21 00:13 • (MS) R3714410-5 10/10/21 00:14 • (MSD) R3714410-6 10/10/21 00:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.103	0.0246	103	24.6	1	90.0-110		J3 J6	123	20

L1413329-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1413329-05 10/10/21 00:21 • (MS) R3714410-8 10/10/21 00:22 • (MSD) R3714410-9 10/10/21 00:23

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	0.100	ND	0.107	0.107	107	107	1	90.0-110			0.000	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

G062

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: clients.hallenvironmental.com

SUB CONTRATOR:	Pace TN	COMPANY: PACE TN	PHONE: (800) 767-5859	FAX: (615) 758-5859	
ADDRESS:	12065 Lebanon Rd		ACCOUNT #:	EMAIL:	
CITY, STATE, ZIP:	Mt. Juliet, TN 37122				

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2109G97-001D	Gallup	500AMBHDP F-NAOH	Aqueous	9/28/2021 3:24:00 PM	1	Total Cyanide L1413329-01
2	2109G97-002D	Plant Welll	500AMBHDP F-NAOH	Aqueous	9/28/2021 9:15:00 AM	1	Total Cyanide 02
3	2109G97-003D	Dalton	500AMBHDP F-NAOH	Aqueous	9/28/2021 10:20:00 AM	1	Total Cyanide 03
4	2109G97-004D	East Side	500AMBHDP F-NAOH	Aqueous	9/28/2021 10:58:00 AM	1	Total Cyanide 04
5	2109G97-005D	KPL-6	500AMBHDP F-NAOH	Aqueous	9/28/2021 11:20:00 AM	1	Total Cyanide 05
6	2109G97-006D	KPL-5	500AMBHDP F-NAOH	Aqueous	9/28/2021 12:00:00 PM	1	Total Cyanide 06

Sample Receipt Checklist

COC Seal Present/Intact:	Y__N	If Applicable	
COC Signed/Accurate:	Y__N	VOA Zero Headspace:	__Y__N
Bottles arrive intact:	Y__N	Pres.Correct/Check:	__Y__N
Correct bottles used:	Y__N		
Sufficient volume sent:	Y__N		
RAD Screen <0.5 mR/hr:	Y N		

0360
0.9+.1=1.0
COC SE

5300 4295 6743

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: I~O~	Date: 9/29/2021	Time: 3:40 PM	Received By:	Date: 10/5/21	Time: 945
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ■ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **MB** SampType: **MBLK** TestCode: **EPA Method 200.7: Dissolved Metals**

Client ID: **PBW** Batch ID: **A81767** RunNo: **81767**

Prep Date: Analysis Date: **10/4/2021** SeqNo: **2891360** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	ND	0.0020								
Beryllium	ND	0.0020								
Cadmium	ND	0.0020								
Calcium	ND	1.0								
Chromium	ND	0.0060								
Iron	ND	0.020								
Magnesium	ND	1.0								
Manganese	ND	0.0020								
Nickel	ND	0.010								
Silver	ND	0.0050								
Sodium	ND	1.0								
Zinc	ND	0.010								

Sample ID: **LLLCS** SampType: **LCSLL** TestCode: **EPA Method 200.7: Dissolved Metals**

Client ID: **BatchQC** Batch ID: **A81767** RunNo: **81767**

Prep Date: Analysis Date: **10/4/2021** SeqNo: **2891362** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.0021	0.0020	0.002000	0	105	50	150			
Beryllium	0.0022	0.0020	0.002000	0	111	50	150			
Cadmium	ND	0.0020	0.002000	0	87.4	50	150			
Calcium	ND	1.0	0.5000	0	101	50	150			
Chromium	ND	0.0060	0.006000	0	89.0	50	150			
Iron	0.024	0.020	0.02000	0	118	50	150			
Magnesium	ND	1.0	0.5000	0	92.5	50	150			
Manganese	0.0022	0.0020	0.002000	0	108	50	150			
Nickel	ND	0.010	0.005000	0	77.1	50	150			
Silver	0.0050	0.0050	0.005000	0	100	50	150			
Sodium	ND	1.0	0.5000	0	97.1	50	150			
Zinc	0.012	0.010	0.01000	0	123	50	150			

Sample ID: **LCS** SampType: **LCS** TestCode: **EPA Method 200.7: Dissolved Metals**

Client ID: **LCSW** Batch ID: **A81767** RunNo: **81767**

Prep Date: Analysis Date: **10/4/2021** SeqNo: **2891364** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.49	0.0020	0.5000	0	98.9	85	115			
Beryllium	0.51	0.0020	0.5000	0	102	85	115			
Cadmium	0.49	0.0020	0.5000	0	98.3	85	115			
Calcium	50	1.0	50.00	0	99.8	85	115			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A81767**	RunNo: **81767**
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891364** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.48	0.0060	0.5000	0	96.7	85	115			
Iron	0.49	0.020	0.5000	0	98.5	85	115			
Magnesium	49	1.0	50.00	0	97.8	85	115			
Manganese	0.48	0.0020	0.5000	0	95.4	85	115			
Nickel	0.47	0.010	0.5000	0	93.1	85	115			
Silver	0.098	0.0050	0.1000	0	97.6	85	115			
Sodium	50	1.0	50.00	0	100	85	115			
Zinc	0.50	0.010	0.5000	0	99.6	85	115			

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **PBW**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2892923** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	ND	1.0								

Sample ID: **LLLCS**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2892925** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	ND	1.0	0.5000	0	94.7	50	150			

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2892927** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	49	1.0	50.00	0	98.2	85	115			

Sample ID: **2109G97-001CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Gallup**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2893036** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	56	1.0	50.00	4.077	103	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **2109G97-001CMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Gallup**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2893037** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	57	1.0	50.00	4.077	106	70	130	2.52	20	

Sample ID: **2109G97-002CMS**	SampType: **MS**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Plant Welll**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2893039** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	56	1.0	50.00	3.925	104	70	130			

Sample ID: **2109G97-002CMSD**	SampType: **MSD**	TestCode: **EPA Method 200.7: Dissolved Metals**
Client ID: **Plant Welll**	Batch ID: **B81793**	RunNo: **81793**
Prep Date:	Analysis Date: **10/5/2021**	SeqNo: **2893040** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	56	1.0	50.00	3.925	105	70	130	0.352	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **MB** SampType: **MBLK** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **PBW** Batch ID: **C81815** RunNo: **81815**

Prep Date: Analysis Date: **10/5/2021** SeqNo: **2894341** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Copper	ND	0.0010								
Lead	ND	0.00050								

Sample ID: **LCSLL** SampType: **LCSLL** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **BatchQC** Batch ID: **C81815** RunNo: **81815**

Prep Date: Analysis Date: **10/5/2021** SeqNo: **2894342** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0011	0.0010	0.001000	0	105	50	150			
Copper	0.0011	0.0010	0.001000	0	111	50	150			
Lead	0.00052	0.00050	0.0005001	0	104	50	150			

Sample ID: **LCS** SampType: **LCS** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **LCSW** Batch ID: **C81815** RunNo: **81815**

Prep Date: Analysis Date: **10/5/2021** SeqNo: **2894343** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.026	0.0010	0.02500	0	105	85	115			
Copper	0.026	0.0010	0.02500	0	106	85	115			
Lead	0.013	0.00050	0.01250	0	102	85	115			

Sample ID: **2109G97-002CMSLL** SampType: **MS** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **Plant Welll** Batch ID: **C81815** RunNo: **81815**

Prep Date: Analysis Date: **10/5/2021** SeqNo: **2894347** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	102	70	130			
Copper	0.024	0.0010	0.02500	0	97.5	70	130			
Lead	0.011	0.00050	0.01250	0	90.6	70	130			

Sample ID: **2109G97-002CMSDL** SampType: **MSD** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **Plant Welll** Batch ID: **C81815** RunNo: **81815**

Prep Date: Analysis Date: **10/5/2021** SeqNo: **2894348** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.026	0.0010	0.02500	0	105	70	130	2.97	20	
Copper	0.025	0.0010	0.02500	0	98.8	70	130	1.33	20	
Lead	0.012	0.00050	0.01250	0	95.3	70	130	5.09	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **2109G97-003CMSLL** SampType: **MS** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **Dalton** Batch ID: **C81815** RunNo: **81815**

Prep Date: Analysis Date: **10/5/2021** SeqNo: **2894353** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.027	0.0010	0.02500	0.0006190	105	70	130			
Lead	0.012	0.00050	0.01250	0	93.9	70	130			

Sample ID: **MB** SampType: **MBLK** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **PBW** Batch ID: **A81868** RunNo: **81868**

Prep Date: Analysis Date: **10/7/2021** SeqNo: **2896630** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.0010								
Copper	ND	0.0010								
Lead	ND	0.00050								
Selenium	ND	0.0010								

Sample ID: **LCSLL** SampType: **LCSLL** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **BatchQC** Batch ID: **A81868** RunNo: **81868**

Prep Date: Analysis Date: **10/7/2021** SeqNo: **2896631** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0010	0.0010	0.001000	0	105	50	150			
Copper	ND	0.0010	0.001000	0	98.8	50	150			
Lead	0.00057	0.00050	0.0005001	0	113	50	150			
Selenium	ND	0.0010	0.001000	0	83.2	50	150			

Sample ID: **LCS** SampType: **LCS** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **LCSW** Batch ID: **A81868** RunNo: **81868**

Prep Date: Analysis Date: **10/7/2021** SeqNo: **2896632** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.025	0.0010	0.02500	0	98.9	85	115			
Copper	0.025	0.0010	0.02500	0	99.2	85	115			
Lead	0.012	0.00050	0.01250	0	99.7	85	115			
Selenium	0.023	0.0010	0.02500	0	91.6	85	115			

Sample ID: **2109G97-002CMSLL** SampType: **MS** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **Plant Welll** Batch ID: **A81868** RunNo: **81868**

Prep Date: Analysis Date: **10/7/2021** SeqNo: **2896646** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.025	0.0010	0.02500	0	101	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **2109G97-002CMSDL** SampType: **MSD** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **Plant Welll** Batch ID: **A81868** RunNo: **81868**

Prep Date: Analysis Date: **10/7/2021** SeqNo: **2896647** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Selenium	0.024	0.0010	0.02500	0	94.7	70	130	6.90	20	

Sample ID: **2109G97-003CMSLL** SampType: **MS** TestCode: **EPA 200.8: Dissolved Metals**

Client ID: **Dalton** Batch ID: **A81868** RunNo: **81868**

Prep Date: Analysis Date: **10/7/2021** SeqNo: **2896649** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.026	0.0010	0.02500	0	106	70	130			
Selenium	0.024	0.0010	0.02500	0	96.6	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **MB-63200** SampType: **MBLK** TestCode: **EPA Method 245.1: Mercury**

Client ID: **PBW** Batch ID: **63200** RunNo: **81975**

Prep Date: **10/11/2021** Analysis Date: **10/12/2021** SeqNo: **2902316** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020								

Sample ID: **LLLCS-63200** SampType: **LCSLL** TestCode: **EPA Method 245.1: Mercury**

Client ID: **BatchQC** Batch ID: **63200** RunNo: **81975**

Prep Date: **10/11/2021** Analysis Date: **10/12/2021** SeqNo: **2902317** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.00020	0.0001501	0	72.4	50	150			

Sample ID: **LCS-63200** SampType: **LCS** TestCode: **EPA Method 245.1: Mercury**

Client ID: **LCSW** Batch ID: **63200** RunNo: **81975**

Prep Date: **10/11/2021** Analysis Date: **10/12/2021** SeqNo: **2902318** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0047	0.00020	0.005000	0	94.4	85	115			

Sample ID: **2109G97-001BMS** SampType: **MS** TestCode: **EPA Method 245.1: Mercury**

Client ID: **Gallup** Batch ID: **63200** RunNo: **81975**

Prep Date: **10/11/2021** Analysis Date: **10/12/2021** SeqNo: **2902340** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0047	0.00020	0.005000	0	94.7	75	125			

Sample ID: **2109G97-001BMSD** SampType: **MSD** TestCode: **EPA Method 245.1: Mercury**

Client ID: **Gallup** Batch ID: **63200** RunNo: **81975**

Prep Date: **10/11/2021** Analysis Date: **10/12/2021** SeqNo: **2902341** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0047	0.00020	0.005000	0	94.8	75	125	0.131	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **MB**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **R81714**	RunNo: **81714**
Prep Date:	Analysis Date: **9/30/2021**	SeqNo: **2889030** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	ND	0.10								
Chloride	ND	0.50								
Nitrogen, Nitrate (As N)	ND	0.10								
Sulfate	ND	0.50								

Sample ID: **LCS**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **R81714**	RunNo: **81714**
Prep Date:	Analysis Date: **9/30/2021**	SeqNo: **2889031** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	0.53	0.10	0.5000	0	105	90	110			
Chloride	4.8	0.50	5.000	0	96.1	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			
Sulfate	9.9	0.50	10.00	0	98.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **2109g97-001a dup**	SampType: **dup**	TestCode: **SM4500-H+B / 9040C: pH**
Client ID: **Gallup**	Batch ID: **R81775**	RunNo: **81775**
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891995** Units: **pH units**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH	8.14									H

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **mb-1 alk**	SampType: **mblk**	TestCode: **SM2320B: Alkalinity**							
Client ID: **PBW**	Batch ID: **R81775**	RunNo: **81775**							
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891906**	Units: **mg/L CaCO3**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID: **lcs-1 alk**	SampType: **lcs**	TestCode: **SM2320B: Alkalinity**							
Client ID: **LCSW**	Batch ID: **R81775**	RunNo: **81775**							
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891907**	Units: **mg/L CaCO3**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	74.28	20.00	80.00	0	92.8	90	110			

Sample ID: **mb-2 alk**	SampType: **mblk**	TestCode: **SM2320B: Alkalinity**							
Client ID: **PBW**	Batch ID: **R81775**	RunNo: **81775**							
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891929**	Units: **mg/L CaCO3**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	ND	20.00								

Sample ID: **lcs-2 alk**	SampType: **lcs**	TestCode: **SM2320B: Alkalinity**							
Client ID: **LCSW**	Batch ID: **R81775**	RunNo: **81775**							
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891930**	Units: **mg/L CaCO3**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	74.60	20.00	80.00	0	93.2	90	110			

Sample ID: **2109g97-001a dup**	SampType: **dup**	TestCode: **SM2320B: Alkalinity**							
Client ID: **Gallup**	Batch ID: **R81775**	RunNo: **81775**							
Prep Date:	Analysis Date: **10/4/2021**	SeqNo: **2891932**	Units: **mg/L CaCO3**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Alkalinity (as CaCO3)	190.1	20.00						0.379	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109G97**

14-Oct-21

Client: El Segundo Coal Co

Project: El Segundo Groundwater Wells

Sample ID: **MB-63036**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **63036**	RunNo: **81828**
Prep Date: **10/5/2021**	Analysis Date: **10/6/2021**	SeqNo: **2894716** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: **LCS-63036**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **63036**	RunNo: **81828**
Prep Date: **10/5/2021**	Analysis Date: **10/6/2021**	SeqNo: **2894717** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	20.0	1000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: El Segundo Coal Co Work Order Number: 2109G97 RcptNo: 1

Received By: Juan Rojas 9/29/2021 2:00:00 PM Juan Rojas

Completed By: Isaiah Ortiz 9/29/2021 3:20:56 PM I. Ortiz

Reviewed By: JR 10/4/21
unpres. SGL 9/29/21

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐
   Samples were collected the same day and chilled.
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑ AA 10-4-21
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 18 ~~24~~ 6 (<2 or >12 unless noted)
Adjusted? NO
Checked by: AA 10-4-21

Label unpres. JR 9/29/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	17.6	Good	Not Present			

Chain-of-Custody Record

Client:	El Segundo
Mailing Address:	PO Box 757 Grants, NM 87020
Phone #:	505 285 3076
email or Fax#:	Mnewman@Peabodyenergy.com Nyon@peabodyenergy.com
QA/QC Package:	
☐ Standard	☐ Level 4 (Full Validation)
Accreditation:	☐ Az Compliance
☐ NELAC	☐ Other
☐ EDD (Type)	

Turn-Around Time: X Standard ☐ Rush

Project Name: El Segundo Goundwater Wells

Project #: 453034981

Quote #:

Project Manager: Naudiea Yon

Sampler: Myron Newman

On Ice: ☐ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 19.6-0=17.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109697
9/28/2021	8:35		Gallup			001
9/28/2021	9:15		Plant Well			002
9/28/2021	10:20		Dalton			003
	10:58		East Side			004
	11:20		KPL-6			005
	12:00		KPL-5			006

BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, NO_3, NO_2, PO_4, SO_4 | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent)

See The Attached Parameters List

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/28/21	12:40	Naudiea Yon		Courier	9/28/21	15:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

El Segundo Well Parameters

Max:28/yr

test for
Carbonate
Bicarbonate
Sulfate
Chloride
Cyanide
Flouride
Total mercury
Nitrate
TDS
pH
Dissolved Calcium
Dissolved Magnesium
Dissolved Sodium
Dissolved Potassium
Dissolved Copper
Dissolved Iron
Dissolved Manganese
Dissolved Arsenic
Dissolved Barium
Dissolved Cadmium
Dissolved Chromium
Dissolved Lead
Dissolved Selenium
Dissolved Silver
Dissolved Zinc

Hall Enviro Bottles
(1) 500mL NP plastic, white label.
(1) 500mL NaOH plastic
(1) 250mL HNO_3 plastic
(1) 500mL H_2SO_4 plastic
(1) 125mL HNO_3 plastic