

TABLE 1
SOIL SAMPLE FIELD DATA SUMMARY TABLE
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
ABOVEGROUND STORAGE TANK SAMPLES								
AST01 Base	3/2/2023	0.5	87.1	Stain	Odor	40.10584859	-104.9746971	N
AST01@0.5'-WP	3/2/2023	0.5	120.4	Stain	Odor	40.10584925	-104.9747185	Y
AST01 Loadout	3/2/2023	0.5	6.8	NS	NO	40.10586289	-104.9746828	N
PRODUCED WATER VESSEL SAMPLES								
PWV N Wall	3/2/2023	4	131.1	Stain	Odor	40.10590895	-104.9747098	N
PWV-E01@4'-WP	3/2/2023	4	771.5	Stain	Odor	40.10588882	-104.9746879	Y
PWV S Wall	3/2/2023	4	9.1	NS	NO	40.10587088	-104.9747072	N
PWV W Wall	3/2/2023	4	235.2	Stain	Odor	40.105889	-104.9747362	N
PWV-B01@6'	3/2/2023	6	51.2	Stain	Odor	40.10588878	-104.9747088	Y
SEPARATOR SAMPLES								
SEP01-INLET@4'	3/2/2023	4	9.6	NS	NO	40.10613226	-104.9747285	Y
SEP01-OUTLET@4'	3/2/2023	4	1062	Stain	Odor	40.1060791	-104.9746939	Y
MISCELLANEOUS SAMPLES								
Meter House	3/2/2023	NA	1.2	NS	NO	40.1060493	-104.9747095	N
BACKGROUND SOIL SAMPLES								
TB-BG01@0.5'	3/2/2023	0.5	2.1	NS	NO	40.10582553	-104.9746576	Y
Native-BG01@3' (Rem No. 26627)	3/1/2023	3	0.2	NS	NO	40.106561	-104.9745389	Y
Native-BG01@6' (Rem No. 26627)	3/1/2023	6	0.1	NS	NO	40.106561	-104.9745389	Y
Native-BG02@3' (Rem No. 26627)	3/1/2023	3	0.4	NS	NO	40.10644125	-104.9746105	Y
Native-BG02@6' (Rem No. 26627)	3/1/2023	6	0.2	NS	NO	40.10644125	-104.9746105	Y
Native-BG03@3' (Rem No. 26627)	3/1/2023	3	0.3	NS	NO	40.1064595	-104.9747465	Y
Native-BG03@6' (Rem No. 26627)	3/1/2023	6	0.1	NS	NO	40.1064595	-104.9747465	Y
Native-BG04@3' (Rem No. 26627)	3/1/2023	3	0.0	NS	NO	40.10658079	-104.9747244	Y
Native-BG04@6' (Rem No. 26627)	3/1/2023	6	0.1	NS	NO	40.10658079	-104.9747244	Y

Notes:

ft. - feet
bgs - below ground surface
PID - Photoionization detector
ppm - parts per million

NS - No Staining
NO - No Odor
NA - Not Analyzed/Not Applicable

TABLE 2-1
SOIL SAMPLE ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS AND TOTAL PETROLEUM HYDROCARBONS
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	TPH-GRO ⁺ (mg/kg)	TPH-DRO ⁺ (mg/kg)	TPH-RRO ⁺ (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4- Trimethyl benzene (mg/kg)	1,3,5- Trimethyl benzene (mg/kg)	Naphthalene (mg/kg)
Groundwater Protection Values (GPV)			500	500	500	0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038
ABOVEGROUND STORAGE TANK SAMPLES												
AST01@0.5'-WP	3/2/2023	0.5	0.484	<25.0	<100	<0.00200	<0.00200	0.00200	<0.00200	0.0113	<0.00200	<0.00201
PRODUCED WATER VESSEL SAMPLES												
PWV-B01@6'	3/2/2023	6	3.14	<25.0	<100	0.0161	0.0166	0.0497	0.0226	0.00346	0.00210	0.00767
PWV-E01@4'-WP	3/2/2023	4	1.16	<25.0	<100	0.0214	<0.00200	0.0160	0.00418	0.155	0.00698	0.0365
SEPARATOR SAMPLES												
SEP01-OUTLET@4'-WP	3/2/2023	4	56.9	<25.0	<100	0.0118	<0.00200	0.0878	0.473	<0.0500	0.231	0.121
SEP01-INLET@4'-WP	3/2/2023	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201

TABLE 2-2
SOIL SAMPLE ANALYTICAL RESULTS
POLYCYCLIC AROMATIC HYDROCARBONS
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Acenaphthene (mg/Kg)	Anthracene (mg/Kg)	Benzo (a) anthracene (mg/Kg)	Benzo (b) fluoranthene (mg/Kg)	Benzo (k) fluoranthene (mg/Kg)	Benzo (a) pyrene (mg/Kg)	Chrysene (mg/Kg)	Dibenz (a,h) anthracene (mg/Kg)	Fluoranthene (mg/Kg)	Fluorene (mg/Kg)	Indeno (1,2,3-cd) pyrene (mg/Kg)	1-Methyl naphthalene (mg/Kg)	2-Methyl naphthalene (mg/Kg)	Pyrene (mg/Kg)
Groundwater Protection Values (GPV)			0.55	5.8	0.011	0.3	2.9	0.24	9	0.096	8.9	0.54	0.98	0.006	0.019	1.3
ABOVEGROUND STORAGE TANK SAMPLES																
AST01@0.5'-WP	3/2/2023	0.5	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00067
PRODUCED WATER VESSEL SAMPLES																
PWV-B01@6'	3/2/2023	6	0.00454	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0064	<0.00335	0.0246	0.0477	<0.00335
PWV-E01@4'-WP	3/2/2023	4	0.0108	<0.00067	<0.00067	<0.00067	<0.00067	0.000496	<0.00067	<0.00067	<0.00067	0.0184	<0.00067	0.0727	0.193	<0.00067
SEPARATOR SAMPLES																
SEP01-OUTLET@4'-WP	3/2/2023	4	0.0382	<0.00335	<0.00335	<0.00335	<0.00335	0.00632	<0.00335	<0.00335	<0.00335	0.0482	<0.00335	0.202	0.561	<0.00335
SEP01-INLET@4'-WP	3/2/2023	4	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	<0.00201	<0.00067

TABLE 2-3
SOIL SAMPLE ANALYTICAL RESULTS
SOIL SUITABILITY FOR RECLAMATION
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	EC (mmhos/cm)	SAR	pH	Boron (mg/L)
Groundwater Protection Values (GPV)			4	6	6-8.3	2
ABOVEGROUND STORAGE TANK SAMPLES						
AST01@0.5'-WP	3/2/2023	0.5	0.666	1.59	7.98	0.668
PRODUCED WATER VESSEL SAMPLES						
PWV-B01@6'	3/2/2023	6	0.390	0.697	8.03	0.294
PWV-E01@4'-WP	3/2/2023	4	0.460	1.93	7.69	1.04
SEPARATOR SAMPLES						
SEP01-OUTLET@4'-WP	3/2/2023	4	0.489	2.16	7.97	0.752
SEP01-INLET@4'-WP	3/2/2023	4	0.400	1.39	8.14	0.426
BACKGROUND SAMPLES						
TB-BG01@0.5'	3/2/2023	0.5	0.349	2.41	8.32	0.157
Native-BG01@3' (Rem No. 26627)	3/1/2023	3	1.31	4.85	7.69	0.221
Native-BG01@6' (Rem No. 26627)	3/1/2023	6	5.11	7.77	7.71	0.776
Native-BG02@3' (Rem No. 26627)	3/1/2023	3	2.23	7.45	7.75	0.452
Native-BG02@6' (Rem No. 26627)	3/1/2023	6	1.67	5.46	7.92	0.441
Native-BG03@3' (Rem No. 26627)	3/1/2023	3	1.96	2.85	7.41	0.174
Native-BG03@6' (Rem No. 26627)	3/1/2023	6	1.84	3.60	7.65	0.195
Native-BG04@3' (Rem No. 26627)	3/1/2023	3	3.18	6.99	7.73	0.286
Native-BG04@6' (Rem No. 26627)	3/1/2023	6	1.82	6.20	7.61	0.350

TABLE 2-4
SOIL SAMPLE ANALYTICAL RESULTS
METALS
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Soil Sample ID	Date	Depth (ft. bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
Groundwater Protection Value (GPV)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ABOVEGROUND STORAGE TANK SAMPLES												
AST01@0.5'-WP	3/2/2023	0.5	4.97	124	0.155	11.1	<8.74	11.2	0.185	<0.0874	<87.4	<0.512
PRODUCED WATER VESSEL SAMPLES												
PWV-B01@6'	3/2/2023	6	3.05*	83.9*	0.111	<0.5	<9.24	<9.24	<9.24	0.149	<0.0924	<92.4
PWV-E01@4'-WP	3/2/2023	4	5.01	105*	0.150	<2.59	11.2	12.0	13.6	0.200	<0.0868	<86.8
SEPARATOR SAMPLES												
SEP01-OUTLET@4'-WP	3/2/2023	4	4.60*	101*	0.175	<0.509	11.4	10.8	11.8	0.269*	<0.0928	<92.8
SEP01-INLET@4'-WP	3/2/2023	4	4.66*	71.1	0.137	<1.02	<8.49	<8.49	8.62	0.161	<0.0849	<84.9
BACKGROUND SAMPLES												
TB-BG01@0.5'	3/2/2023	0.5	3.21	53.3	<0.0957	<0.506	<9.57	<9.57	<9.57	0.162	<0.0957	<95.7
Native-BG01@3' (Rem No. 26627)	3/1/2023	3	4.61	139	0.163	<0.5	9.66	<9.45	11.8	0.204	<0.0945	<94.5
Native-BG01@6' (Rem No. 26627)	3/1/2023	6	4.45	111	0.171	0.171	<0.5	10.5	12.4	0.203	<0.0896	<89.6
Native-BG02@3' (Rem No. 26627)	3/1/2023	3	5.64	103	0.195	<1	11.5	12.0	13.3	0.256	<0.0973	<97.3
Native-BG02@6' (Rem No. 26627)	3/1/2023	6	5.20	103	0.151	<0.52	11.5	11.4	14.1	0.280	<0.0956	<95.6
Native-BG03@3' (Rem No. 26627)	3/1/2023	3	4.90	81.3	0.121	<1.03	10.4	11.1	11.6	0.255	<0.0901	<90.1
Native-BG03@6' (Rem No. 26627)	3/1/2023	6	5.61	110	0.226	<1	11.3	12.2	13.7	0.186	<0.0880	<88.0
Native-BG04@3' (Rem No. 26627)	3/1/2023	3	5.86	103	0.169	<0.518	11.5	10.6	14.9	0.202	<0.0899	<89.9
Native-BG04@6' (Rem No. 26627)	3/1/2023	6	4.80	145	0.167	<0.5	10.9	9.84	14.4	0.201	<0.0939	<93.9

TABLE 2-5
SOIL SAMPLE ANALYTICAL RESULTS
NOTES
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL AND GAS ONSHORE, LP

Notes:

GPV - Groundwater Protection Values (mg/kg)

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

RRO - Residual Range Organics

*Allowable level for TPH is 500 mg/kg for combined GRO, DRO, ORO

* Exceeds Table 915-1 allowable level but below background

EC - Electrical Conductivity

SAR - Sodium Adsorption Ratio

mmhos/cm - millimhos per centimeter

<0.00200 - less than laboratory reporting limit

NA - Not Analyzed/Not Applicable

Bold - exceeds Table 915-1 allowable level and background

March 10, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - Pace Connelly Gas Unit
1-26 O SA Facility**

Project Number - 09A1417237

Attached are your analytical results for KMG - Pace Connelly Gas Unit 1-26 O SA Facility received by Origins Laboratory, Inc. March 02, 2023. This project is associated with Origins project number Y303073-01.

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

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

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

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

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

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



Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST01@0.5'-WP	Y303073-01	Soil	March 2, 2023 14:30	03/02/2023 17:58
PWV-B01@6'	Y303073-02	Soil	March 2, 2023 14:35	03/02/2023 17:58
PWV-E01@4'-WP	Y303073-03	Soil	March 2, 2023 15:00	03/02/2023 17:58
SEP01-OUTLET@4'-WP	Y303073-04	Soil	March 2, 2023 15:15	03/02/2023 17:58
SEP01-INLET@4'-WP	Y303073-05	Soil	March 2, 2023 15:20	03/02/2023 17:58
TB-BG01@0.5'	Y303073-06	Soil	March 2, 2023 15:45	03/02/2023 17:58

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4303073

Client: Ensolum

Client Project ID: Pace Connelly GU

Checklist Completed by: EHS/DE

Shipped Via: HD 1-26 OSA

Date/time completed: 3/2/23

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

Airbill #: N/A

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

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

Thermometer ID: T004

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

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

EHS
Reviewed by (Project Manager)

3/2/23
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

AST01@0.5'-WP

3/2/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.668	0.101	mg/L	1	B3C0307	03/03/2023	03/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0243	03/02/2023	03/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0113	0.00200	mg/kg	1	B3C0247	03/02/2023	03/02/2023	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00200	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	0.484	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

AST01@0.5'-WP

3/2/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	104 %	70-130	B3C02 47	03/02/2023	03/02/2023
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Metals by Saturated Paste by EPA 6010

Calcium	3.04	0.499	meq/L	10	[CALC]	03/03/2023	03/06/2023
Magnesium	1.30	0.823	"	"	"	"	"
Sodium	2.35	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L668166	03/07/2023	03/08/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

AST01@0.5'-WP

3/2/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y303073-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L668166	03/07/2023	03/08/2023
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.98	pH Units	1	B3C0310	03/03/2023	03/04/2023
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SAR by 20B Saturated Paste

SAR	1.59	SAR	1	B3C0304	03/03/2023	03/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.666	0.00500	mmhos/cm	1	B3C0310	03/03/2023	03/04/2023
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Table 915 metals by EPA 6020B

Arsenic	4.97	0.0874	mg/kg	10	B3C0236	03/02/2023	03/03/2023
Barium	124	8.74	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

AST01@0.5'-WP

3/2/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-01 (Soil)

Table 915 metals by EPA 6020B

Cadmium	0.155		0.0874	mg/kg	10	B3C0236	03/02/2023	03/03/2023	
Copper	11.1		8.74	"	"	"	"	"	
Lead	ND		8.74	"	"	"	"	"	U
Nickel	11.2		8.74	"	"	"	"	"	
Selenium	0.185		0.0874	"	"	"	"	"	
Silver	ND		0.0874	"	"	"	"	"	U
Zinc	ND		87.4	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.249	0.512	mg/Kg	1	L668376	03/02/2023	03/08/2023	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-B01@6'

3/2/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.294	0.100	mg/L	1	B3C0307	03/03/2023	03/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0243	03/02/2023	03/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.6 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00346	0.00200	mg/kg	1	B3C0247	03/02/2023	03/02/2023
1,3,5-Trimethylbenzene	0.00210	0.00200	"	"	"	"	"
Benzene	0.0161	0.00200	"	"	"	"	"
Ethylbenzene	0.0497	0.00200	"	"	"	"	"
Toluene	0.0166	0.00200	"	"	"	"	"
Xylenes, total	0.0226	0.00200	"	"	"	"	"
Gasoline Range Hydrocarbons	3.14	0.200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130			"	"	"
Surrogate: Toluene-d8	97.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	120 %	70-130			"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-B01@6'

3/2/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.57	0.499	meq/L	10	[CALC]	03/03/2023	03/06/2023
Magnesium	0.891	0.823	"	"	"	"	"
Sodium	0.773	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.0246	0.00549	0.0101	mg/Kg	5	L668166	03/07/2023	03/08/2023
2-Methylnaphthalene	0.0477	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.00454	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"
Fluorene	0.0064	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.00767	0.0073	0.0101	"	"	"	"	" J
Pyrene	ND	0.00322	0.00335	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	54.6 %		33-115			"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-B01@6'

3/2/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y303073-02 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	65.6 %	33-122	L6681 66	03/07/2023	03/08/2023
Surrogate: Nitrobenzene-d5	52.1 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.03	pH Units	1	B3C0310	03/03/2023	03/04/2023
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SAR by 20B Saturated Paste

SAR	0.697	SAR	1	B3C0304	03/03/2023	03/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.390	0.00500	mmhos/cm	1	B3C0310	03/03/2023	03/04/2023
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Table 915 metals by EPA 6020B

Arsenic	3.05	0.0924	mg/kg	10	B3C0236	03/02/2023	03/03/2023
Barium	83.9	9.24	"	"	"	"	"
Cadmium	0.111	0.0924	"	"	"	"	"
Copper	ND	9.24	"	"	"	"	" U
Lead	ND	9.24	"	"	"	"	" U
Nickel	ND	9.24	"	"	"	"	" U
Selenium	0.149	0.0924	"	"	"	"	"
Silver	ND	0.0924	"	"	"	"	" U

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-B01@6'

3/2/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y303073-02 (Soil)

Table 915 metals by EPA 6020B

Zinc	ND		92.4	mg/kg	10	B3C0236	03/02/2023	03/03/2023	U
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Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L668376	03/02/2023	03/08/2023	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-E01@4'-WP
3/2/2023 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-03 (Soil)

Boron (DTPA Sorbitol)

Boron	1.04	0.100	mg/L	1	B3C0307	03/03/2023	03/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0243	03/02/2023	03/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.6 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.155	0.00200	mg/kg	1	B3C0247	03/02/2023	03/03/2023	
1,3,5-Trimethylbenzene	0.00696	0.00200	"	"	"	"	"	
Benzene	0.0214	0.00200	"	"	"	"	"	
Ethylbenzene	0.0160	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.00418	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.16	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-E01@4'-WP

3/2/2023 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.58	0.499	meq/L	10	[CALC]	03/03/2023	03/06/2023
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.02	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.0727	0.00109	0.00201	mg/Kg	1	L668166	03/07/2023	03/08/2023
2-Methylnaphthalene	0.193	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.0108	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	0.000496	0.000468	0.00067	"	"	"	"	" J
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0184	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.0365	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"
Surrogate: 2-Fluorobiphenyl	55.1 %		33-115			"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-E01@4'-WP
3/2/2023 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y303073-03 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	68.7 %	33-122	L6681 66	03/07/2023	03/08/2023
Surrogate: Nitrobenzene-d5	54.8 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.69	pH Units	1	B3C0310	03/03/2023	03/04/2023
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SAR by 20B Saturated Paste

SAR	1.93	SAR	1	B3C0304	03/03/2023	03/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.460	0.00500	mmhos/cm	1	B3C0310	03/03/2023	03/04/2023
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Table 915 metals by EPA 6020B

Arsenic	5.01	0.0868	mg/kg	10	B3C0236	03/02/2023	03/03/2023
Barium	105	8.68	"	"	"	"	"
Cadmium	0.150	0.0868	"	"	"	"	"
Copper	11.2	8.68	"	"	"	"	"
Lead	12.0	8.68	"	"	"	"	"
Nickel	13.6	8.68	"	"	"	"	"
Selenium	0.200	0.0868	"	"	"	"	"
Silver	ND	0.0868	"	"	"	"	"

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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PWV-E01@4'-WP
3/2/2023 3:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-03 (Soil)

Table 915 metals by EPA 6020B

Zinc	ND		86.8	mg/kg	10	B3C0236	03/02/2023	03/03/2023	U
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Total Metals by 7196A

Chromium, Hexavalent	ND	1.26	2.59	mg/Kg	5	L668376	03/02/2023	03/08/2023	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-OUTLET@4'-WP

3/2/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.752	0.0991	mg/L	1	B3C0307	03/03/2023	03/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0243	03/02/2023	03/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	86.4 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.0500	mg/kg	25	B3C0247	03/02/2023	03/03/2023	U
1,3,5-Trimethylbenzene	0.231	0.00200	"	1	"	"	03/03/2023	
Benzene	0.0118	0.00200	"	"	"	"	"	
Ethylbenzene	0.0878	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.473	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	56.9	5.00	"	25	"	"	03/03/2023	

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	03/03/2023
Surrogate: Toluene-d8	95.0 %	70-130			"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-OUTLET@4'-WP

3/2/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 140 % 70-130 B3C02 03/02/2023 03/03/2023 GC
47

Metals by Saturated Paste by EPA 6010

Calcium	1.51	0.499	meq/L	10	[CALC]	03/03/2023	03/06/2023
Magnesium	0.886	0.823	"	"	"	"	"
Sodium	2.36	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.202	0.00549	0.0101	mg/Kg	5	L668166	03/07/2023	03/08/2023
2-Methylnaphthalene	0.561	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0382	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	0.00632	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"
Fluorene	0.0482	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-OUTLET@4'-WP

3/2/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y303073-04 (Soil)

PAH by 8270D SIM

Naphthalene	0.121	0.0073	0.0101	mg/Kg	5	L668166	03/07/2023	03/08/2023	
Pyrene	ND	0.00322	0.00335	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	65 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	68.9 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	56.8 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.97			pH Units	1	B3C0310	03/03/2023	03/04/2023	
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SAR by 20B Saturated Paste

SAR	2.16			SAR	1	B3C0304	03/03/2023	03/06/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.489		0.00500	mmhos/cm	1	B3C0310	03/03/2023	03/04/2023	
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Table 915 metals by EPA 6020B

Arsenic	4.60		0.0928	mg/kg	10	B3C0236	03/02/2023	03/03/2023	
Barium	101		9.28	"	"	"	"	"	
Cadmium	0.175		0.0928	"	"	"	"	"	

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-OUTLET@4'-WP

3/2/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-04 (Soil)

Table 915 metals by EPA 6020B

Copper	11.4		9.28	mg/kg	10	B3C0236	03/02/2023	03/03/2023	
Lead	10.8		9.28	"	"	"	"	"	
Nickel	11.8		9.28	"	"	"	"	"	
Selenium	0.269		0.0928	"	"	"	"	"	
Silver	ND		0.0928	"	"	"	"	"	U
Zinc	ND		92.8	"	"	"	"	"	U

Total Metals by 7196A

Chromium, Hexavalent	ND	0.248	0.509	mg/Kg	1	L668376	03/02/2023	03/08/2023	
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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-INLET@4'-WP

3/2/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.426	0.0994	mg/L	1	B3C0307	03/03/2023	03/06/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C0243	03/02/2023	03/03/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.8 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3C0247	03/02/2023	03/03/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"	"	"
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Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-INLET@4'-WP

3/2/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.4 %	70-130	B3C02 47	03/02/2023	03/03/2023
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.36	0.499	meq/L	10	[CALC]	03/03/2023	03/06/2023
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.44	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L668166	03/07/2023	03/08/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-INLET@4'-WP

3/2/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC. Y303073-05 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L668166	03/07/2023	03/08/2023
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.9 %	29-110	"	"	"

pH in Soil by 9045D

pH	8.14	pH Units	1	B3C0310	03/03/2023	03/04/2023
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SAR by 20B Saturated Paste

SAR	1.39	SAR	1	B3C0304	03/03/2023	03/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.400	0.00500	mmhos/cm	1	B3C0310	03/03/2023	03/04/2023
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Table 915 metals by EPA 6020B

Arsenic	4.66	0.0849	mg/kg	10	B3C0236	03/02/2023	03/03/2023
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

SEP01-INLET@4'-WP

3/2/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y303073-05 (Soil)

Table 915 metals by EPA 6020B

Barium	71.1	8.49	mg/kg	10	B3C0236	03/02/2023	03/03/2023	
Cadmium	0.137	0.0849	"	"	"	"	"	
Copper	ND	8.49	"	"	"	"	"	U
Lead	ND	8.49	"	"	"	"	"	U
Nickel	8.62	8.49	"	"	"	"	"	
Selenium	0.161	0.0849	"	"	"	"	"	
Silver	ND	0.0849	"	"	"	"	"	U
Zinc	ND	84.9	"	"	"	"	"	U

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.497	1.02	mg/Kg	1	L668377	03/02/2023	03/08/2023
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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

TB-BG01@0.5'

3/2/2023 3:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.157	0.101	mg/L	1	B3C0307	03/03/2023	03/06/2023
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Metals by Saturated Paste by EPA 6010

Calcium	0.811	0.499	meq/L	10	[CALC]	03/03/2023	03/06/2023
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.87	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.32	pH Units	1	B3C0310	03/03/2023	03/04/2023
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SAR by 20B Saturated Paste

SAR	2.41	SAR	1	B3C0304	03/03/2023	03/06/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.349	0.00500	mmhos/cm	1	B3C0310	03/03/2023	03/04/2023
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Table 915 metals by EPA 6020B

Arsenic	3.21	0.0957	mg/kg	10	B3C0236	03/02/2023	03/03/2023
Barium	53.3	9.57	"	"	"	"	"
Cadmium	ND	0.0957	"	"	"	"	" U
Copper	ND	9.57	"	"	"	"	" U

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

TB-BG01@0.5'

3/2/2023 3:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303073-06 (Soil)

Table 915 metals by EPA 6020B

Lead	ND		9.57	mg/kg	10	B3C0236	03/02/2023	03/03/2023	U
Nickel	ND		9.57	"	"	"	"	"	U
Selenium	0.162		0.0957	"	"	"	"	"	
Silver	ND		0.0957	"	"	"	"	"	U
Zinc	ND		95.7	"	"	"	"	"	U

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.246	0.506	mg/Kg	1	L668377	03/02/2023	03/08/2023	
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Origins Laboratory, Inc.



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11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0243 - EPA 3580										
Blank (B3C0243-BLK1)					Prepared: 03/02/2023 Analyzed: 03/02/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.7	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0243 - EPA 3580

LCS (B3C0243-BS1)

Prepared: 03/02/2023 Analyzed: 03/02/2023

Diesel (C10-C28)	936	50.0	mg/kg	1000		93.6	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	46		"	49.8		93.2	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0243 - EPA 3580

Matrix Spike (B3C0243-MS1)		Source: Y303069-01			Prepared: 03/02/2023 Analyzed: 03/02/2023					
Diesel (C10-C28)	1050	50.0	mg/kg	1000	ND	105	70-130			
Residual Range Organics (C28-C40)	1150	200	"	1000	ND	115	70-130			
Surrogate: o-Terphenyl	45		"	49.8		91.1	50-150			

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0243 - EPA 3580

Matrix Spike Dup (B3C0243-MSD1)		Source: Y303069-01			Prepared: 03/02/2023 Analyzed: 03/02/2023					
Diesel (C10-C28)	950	50.0	mg/kg	1000	ND	95.0	70-130	10.2	35	
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130	9.35	35	
Surrogate: o-Terphenyl	50		"	49.8		99.8	50-150			

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0247 - EPA 5030 (soil)										
Blank (B3C0247-BLK1)					Prepared: 03/02/2023 Analyzed: 03/02/2023					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0247 - EPA 5030 (soil)

LCS (B3C0247-BS1)

Prepared: 03/02/2023 Analyzed: 03/02/2023

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.0992	0.00200	"	0.100		99.2	70-130			
Ethylbenzene	0.102	0.00200	"	0.100		102	70-130			
Naphthalene	0.116	0.00380	"	0.100		116	70-130			
Toluene	0.102	0.00200	"	0.100		102	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.202	0.00400	"	0.200		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0247 - EPA 5030 (soil)

Matrix Spike (B3C0247-MS1)		Source: Y303065-03			Prepared: 03/02/2023 Analyzed: 03/02/2023					
1,2,4-Trimethylbenzene	0.0688	0.00200	mg/kg	0.100	ND	68.8	70-130			QM-07
1,3,5-Trimethylbenzene	0.0688	0.00200	"	0.100	ND	68.8	70-130			QM-07
Benzene	0.0755	0.00200	"	0.100	ND	75.5	70-130			
Ethylbenzene	0.0719	0.00200	"	0.100	ND	71.9	70-130			
Naphthalene	0.0689	0.00380	"	0.100	ND	68.9	70-130			QM-07
Toluene	0.0719	0.00200	"	0.100	ND	71.9	70-130			
o-Xylene	0.0633	0.00200	"	0.100	ND	63.3	70-130			QM-07
m,p-Xylene	0.133	0.00400	"	0.200	ND	66.6	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0247 - EPA 5030 (soil)

Matrix Spike Dup (B3C0247-MSD1)		Source: Y303065-03			Prepared: 03/02/2023 Analyzed: 03/02/2023					
1,2,4-Trimethylbenzene	0.0662	0.00200	mg/kg	0.100	ND	66.2	70-130	3.91	20	QM-07
1,3,5-Trimethylbenzene	0.0659	0.00200	"	0.100	ND	65.9	70-130	4.28	20	QM-07
Benzene	0.0741	0.00200	"	0.100	ND	74.1	70-130	1.90	20	
Ethylbenzene	0.0682	0.00200	"	0.100	ND	68.2	70-130	5.37	20	QM-07
Naphthalene	0.0665	0.00380	"	0.100	ND	66.5	70-130	3.51	20	QM-07
Toluene	0.0719	0.00200	"	0.100	ND	71.9	70-130	0.0835	20	
o-Xylene	0.0610	0.00200	"	0.100	ND	61.0	70-130	3.70	20	QM-07
m,p-Xylene	0.126	0.00400	"	0.200	ND	62.9	70-130	5.62	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		111	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	70-130			

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Jen Pellegrini, Project Manager

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Ensolum
11049 W 44th Avenue, Suite 103
Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0236 - EPA 3050B

Blank (B3C0236-BLK1)

Prepared: 03/02/2023 Analyzed: 03/03/2023

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.0100	"							U
Nickel	ND	0.0100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

LCS (B3C0236-BS1)

Prepared: 03/02/2023 Analyzed: 03/03/2023

Arsenic	0.0528	0.000100	mg/kg	0.0500		106	80-120
Barium	5.18	0.0100	"	5.00		104	80-120
Cadmium	0.0527	0.000100	"	0.0500		105	80-120
Copper	0.545	0.0100	"	0.500		109	80-120
Lead	0.0511	0.0100	"	0.0500		102	80-120
Nickel	0.0517	0.0100	"	0.0500		103	80-120
Selenium	0.0500	0.000100	"	0.0500		99.9	80-120
Silver	0.0504	0.000100	"	0.0500		101	80-120
Zinc	0.527	0.100	"	0.500		105	80-120

Matrix Spike (B3C0236-MS1)

Source: Y303070-01

Prepared: 03/02/2023 Analyzed: 03/03/2023

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SA Facility

Metals by EPA 6000/7000 Series Methods - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0236 - EPA 3050B										
Matrix Spike (B3C0236-MS1)		Source: Y303070-01			Prepared: 03/02/2023 Analyzed: 03/03/2023					
Arsenic	6.79	0.0956	mg/kg	4.78	3.07	77.7	75-125			
Barium	533	9.56	"	478	87.9	93.0	75-125			
Cadmium	5.01	0.0956	"	4.78	0.126	102	75-125			
Copper	54.7	9.56	"	47.8	6.24	101	75-125			
Lead	9.34	9.56	"	4.78	7.29	42.9	75-125			QM-07, U
Nickel	9.52	9.56	"	4.78	8.06	30.5	75-125			QM-07, U
Selenium	4.37	0.0956	"	4.78	0.114	89.1	75-125			
Silver	4.74	0.0956	"	4.78	0.0371	98.3	75-125			
Zinc	71.1	95.6	"	47.8	31.1	83.6	75-125			U
Matrix Spike Dup (B3C0236-MSD1)		Source: Y303070-01			Prepared: 03/02/2023 Analyzed: 03/03/2023					
Arsenic	6.68	0.0921	mg/kg	4.61	3.07	78.3	75-125	1.55	20	
Barium	519	9.21	"	461	87.9	93.5	75-125	2.62	20	
Cadmium	4.81	0.0921	"	4.61	0.126	102	75-125	4.00	20	
Copper	52.3	9.21	"	46.1	6.24	99.9	75-125	4.56	20	
Lead	9.41	9.21	"	4.61	7.29	46.2	75-125	0.836	20	QM-07
Nickel	9.48	9.21	"	4.61	8.06	30.9	75-125	0.388	20	QM-07
Selenium	4.62	0.0921	"	4.61	0.114	97.8	75-125	5.46	20	
Silver	4.58	0.0921	"	4.61	0.0371	98.6	75-125	3.34	20	
Zinc	71.1	92.1	"	46.1	31.1	86.8	75-125	0.000783	20	U

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SA Facility

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3C0304 - Saturated Paste Metals

Blank (B3C0304-BLK1)

Prepared: 03/03/2023 Analyzed: 03/06/2023

SAR	0.00		SAR							U
Calcium PPM	ND	10.0	mg/L							U
Magnesium PPM	ND	10.0	"							U
Sodium PPM	ND	10.0	"							U

Duplicate (B3C0304-DUP1)

Source: Y303069-03

Prepared: 03/03/2023 Analyzed: 03/06/2023

Calcium PPM	495	10.0	mg/L		477			3.54	50	
SAR	0.00		SAR		1.19			200	200	U
Magnesium PPM	381	10.0	mg/L		391			2.69	50	
Sodium PPM	138	10.0	"		145			4.99	50	

Batch B3C0307 - DTPA Sorbitol Preparation

Blank (B3C0307-BLK1)

Prepared: 03/03/2023 Analyzed: 03/06/2023

Boron	ND	0.100	mg/L							U
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Duplicate (B3C0307-DUP1)

Source: Y303069-07

Prepared: 03/03/2023 Analyzed: 03/06/2023

Boron	0.626	0.100	mg/L		0.654			4.34	50	
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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C0310 - Saturated Paste pH/EC										
Blank (B3C0310-BLK1)					Prepared: 03/03/2023 Analyzed: 03/04/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3C0310-DUP1)					Source: Y303069-03 Prepared: 03/03/2023 Analyzed: 03/04/2023					
pH	7.82		pH Units		7.80			0.256	25	
Specific Conductance (EC)	4.00	0.00500	mmhos/cm		4.14			3.42	25	

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SA Facility

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L668166 - 3550B

MSD (L 94887-MSD-L668166)		Source: Y303073-01			Prepared: 03/07/2023 Analyzed: 03/08/2023					
Pyrene	0.101	0.00067	mg/Kg	0.164	<0.000643	61.5	30-130	0.9	30	
Dibenz(a,h)anthracene	0.0903	0.00067	"	0.164	<0.000614	55	30-130	10	30	
Naphthalene	0.0934	0.00201	"	0.164	<0.00145	56.9	30-130	4.8	30	
Indeno(1,2,3-cd)pyrene	0.0699	0.00067	"	0.164	<0.000627	42.6	30-130	15.5	30	
Fluorene	0.11	0.00067	"	0.164	<0.000286	67	30-130	0.9	30	
Fluoranthene	0.1	0.00067	"	0.164	<0.000394	60.9	30-130	2.9	30	
Chrysene	0.103	0.00067	"	0.164	<0.000624	62.8	30-130	2.8	30	
Benzo(k)fluoranthene	0.0715	0.00067	"	0.164	<0.000437	43.5	30-130	11.2	30	
Benzo(b)fluoranthene	0.0741	0.00067	"	0.164	<0.000585	45.1	30-130	8	30	
Benzo(a)pyrene	0.112	0.00067	"	0.164	<0.000468	68.2	30-130	5.2	30	
Benzo(a)anthracene	0.107	0.00067	"	0.164	<0.000493	65.2	30-130	0.9	30	
Acenaphthene	0.103	0.00067	"	0.164	<0.000304	62.8	30-130	1.9	30	
2-Methylnaphthalene	0.0919	0.00201	"	0.164	<0.00194	56	30-130	4.4	30	
1-Methylnaphthalene	0.0963	0.00201	"	0.164	<0.00109	58.7	30-130	4.7	30	
Anthracene	0.111	0.00067	"	0.164	<0.000334	67.6	30-130	0.8	30	
Surrogate: Nitrobenzene-d5	52.4		"	0.328	168	52.4	29-110			
Surrogate: 4-Terphenyl-d14	64.6		"	0.328	209	64.6	33-122			
Surrogate: 2-Fluorobiphenyl	54.2		"	0.328	173	54.2	33-115			

MS (L 94887-MS-L668166)		Source: Y303073-01			Prepared: 03/07/2023 Analyzed: 03/08/2023					
Benzo(b)fluoranthene	0.0684	0.00067	mg/Kg	0.166	<0.000585	41.2	30-130			
Benzo(k)fluoranthene	0.08	0.00067	"	0.166	<0.000437	48.1	30-130			
1-Methylnaphthalene	0.101	0.00201	"	0.166	<0.00109	60.8	30-130			
2-Methylnaphthalene	0.0961	0.00201	"	0.166	<0.00194	57.8	30-130			
Acenaphthene	0.105	0.00067	"	0.166	<0.000304	63.2	30-130			
Anthracene	0.112	0.00067	"	0.166	<0.000334	67.4	30-130			
Benzo(a)anthracene	0.108	0.00067	"	0.166	<0.000493	65	30-130			

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Jeremy Espinoza
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Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L668166 - 3550B

MS (L 94887-MS-L668166)		Source: Y303073-01			Prepared: 03/07/2023 Analyzed: 03/08/2023					
Chrysene	0.106	0.00067	mg/Kg	0.166	<0.000624	63.8	30-130			
Benzo(a)pyrene	0.118	0.00067	"	0.166	<0.000468	71	30-130			
Dibenz(a,h)anthracene	0.0999	0.00067	"	0.166	<0.000614	60.1	30-130			
Fluoranthene	0.103	0.00067	"	0.166	<0.000394	62	30-130			
Fluorene	0.111	0.00067	"	0.166	<0.000286	66.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0817	0.00067	"	0.166	<0.000627	49.2	30-130			
Naphthalene	0.098	0.00201	"	0.166	<0.00145	59	30-130			
Pyrene	0.102	0.00067	"	0.166	<0.000643	61.4	30-130			
Surrogate: 4-Terphenyl-d14	65.8		"	0.331	209	65.8	33-122			
Surrogate: 2-Fluorobiphenyl	59.2		"	0.331	173	59.2	33-115			
Surrogate: Nitrobenzene-d5	56.7		"	0.331	168	56.7	29-110			

LCS (LCS-L668166)		Prepared: 03/07/2023 Analyzed: 03/08/2023								
Benzo(a)pyrene	0.119	0.00067	mg/Kg	0.167		71.2	30-130			
Benzo(a)anthracene	0.112	0.00067	"	0.167		67	30-130			
Naphthalene	0.102	0.00201	"	0.167		61	30-130			
Benzo(k)fluoranthene	0.0774	0.00067	"	0.167		46.3	30-130			
Fluorene	0.113	0.00067	"	0.167		67.6	30-130			
Fluoranthene	0.106	0.00067	"	0.167		63.4	30-130			
Dibenz(a,h)anthracene	0.111	0.00067	"	0.167		66.4	30-130			
Pyrene	0.104	0.00067	"	0.167		62.2	30-130			
Benzo(b)fluoranthene	0.0701	0.00067	"	0.167		41.9	30-130			
Anthracene	0.116	0.00067	"	0.167		69.4	30-130			
Acenaphthene	0.108	0.00067	"	0.167		64.6	30-130			
2-Methylnaphthalene	0.0985	0.00201	"	0.167		58.9	30-130			
1-Methylnaphthalene	0.102	0.00201	"	0.167		61	30-130			
Chrysene	0.109	0.00067	"	0.167		65.2	30-130			

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SA Facility

PAH by 8270D SIM - Quality Control
Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L668166 - 3550B

LCS (LCS-L668166)

Prepared: 03/07/2023 Analyzed: 03/08/2023

Indeno(1,2,3-cd)pyrene	0.0925	0.00067	mg/Kg	0.167		55.3	30-130			
Surrogate: Nitrobenzene-d5	59.7		"	0.333		59.7	29-110			
Surrogate: 4-Terphenyl-d14	69		"	0.333		69	33-122			
Surrogate: 2-Fluorobiphenyl	61.5		"	0.333		61.5	33-115			

LRB (LRB-L668166)

Prepared: 03/07/2023 Analyzed: 03/08/2023

Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Chrysene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	59.4		"	0.333		59.4	29-110			
Surrogate: 4-Terphenyl-d14	69.3		"	0.333		69.3	33-122			
Surrogate: 2-Fluorobiphenyl	60.6		"	0.333		60.6	33-115			

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Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

**Total Metals by 7196 A - Quality Control
Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L668377 -										
DUP (L 94891-DUP)	Source: Y303073-05				Prepared: Analyzed: 03/08/2023					
Chromium, Hexavalent	ND	1.03	mg/Kg		<1.03		-	0	20	
MS (L 94891-MS)	Source: Y303073-05				Prepared: Analyzed: 03/08/2023					
Chromium, Hexavalent	29.7	2.5	mg/Kg	38.6	<1.22	77	75-125			
LCS (LCS)					Prepared: Analyzed: 03/08/2023					
Chromium, Hexavalent	6.85	0.5	mg/Kg	8		86	75-125			
LRB (LRB)					Prepared: Analyzed: 03/08/2023					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Total Metals by 7196A - Quality Control Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L668376 -

DUP (L 94881-DUP)		Source: 94881			Prepared: Analyzed: 03/08/2023					
Chromium, Hexavalent	ND	0.512	mg/Kg		<0.512		-	0	20	
MS (L 94881-MS)		Source: 94881			Prepared: Analyzed: 03/08/2023					
Chromium, Hexavalent	33.3	2.57	mg/Kg	41.2	< 0.252	81	75-125			

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Ensolum

11049 W 44th Avenue, Suite 103

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Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1-26 O
SA Facility

Notes and Definitions

U Sample is Non-Detect.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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