

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
AST01@2'	3/29/2023	2	1222	Stain	Odor	40.10585226	-104.9747217	Y
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
PWV-E02@6'	3/29/2023	6	1573	Stain	Odor	40.10584	-104.974669	Y
PWV-B01@7'	3/29/2023	7	1.9	NS	NO	40.10588492	-104.9747116	Y
PWV-W01@6'	3/29/2023	6	49	Stain	Odor	40.105891	-104.974763	Y
PWV-N01@6'	3/29/2023	6	14	Stain	NO	40.10590217	-104.974711	Y
PWV-S01@6'	3/29/2023	6	227	Stain	Odor	40.105845	-104.974718	Y
PWV-B02@10'	4/17/2023	10	5.0	NS	NO	40.10587615	-104.9748183	Y
PWV-B03@10'	4/17/2023	10	3.7	NS	NO	40.10590076	-104.974941	Y
PWV-B04@10'	4/17/2023	10	2.7	NS	NO	40.1057987	-104.9749229	Y
PWV-B05@10'	4/17/2023	10	3.0	NS	NO	40.10579562	-104.9748223	Y
PWV-B06@10'	4/17/2023	10	3.5	NS	NO	40.10579203	-104.9747157	Y
PWV-N02@8'	4/17/2023	8	1685	Stain	Odor	40.10590757	-104.9747668	Y
PWV-N03@8'	4/17/2023	8	1442	Stain	Odor	40.10591274	-104.9748236	Y
PWV-N04@8'	4/17/2023	8	16.9	NS	NO	40.10592566	-104.9748807	Y
PWV-N05@8'	4/17/2023	8	10.1	NS	NO	40.10595299	-104.9749466	Y
PWV-W01@8'	4/17/2023	8	3.6	NS	NO	40.10592018	-104.975	Y
PWV-W02@8'	4/17/2023	8	8.5	NS	NO	40.10587612	-104.9749958	Y
PWV-W03@8'	4/17/2023	8	3.2	NS	NO	40.1058253	-104.9749941	Y
PWV-W04@8'	4/17/2023	8	26.2	NS	NO	40.10579072	-104.9749923	Y
PWV-S01@8'	4/17/2023	8	896.5	Stain	Odor	40.10576228	-104.974707	Y
PWV-S02@8'	4/17/2023	8	125.2	Stain	Odor	40.10575445	-104.9747756	Y
PWV-S03@8'	4/17/2023	8	6	NS	NO	40.10575904	-104.9748568	Y
PWV-S04@8'	4/17/2023	8	5.2	NS	NO	40.10575963	-104.9749566	Y
PWV-E01@8'	4/17/2023	8	386.0	Stain	Odor	40.10587882	-104.9746661	Y
PWV-E02@8'	4/17/2023	8	857.9	Stain	Odor	40.10583265	-104.9746585	Y
PWV-E03@8'	4/17/2023	8	409.7	Stain	Odor	40.10578871	-104.9746691	Y

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Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
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
Base02@8'	3/29/2023	8	380	Stain	Odor	40.106139	-104.974706	Y
SEP01 OUT-N01@8'	3/29/2023	8	1.8	NS	NO	40.10615299	-104.9747488	Y
SEP01 OUT-S01@8'	3/29/2023	8	2.5	Stain	Odor	40.10608342	-104.9747199	Y
SEP01 OUT-E01@8'	3/29/2023	8	1260	Stain	Odor	40.106119	-104.97473	Y
SEP01 OUT-W01@8'	3/29/2023	8	188	Stain	Odor	40.10611942	-104.9747591	Y
Base 01@10'	3/29/2023	10	118	Stain	Odor	40.10614051	-104.9747006	Y
COMBINED EXCAVATION SAMPLES								
B01@10'	4/21/2023	10	4.9	NS	NO	40.10589508	-104.97464	Y
B02@10'	4/21/2023	10	3.5	NS	NO	40.10594823	-104.9746734	Y
B03@10'	4/21/2023	10	1.2	NS	NO	40.10602213	-104.9745878	Y
B04@10'	4/21/2023	10	1.3	NS	NO	40.10604648	-104.9746749	Y
B05@10'	4/21/2023	10	1.8	NS	NO	40.10614704	-104.9745822	Y
B06@11'	4/21/2023	11	8.2	NS	NO	40.10614192	-104.9746769	Y
E01@8'	4/21/2023	8	922.3	Stain	Odor	40.10588016	-104.97462	Y
E02@8'	4/21/2023	8	695.4	Stain	Odor	40.10591973	-104.9745741	Y
E03@8'	4/21/2023	8	15.1	Stain	NO	40.10596124	-104.9745392	Y
E04@8'	4/21/2023	8	473.3	Stain	Odor	40.10600903	-104.9745166	Y
E05@8'	4/21/2023	8	495	Stain	Odor	40.10606055	-104.9745159	Y
E06@8'	4/21/2023	8	3.2	NS	NO	40.10611761	-104.9745029	Y
E07@8'	4/21/2023	8	4.6	NS	NO	40.1061674	-104.9745177	Y
N01@8'	4/21/2023	8	1.2	NS	NO	40.10620333	-104.9745697	Y
N02@8'	4/21/2023	8	1.1	NS	NO	40.10619204	-104.9746303	Y
N03@8'	4/21/2023	8	1.2	NS	NO	40.10618399	-104.9746909	Y
E10@8'	5/5/2023	8	277.5	Stain	Odor	40.10595758	-104.9745137	Y
E11@8'	5/5/2023	8	3.5	NS	NO	40.10593747	-104.9744513	Y
E12@8'	5/5/2023	8	3.5	NS	NO	40.10589423	-104.9744122	Y
E13@8'	5/5/2023	8	1.7	NS	NO	40.10584096	-104.9744255	Y
E08@8'	5/5/2023	8	2.3	NS	NO	40.10580028	-104.9744706	Y
E09@8'	5/5/2023	8	2.6	NS	NO	40.10576057	-104.9744959	Y
S05@8'	5/5/2023	8	1.0	NS	NO	40.10574292	-104.9746427	Y
S06@8'	5/5/2023	8	0.8	NS	NO	40.10574822	-104.974574	Y
B07@10'	5/5/2023	10	1.0	NS	NO	40.10574292	-104.9746427	Y
B08@10'	5/5/2023	10	1.2	NS	NO	40.10578231	-104.9746362	Y
B09@10'	5/5/2023	10	0.9	NS	NO	40.10578518	-104.9745305	Y

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COMBINED EXCAVATION SAMPLES								
B10@10'	5/5/2023	10	0.4	NS	NO	40.10583736	-104.9745842	Y
W05@8'	5/5/2023	8	0.3	NS	NO	40.10598411	-104.9749986	Y
W06@8'	5/5/2023	8	1.3	NS	NO	40.10603217	-104.9749826	Y
W07@8'	5/5/2023	8	1.0	NS	NO	40.10608756	-104.9749451	Y
W08@8'	5/5/2023	8	0.6	NS	NO	40.10612654	-104.974902	Y
B11@10'	5/5/2023	10	0.7	NS	NO	40.10591687	-104.9745051	Y
B12@10'	5/5/2023	10	3.4	NS	NO	40.1061352	-104.9747569	Y
B13@10'	5/5/2023	10	3.2	NS	NO	40.1060765	-104.9747822	Y
B14@10'	5/5/2023	10	2.9	NS	NO	40.10613128	-104.97485	Y
B15@10'	5/5/2023	10	3.3	NS	NO	40.10605258	-104.9749239	Y
B16@10'	5/5/2023	10	2.5	NS	NO	40.10601836	-104.974815	Y
B17@10'	5/5/2023	10	0.2	NS	NO	40.1059679	-104.9749459	Y
B18@10'	5/5/2023	10	0.3	NS	NO	40.10595262	-104.9748248	Y
N06@8'	5/5/2023	8	0.6	NS	NO	40.10616001	-104.9748677	Y
N07@8'	5/5/2023	8	1.2	NS	NO	40.10617469	-104.974797	Y
N08@8'	5/5/2023	8	1.3	NS	NO	40.10617763	-104.9747459	Y
W09@8'	7/14/2023	8	2.7	NS	NO	40.10572368	-104.9749217	Y
W10@8'	7/14/2023	8	0.5	NS	NO	40.10568322	-104.9749228	Y
S07@8'	7/14/2023	8	3.9	NS	NO	40.1056459	-104.9748666	Y
S08@8'	7/14/2023	8	4.3	NS	NO	40.10564177	-104.9747821	Y
S09@8'	7/14/2023	8	0.1	NS	NO	40.10564649	-104.9747128	Y
S10@8'	7/14/2023	8	0.8	NS	NO	40.10566074	-104.9746458	Y
B19@12'	7/14/2023	12	7.9	NS	NO	40.10570319	-104.9748491	Y
B20@12'	7/14/2023	12	10.1	NS	NO	40.10570555	-104.9747654	Y
B21@12'	7/14/2023	12	0.1	NS	NO	40.10570673	-104.974692	Y
B01@12'	7/14/2023	12	0.8	NS	NO	40.10589553	-104.9746324	Y
B22@9'	8/8/2023	9	6.2	NS	NO	40.106042	-104.974515	Y
N09@6'	8/8/2023	6	1.4	NS	NO	40.106099	-104.974522	Y
E14@6'	8/8/2023	6	4.2	NS	NO	40.106081	-104.974484	Y
E15@6'	8/8/2023	6	5.6	NS	NO	40.106038	-104.974485	Y
S11@6'	8/8/2023	6	4.4	NS	NO	40.106008	-104.974518	Y
FLOWLINE POTHOLE SAMPLES								
PH01	7/26/2023	5	5.2	NS	NO	40.10613677	-104.975659	N
PH02	7/26/2023	6	3.3	NS	NO	40.106122	-104.976281	N
PH03	7/26/2023	5	0.3	NS	NO	40.10612	-104.97663	N
PH04	7/26/2023	4	0.7	NS	NO	40.106129	-104.97702	N

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Soil Sample Location	Date	Depth (ft. bgs)	PID Reading (ppm)	Visual Observation	Olfactory Observation	Latitude	Longitude	Submitted for Lab Analysis? (Y/N)
FLOWLINE POTHOLE SAMPLES								
PH05/FL01@4'	7/26/2023	4	2.2	NS	NO	40.106121	-104.977394	Y
PH06	7/26/2023	5	0.7	NS	NO	40.105956	-104.977405	N
PH07	7/26/2023	5	0.2	NS	NO	40.105407	-104.977394	N
PH08	7/26/2023	5	3.2	NS	NO	40.104829	-104.977436	N
PH09	7/26/2023	5	0.2	NS	NO	40.104256	-104.977437	N
PH10	7/26/2023	5	1.2	NS	NO	40.103717	-104.977432	N
PH11	7/26/2023	5	0.7	NS	NO	40.103177	-104.977421	N
PH12/FL02@4'	7/26/2023	4	1.4	NS	NO	40.102327	-104.977308	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
BACKGROUND SOIL SAMPLES								
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
Native-BG01@6'	7/14/2023	6	0.3	NS	NO	40.106825	-104.9749085	Y
Native-BG01@12'	7/14/2023	12	0.1	NS	NO	40.106825	-104.9749085	Y
Native-BG02@6'	7/14/2023	6	0.0	NS	NO	40.10622953	-104.9743732	Y
Native-BG02@12'	7/14/2023	12	0.0	NS	NO	40.10622953	-104.9743732	Y
Native-BG03@6'	7/14/2023	6	0.2	NS	NO	40.10565067	-104.9744824	Y
Native-BG03@12'	7/14/2023	12	0.5	NS	NO	40.10565067	-104.9744824	Y
Native-BG04@6'	7/14/2023	6	0.0	NS	NO	40.10594374	-104.9751851	Y
Native-BG04@12'	7/14/2023	12	0.0	NS	NO	40.10594374	-104.9751851	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
PWV-E02@6'	03/29/2023	6	250	673	<100	0.195	0.0185	1.81	1.57	24.7	0.0400	0.589
PWV-B01@7'	03/29/2023	7	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.000760	<0.00200	<0.00201
PWV-W01@6'	03/29/2023	6	2.00	<25.0	<100	<0.00200	0.000600	<0.00200	0.000880	0.00302	<0.00200	0.012
PWV-N01@6'	03/29/2023	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-S01@6'	03/29/2023	6	0.380	<25.0	<100	<0.00200	<0.00200	0.000540	0.00164	0.0363	0.00806	0.00281
PWV-B02@10'	04/17/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-B03@10'	04/17/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-B04@10'	04/17/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-B05@10'	04/17/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	0.00234	<0.00200	<0.00200	<0.00200	<0.00201
PWV-B06@10'	04/17/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	0.00226	<0.00200	<0.00200	<0.00200	<0.00201
PWV-N02@8'	04/17/2023	8	1510	654	<100	0.760	0.164	8.29	19.2	19.0	12.7	0.879
PWV-N03@8'	04/17/2023	8	993	481	<100	0.0955	0.0148	2.83	75.2	25.6	9.09	0.317
PWV-N04@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	0.00236	<0.00200	0.00302	<0.00200	<0.00201
PWV-N05@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-W01@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-W02@8'	04/17/2023	8	<0.200	30.4	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-W03@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-W04@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	0.00724	<0.00200	<0.00200	<0.00201
PWV-S01@8'	04/17/2023	8	1340	156	<100	0.0730	0.0199	4.04	101	22.1	8.88	0.654
PWV-S02@8'	04/17/2023	8	5.07	91.9	<100	<0.00200	<0.00200	0.0611	0.188	0.0708	0.0173	0.00589
PWV-S03@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-S04@8'	04/17/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
PWV-E01@8'	04/17/2023	8	1310	81.7	<100	0.204	0.00222	3.39	0.00640	<0.500	7.28	0.098
PWV-E02@8'	04/17/2023	8	1840	1060	<100	2.07	0.0692	8.08	91.1	36.2	27.9	1.29
PWV-E03@8'	04/17/2023	8	695	298	<100	0.407	0.121	4.45	55.6	20.5	16.7	0.83
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
SEP01 OUT-N01@8'	03/29/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.00100	<0.00200	<0.00201
SEP01 OUT-S01@8'	03/29/2023	8	0.133	<25.0	<100	<0.00200	<0.00200	<0.00200	0.000180	<0.00200	<0.00200	<0.00201
SEP01 OUT-E01@8'	03/29/2023	8	305	<25.0	<100	0.130	0.0720	3.41	2.94	16.7	0.109	0.358
SEP01 OUT-W01@8'	03/29/2023	8	0.456	<25.0	<100	<0.00200	<0.00200	0.00622	0.0194	0.0295	0.00548	0.00539
BASE02@8'	03/29/2023	8	1280	103	<100	0.297	0.0350	6.13	5.19	36.2	0.0345	0.118
BASE 01@10'	03/29/2023	10	214	<25.0	<100	<0.0500	<0.0500	1.13	3.19	4.77	0.705	0.0861
B01@10'	04/21/2023	10	0.417	<25.0	<100	0.00318	<0.00200	0.00388	0.0337	0.0113	0.00714	<0.00201

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
B02@10'	04/21/2023	10	<0.200	<25.0	<100	0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B03@10'	04/21/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
COMBINED EXCAVATION SAMPLES												
B04@10'	04/21/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B05@10'	04/21/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B06@10'	04/21/2023	10	<0.200	<25.0	<100	0.00208	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E01@8'	04/21/2023	8	1380	164	<100	1.68	<0.0500	7.89	10.5	31.9	6.04	0.737
E02@8'	04/21/2023	8	839	240	<100	0.620	<0.0500	2.68	8.59	12.6	0.520	0.369
E03@8'	04/21/2023	8	<0.200	<25.0	<100	0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E04@8'	04/21/2023	8	253	230	<100	<0.00200	<0.00200	<0.00200	0.00994	0.0151	<0.00200	<0.00201
E05@8'	04/21/2023	8	452	419	<100	<0.00200	<0.00200	<0.00200	0.0193	<0.00200	<0.00200	<0.00201
E06@8'	04/21/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E07@8'	04/21/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
N01@8'	04/21/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
N02@8'	04/21/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
N03@8'	04/21/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E10@8'	05/05/2023	8	5.95	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	0.00236	<0.00200	<0.00201
E11@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E12@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E13@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E08@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
E09@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
S05@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
S06@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B07@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B08@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B09@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B10@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
W05@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
W06@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
W07@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
W08@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B11@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B12@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B13@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B14@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B15@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B16@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B17@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B18@10'	05/05/2023	10	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201

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
N06@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
N07@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
N08@8'	05/05/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
W09@8'	7/14/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
W10@8'	7/14/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
S07@8'	7/14/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
S08@8'	7/14/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
S09@8'	7/14/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
S10@8'	7/14/2023	8	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B19@12'	7/14/2023	12	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B20@12'	7/14/2023	12	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B21@12'	7/14/2023	12	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B01@12'	7/14/2023	12	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00201
B22@9'	8/8/2023	9	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
N09@6'	8/8/2023	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
E14@6'	8/8/2023	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
E15@6'	8/8/2023	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
S11@6'	8/8/2023	6	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.002
FLOWLINE POTHOLE												
FL01@4'	7/26/2023	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380
FL02@4'	7/26/2023	4	<0.200	<25.0	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380

**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
PWV-B01@7'	03/29/2023	7	<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	0.000748
PWV-W01@6'	03/29/2023	6	0.0114	0.000698	<0.00067	<0.00067	<0.00067	<0.00067	0.000855	<0.00067	<0.00067	0.0249	<0.00067	0.0731	0.108	0.00156
PWV-N01@6'	03/29/2023	6	<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
PWV-S01@6'	03/29/2023	6	0.00325	0.000465	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00854	<0.00067	0.0135	0.0216	0.000763
PWV-B02@10'	04/17/2023	10	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00201	0.00205	<0.00067
PWV-B03@10'	04/17/2023	10	<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
PWV-B04@10'	04/17/2023	10	<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
PWV-B05@10'	04/17/2023	10	<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
PWV-B06@10'	04/17/2023	10	<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
PWV-N02@8'	04/17/2023	8	0.0579	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0838	<0.00335	0.98	2.37	<0.00335
PWV-N03@8'	04/17/2023	8	0.0235	0.000701	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.041	<0.00067	0.499	1.09	0.00101
PWV-N04@8'	04/17/2023	8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000325	<0.00067	<0.00201	<0.00201	<0.00067
PWV-N05@8'	04/17/2023	8	<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
PWV-W01@8'	04/17/2023	8	<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
PWV-W02@8'	04/17/2023	8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00125	<0.00067	<0.00201	<0.00201	<0.00067
PWV-W03@8'	04/17/2023	8	<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
PWV-W04@8'	04/17/2023	8	<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
PWV-S01@8'	04/17/2023	8	0.0307	0.00105	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0557	<0.00067	0.65	1.69	0.00142
PWV-S02@8'	04/17/2023	8	0.00292	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.011	<0.00067	0.00361	<0.00201	0.000821
PWV-S03@8'	04/17/2023	8	<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
PWV-S04@8'	04/17/2023	8	<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
PWV-E01@8'	04/17/2023	8	0.0181	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0311	<0.00335	0.168	0.355	<0.00335
PWV-E02@8'	04/17/2023	8	0.0867	0.00336	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.137	<0.00335	1.58	2.8	<0.00335
PWV-E03@8'	04/17/2023	8	0.0525	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0784	<0.00335	0.722	1.98	<0.00335
SEPARATOR SAMPLES																
SEP01 OUT-N01@8'	03/29/2023	8	<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
SEP01 OUT-S01@8'	03/29/2023	8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000314	<0.00067	<0.00201	<0.00201	<0.00067
SEP01 OUT-E01@8'	03/29/2023	8	0.0253	0.00104	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0457	<0.00067	0.44	1.04	0.00124
SEP01 OUT-W01@8'	03/29/2023	8	0.00129	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00202	<0.00067	0.00786	0.0194	<0.00067
BASE02@8'	03/29/2023	8	0.0147	0.000523	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0228	<0.00067	0.157	0.403	0.000932
BASE 01@10'	03/29/2023	10	0.00876	0.000899	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0224	<0.00067	0.122	0.265	0.000698
COMBINED EXCAVATION SAMPLES																
B02@10'	04/21/2023	10	<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 2-2
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
B03@10'	04/21/2023	10	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00127	<0.00201	<0.00067
B04@10'	04/21/2023	10	<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
B05@10'	04/21/2023	10	<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
COMBINED EXCAVATION SAMPLES																
B06@10'	04/21/2023	10	<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
E01@8'	04/21/2023	8	0.0497	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0705	<0.00335	0.642	1.89	<0.00335
E02@8'	04/21/2023	8	0.0411	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	<0.00335	0.0536	<0.00335	0.401	1.08	<0.00335
E03@8'	04/21/2023	8	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00034	<0.00067	<0.00201	<0.00201	<0.00067
E04@8'	04/21/2023	8	0.00272	0.000457	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0199	<0.00067	0.0091	<0.00201	<0.00067
E05@8'	04/21/2023	8	0.00479	0.000855	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.0313	<0.00067	0.00164	0.00235	<0.00067
E06@8'	04/21/2023	8	<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
E07@8'	04/21/2023	8	<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
N01@8'	04/21/2023	8	<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
N02@8'	04/21/2023	8	<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
N03@8'	04/21/2023	8	<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
E10@8'	05/05/2023	8	0.00171	0.000433	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.00797	<0.00067	<0.00201	<0.00201	<0.00067
E11@8'	05/05/2023	8	<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
E12@8'	05/05/2023	8	<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
E13@8'	05/05/2023	8	<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
E08@8'	05/05/2023	8	<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
E09@8'	05/05/2023	8	<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
S05@8'	05/05/2023	8	<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
S06@8'	05/05/2023	8	<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
B07@10'	05/05/2023	10	<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
B08@10'	05/05/2023	10	<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
B09@10'	05/05/2023	10	<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
B10@10'	05/05/2023	10	<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
W05@8'	05/05/2023	8	<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
W06@8'	05/05/2023	8	<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
W07@8'	05/05/2023	8	<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
W08@8'	05/05/2023	8	<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
B11@10'	05/05/2023	10	<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
B12@10'	05/05/2023	10	<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
B13@10'	05/05/2023	10	<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
B14@10'	05/05/2023	10	<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
B15@10'	05/05/2023	10	<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
B16@10'	05/05/2023	10	<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
B17@10'	05/05/2023	10	<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 2-2
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
B18@10'	05/05/2023	10	<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
N06@8'	05/05/2023	8	<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
N07@8'	05/05/2023	8	<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
N08@8'	05/05/2023	8	<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
W09@8'	7/14/2023	8	<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
W10@8'	7/14/2023	8	<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
S07@8'	7/14/2023	8	<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
S08@8'	7/14/2023	8	<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
S09@8'	7/14/2023	8	<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
S10@8'	7/14/2023	8	<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
B19@12'	7/14/2023	12	<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
B20@12'	7/14/2023	12	<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
B21@12'	7/14/2023	12	<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
B01@12'	7/14/2023	12	<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
B22@9'	8/8/2023	9	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
N09@6'	8/8/2023	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
E14@6'	8/8/2023	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
E15@6'	8/8/2023	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
S11@6'	8/8/2023	6	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002	<0.020
FLOWLINE POTHOLE																
FL01@4'	7/26/2023	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL02@4'	7/26/2023	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
PWV-E02@6'	03/29/2023	6	NA	NA	NA	<0.100
PWV-B01@7'	03/29/2023	7	NA	NA	NA	<0.100
PWV-W01@6'	03/29/2023	6	NA	NA	NA	0.982
PWV-N01@6'	03/29/2023	6	NA	NA	NA	0.216
PWV-S01@6'	03/29/2023	6	NA	NA	NA	0.505
PWV-B02@10'	04/17/2023	10	NA	NA	NA	0.510
PWV-B03@10'	04/17/2023	10	NA	NA	NA	0.871
PWV-B04@10'	04/17/2023	10	NA	NA	NA	0.843
PWV-B05@10'	04/17/2023	10	NA	NA	NA	0.638
PWV-B06@10'	04/17/2023	10	NA	NA	NA	0.472
PWV-N02@8'	04/17/2023	8	NA	NA	NA	0.571
PWV-N03@8'	04/17/2023	8	NA	NA	NA	0.421
PWV-N04@8'	04/17/2023	8	NA	NA	NA	0.748
PWV-N05@8'	04/17/2023	8	NA	NA	NA	0.723
PWV-W01@8'	04/17/2023	8	NA	NA	NA	0.942
PWV-W02@8'	04/17/2023	8	NA	NA	NA	0.490
PWV-W03@8'	04/17/2023	8	NA	NA	NA	1.01
PWV-W04@8'	04/17/2023	8	NA	NA	NA	1.17
PWV-S01@8'	04/17/2023	8	NA	NA	NA	0.228
PWV-S02@8'	04/17/2023	8	NA	NA	NA	0.142
PWV-S03@8'	04/17/2023	8	NA	NA	NA	0.104
PWV-S04@8'	04/17/2023	8	NA	NA	NA	0.345
PWV-E01@8'	04/17/2023	8	NA	NA	NA	2.30
PWV-E02@8'	04/17/2023	8	NA	NA	NA	0.424
PWV-E03@8'	04/17/2023	8	NA	NA	NA	0.183
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
SEP01 OUT-N01@8'	03/29/2023	8	NA	NA	NA	0.762
SEP01 OUT-S01@8'	03/29/2023	8	NA	NA	NA	0.316
SEP01 OUT-E01@8'	03/29/2023	8	NA	NA	NA	0.538
SEP01 OUT-W01@8'	03/29/2023	8	NA	NA	NA	0.850
BASE02@8'	03/29/2023	8	NA	NA	NA	0.596
BASE 01@10'	03/29/2023	10	NA	NA	NA	0.756
COMBINED EXCAVATION SAMPLES						
B01@10'	04/21/2023	10	NA	NA	NA	0.913
B02@10'	04/21/2023	10	NA	NA	NA	0.746

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
B03@10'	04/21/2023	10	NA	NA	NA	0.896
COMBINED EXCAVATION SAMPLES						
B04@10'	04/21/2023	10	NA	NA	NA	0.762
B05@10'	04/21/2023	10	NA	NA	NA	0.820
B06@10'	04/21/2023	10	NA	NA	NA	1.03
E01@8'	04/21/2023	8	NA	NA	NA	0.487
E02@8'	04/21/2023	8	NA	NA	NA	1.04
E03@8'	04/21/2023	8	NA	NA	NA	0.377
E04@8'	04/21/2023	8	NA	NA	NA	0.315
E05@8'	04/21/2023	8	NA	NA	NA	0.473
E06@8'	04/21/2023	8	NA	NA	NA	0.333
E07@8'	04/21/2023	8	NA	NA	NA	0.365
N01@8'	04/21/2023	8	NA	NA	NA	0.250
N02@8'	04/21/2023	8	NA	NA	NA	0.480
N03@8'	04/21/2023	8	NA	NA	NA	0.464
E10@8'	05/05/2023	8	NA	NA	NA	0.687
E11@8'	05/05/2023	8	NA	NA	NA	0.919
E12@8'	05/05/2023	8	NA	NA	NA	0.330
E13@8'	05/05/2023	8	NA	NA	NA	0.775
E08@8'	05/05/2023	8	NA	NA	NA	0.964
E09@8'	05/05/2023	8	NA	NA	NA	0.239
S05@8'	05/05/2023	8	NA	NA	NA	0.321
S06@8'	05/05/2023	8	NA	NA	NA	0.119
B07@10'	05/05/2023	10	NA	NA	NA	0.433
B08@10'	05/05/2023	10	NA	NA	NA	0.828
B09@10'	05/05/2023	10	NA	NA	NA	0.969
B10@10'	05/05/2023	10	NA	NA	NA	0.985
W05@8'	05/05/2023	8	NA	NA	NA	0.537
W06@8'	05/05/2023	8	NA	NA	NA	0.534
W07@8'	05/05/2023	8	NA	NA	NA	0.357
W08@8'	05/05/2023	8	NA	NA	NA	0.327
B11@10'	05/05/2023	10	NA	NA	NA	1.01
B12@10'	05/05/2023	10	NA	NA	NA	0.802
B13@10'	05/05/2023	10	NA	NA	NA	0.962
B14@10'	05/05/2023	10	NA	NA	NA	0.211
B15@10'	05/05/2023	10	NA	NA	NA	0.731
B16@10'	05/05/2023	10	NA	NA	NA	0.800
B17@10'	05/05/2023	10	NA	NA	NA	0.818
B18@10'	05/05/2023	10	NA	NA	NA	0.911
N06@8'	05/05/2023	8	NA	NA	NA	0.953
N07@8'	05/05/2023	8	NA	NA	NA	1.37
N08@8'	05/05/2023	8	NA	NA	NA	1.40

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
W09@8'	7/14/2023	8	NA	NA	NA	0.388
W10@8'	7/14/2023	8	NA	NA	NA	1.09
S07@8'	7/14/2023	8	NA	NA	NA	0.359
S08@8'	7/14/2023	8	NA	NA	NA	0.276
S09@8'	7/14/2023	8	NA	NA	NA	0.347
S10@8'	7/14/2023	8	NA	NA	NA	0.213
B19@12'	7/14/2023	12	NA	NA	NA	0.578
B20@12'	7/14/2023	12	NA	NA	NA	0.528
B21@12'	7/14/2023	12	NA	NA	NA	0.322
B01@12'	7/14/2023	12	NA	NA	NA	1.24
B22@9'	8/8/2023	9	NA	NA	NA	0.990
N09@6'	8/8/2023	6	NA	NA	NA	1.29
E14@6'	8/8/2023	6	NA	NA	NA	0.808
E15@6'	8/8/2023	6	NA	NA	NA	0.826
S11@6'	8/8/2023	6	NA	NA	NA	0.934
FLOWLINE POTHOLE						
FL01@4'	7/26/2023	4	0.401	0.525	8.30	0.674
FL02@4'	7/26/2023	4	0.210	0.215	8.38	0.362
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
Native-BG01@6'	7/14/2023	6	1.07	4.54	8.21	0.836
Native-BG01@12'	7/14/2023	12	1.12	4.14	8.23	0.767
Native-BG02@6'	7/14/2023	6	1.39	7.81	8.27	1.03
Native-BG02@12'	7/14/2023	12	1.27	6.68	8.30	1.11
Native-BG03@6'	7/14/2023	6	2.95	11.7	8.31	0.572
Native-BG03@12'	7/14/2023	12	1.37	5.54	8.25	0.822
Native-BG04@6'	7/14/2023	6	2.45	8.22	8.17	0.727
Native-BG04@12'	7/14/2023	12	2.86	5.47	8.15	0.694

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	03/02/2023	0.5	4.97	124	0.155	<0.512	11.1	<8.74	11.2	0.185	<0.0874	<87.4
AST01@2'	03/29/2023	2	5.28*	108	0.190	NA	13.7	NA	13.4	0.229	NA	NA
PRODUCED WATER VESSEL SAMPLES												
PWV-B01@7'	03/29/2023	7	3.08*	58.4	<0.0960	NA	<9.60	NA	<9.60	0.0960	NA	NA
PWV-W01@6'	03/29/2023	6	3.80*	57.2	<0.0968	NA	11.2	NA	<9.68	0.103	NA	NA
PWV-N01@6'	03/29/2023	6	4.29*	123*	0.170	NA	12.8	NA	12.3	0.159	NA	NA
PWV-S01@6'	03/29/2023	6	2.53*	78.2	<0.0987	NA	11.3	NA	<9.87	<0.0987	NA	NA
PWV-B02@10'	04/17/2023	10	5.55*	139*	0.108	NA	11.3	10.3	12.8	0.153	NA	NA
PWV-B03@10'	04/17/2023	10	4.83*	61.0	0.151	NA	10.6	9.28	11.5	0.140	NA	NA
PWV-B04@10'	04/17/2023	10	9.06	187*	0.228	NA	14.6	11.9	14.2	0.345	NA	NA
PWV-B05@10'	04/17/2023	10	20.0	121*	0.275	NA	22.0	12.5	18.4	0.480	NA	NA
PWV-B06@10'	04/17/2023	10	4.93*	110*	0.190	NA	11.2	<8.67	13.7	0.155	NA	NA
PWV-N02@8'	04/17/2023	8	4.72*	111*	0.128	NA	12.0	8.95	12.1	0.116	NA	NA
PWV-N03@8'	04/17/2023	8	10.8	136*	0.216	NA	15.5	13.5	12.0	0.468	NA	NA
PWV-N04@8'	04/17/2023	8	15.2	153*	0.248	NA	19.2	12.3	16.2	0.347	NA	NA
PWV-N05@8'	04/17/2023	8	6.19	103*	0.135	NA	11.3	<8.81	10.8	0.195	NA	NA
PWV-W01@8'	04/17/2023	8	5.32*	120*	0.145	NA	11.3	<9.54	12.5	0.101	NA	NA
PWV-W02@8'	04/17/2023	8	4.38*	109*	0.117	NA	10.3	<9.16	11.7	0.119	NA	NA
PWV-W03@8'	04/17/2023	8	4.90*	147*	<0.0949	NA	11.8	10.3	14.9	<0.0949	NA	NA
PWV-W04@8'	04/17/2023	8	5.10*	106*	0.122	NA	11.8	<9.63	14.6	<0.0963	NA	NA
PWV-S01@8'	04/17/2023	8	4.62*	74.6	0.0994	NA	10.8	<8.95	12.5	0.0949	NA	NA
PWV-S02@8'	04/17/2023	8	2.91*	58.0	<0.0906	NA	<9.06	<9.06	<9.06	<0.0906	NA	NA
PWV-S03@8'	04/17/2023	8	2.43*	60.9	<0.0999	NA	<9.99	<9.99	<9.99	<0.0999	NA	NA
PWV-S04@8'	04/17/2023	8	4.22*	79.5	0.163	NA	11.3	12.9	11.5	0.321	NA	NA
PWV-E01@8'	04/17/2023	8	6.37	132*	0.163	NA	14.0	12.0	17.5	0.215	NA	NA
PWV-E02@8'	04/17/2023	8	3.01*	98.0*	<0.0994	NA	<9.94	<9.94	10.6	<0.0994	NA	NA
PWV-E03@8'	04/17/2023	8	3.35*	94.4*	<0.0901	NA	10.1	<9.01	12.1	<0.0901	NA	NA
SEPARATOR SAMPLES												
SEP01 OUT-S01@8'	03/29/2023	8	5.73*	103*	0.205	NA	14.1	NA	12.1	0.224	NA	NA
SEP01 OUT-E01@8'	03/29/2023	8	5.49*	208*	0.202	NA	13.8	NA	14.6	0.150	NA	NA
SEP01 OUT-W01@8'	03/29/2023	8	5.39*	160*	0.179	NA	13.1	NA	12.9	0.195	NA	NA
BASE02@8'	03/29/2023	8	13.4	109*	0.498	NA	22.1	NA	27.3	0.462	NA	NA
BASE 01@10'	03/29/2023	10	4.82*	123*	0.138	NA	11.4	NA	11.9	0.127	NA	NA
COMBINED EXCAVATION SAMPLES												
B02@10'	04/21/2023	10	3.92*	1160*	0.111	NA	<9.27	<9.27	9.97	0.103	NA	NA
B03@10'	04/21/2023	10	5.84	147*	0.161	NA	12.2	<9.42	10.8	0.149	NA	NA
B04@10'	04/21/2023	10	3.74*	70.7	<0.0955	NA	<9.55	<9.55	<9.55	0.0955	NA	NA
B05@10'	04/21/2023	10	4.32*	122*	0.0962	NA	<8.66	<8.66	9.51	0.128	NA	NA
B06@10'	04/21/2023	10	4.21*	93.8*	0.121	NA	<9.24	<9.24	10.9	0.105	NA	NA

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
E01@8'	04/21/2023	8	4.81	172	0.152	NA	11.9	11.9	12.8	0.256	NA	NA
COMBINED EXCAVATION SAMPLES												
E02@8'	04/21/2023	8	7.53	156*	0.235	NA	14.9	<9.56	12.1	0.185	NA	NA
E03@8'	04/21/2023	8	2.82	119*	0.106	NA	<9.39	<9.39	10.0	<0.0939	NA	NA
E04@8'	04/21/2023	8	3.47	143*	<0.0936	NA	<9.36	<9.36	9.58	<0.0936	NA	NA
E05@8'	04/21/2023	8	2.98	<100	<0.0933	NA	<9.33	<9.33	<9.33	<0.0933	NA	NA
E06@8'	04/21/2023	8	3.62	95.4*	<0.0968	NA	<9.68	<9.68	<9.68	<0.0968	NA	NA
E07@8'	04/21/2023	8	4.59	139*	0.146	NA	11.2	11.4	11.6	0.242	NA	NA
N01@8'	04/21/2023	8	5.39	185*	0.174	NA	11.3	10.1	12.9	0.197	NA	NA
N02@8'	04/21/2023	8	5.33	194*	0.169	NA	12.2	9.99	13.4	0.215	NA	NA
N03@8'	04/21/2023	8	2.98	93.4*	<0.0871	NA	<8.71	<8.71	<8.71	0.111	NA	NA
E10@8'	05/05/2023	8	4.23	101*	0.109	NA	11.3	9.44	12.2	0.149	NA	NA
E11@8'	05/05/2023	8	4.14	95.9*	0.125	NA	10.0	<8.70	11.0	0.113	NA	NA
E12@8'	05/05/2023	8	4.11*	111*	0.156	NA	12.1	10.2	13.3	0.138	NA	NA
E13@8'	05/05/2023	8	4.61*	117*	0.190	NA	12.1	11.7	13.4	0.238	NA	NA
E08@8'	05/05/2023	8	3.06*	97.2*	0.0974	NA	<8.70	<8.70	8.89	<0.0870	NA	NA
E09@8'	05/05/2023	8	2.90*	115*	<0.0936	NA	<9.36	<9.36	11.7	<0.0936	NA	NA
S05@8'	05/05/2023	8	4.16*	88.2*	0.115	NA	9.47	9.70	9.87	0.145	NA	NA
S06@8'	05/05/2023	8	2.25*	46.1	<0.0920	NA	<9.20	<9.20	<9.20	<0.0920	NA	NA
B07@10'	05/05/2023	10	4.35*	73.9	<0.0930	NA	<9.30	<9.30	11.8	0.0967	NA	NA
B08@10'	05/05/2023	10	5.32*	214*	0.123	NA	9.85	9.94	12.9	0.163	NA	NA
B09@10'	05/05/2023	10	6.65	86.4*	0.229	NA	11.6	11.0	13.1	0.219	NA	NA
B10@10'	05/05/2023	10	5.35*	76.6	0.153	NA	11.8	12.1	14.2	0.141	NA	NA
W05@8'	05/05/2023	8	3.13*	98.6*	<0.0933	NA	<9.33	<9.33	9.61	<0.0933	NA	NA
W06@8'	05/05/2023	8	3.08*	85.5*	0.110	NA	<8.74	<8.74	9.22	0.135	NA	NA
W07@8'	05/05/2023	8	4.51*	112*	0.174	NA	<9.57	<9.57	9.78	<0.0957	NA	NA
W08@8'	05/05/2023	8	4.89*	124*	0.112	NA	11.6	10.6	12.3	0.137	NA	NA
B11@10'	05/05/2023	10	9.31	449*	0.215	NA	13.4	14.2	20.2	0.353	NA	NA
B12@10'	05/05/2023	10	3.68*	88.1*	0.151	NA	<9.04	<9.04	11.6	0.113	NA	NA
B13@10'	05/05/2023	10	4.44*	194*	0.194	NA	10.8	10.2	13.6	0.148	NA	NA
B14@10'	05/05/2023	10	3.70*	91.4*	0.134	NA	<8.88	9.07	10.3	<0.0888	NA	NA
B15@10'	05/05/2023	10	3.45*	88.8*	0.152	NA	<8.74	<8.74	9.82	0.0908	NA	NA
B16@10'	05/05/2023	10	3.96*	96.8*	0.139	NA	9.65	<9.21	10.6	0.151	NA	NA
B17@10'	05/05/2023	10	3.61*	74.2*	0.119	NA	8.92	8.61	10.8	0.109	NA	NA
B18@10'	05/05/2023	10	4.61*	95.0*	0.142	NA	9.96	9.66	11.7	0.138	NA	NA
N06@8'	05/05/2023	8	4.03*	124*	0.129	NA	9.50	9.80	10.9	<0.0880	NA	NA
N07@8'	05/05/2023	8	4.39*	137*	0.135	NA	9.77	<9.43	11.2	<0.0943	NA	NA
N08@8'	05/05/2023	8	5.17*	94.9*	0.131	NA	10.5	<9.56	11.4	0.124	NA	NA
W09@8'	7/14/2023	8	2.61*	47.2	<0.0958	NA	<9.58	<9.58	<9.58	<0.09580	NA	NA
W10@8'	7/14/2023	8	4.15*	204*	0.130	NA	11.2	9.82	12.3	0.142	NA	NA

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
S07@8'	7/14/2023	8	3.45*	37.8	<0.0948	NA	<9.48	<9.48	<9.48	0.116	NA	NA
S08@8'	7/14/2023	8	3.46*	41.3	<0.0869	NA	<8.69	<8.69	<8.69	0.108	NA	NA
S09@8'	7/14/2023	8	2.56*	40.8	<0.0929	NA	<9.29	<9.29	<9.29	<0.0929	NA	NA
S10@8'	7/14/2023	8	3.00*	65.8	<0.0847	NA	<8.47	<8.47	<8.47	0.0941	NA	NA
B19@12'	7/14/2023	12	4.76*	91.9*	0.209	NA	14.8	9.57	13.4	0.172	NA	NA
B20@12'	7/14/2023	12	6.52	1010*	0.265	NA	14.5	9.67	13.8	0.274	NA	NA
B21@12'	7/14/2023	12	4.02*	75.2	0.160	NA	11.2	<9.54	9.85	0.181	NA	NA
B01@12'	7/14/2023	12	4.87	56.2	<0.0940	NA	14.8	9.71	14.9	0.136	NA	NA
B22@9'	8/8/2023	9	4.50*	47.9	0.103	NA	<9.03	<9.03	11.0	0.107	NA	NA
N09@6'	8/8/2023	6	6.68	83.3	0.0905	NA	9.38	<8.62	12.2	0.0931	NA	NA
E14@6'	8/8/2023	6	5.02*	119*	0.161	NA	<9.02	<9.02	10.0	<0.0902	NA	NA
E15@6'	8/8/2023	6	3.99*	85.4*	0.0932	NA	10.1	9.27	12.3	<0.0879	NA	NA
S11@6'	8/8/2023	6	4.33*	114*	0.160	NA	10.5	9.56	13.4	0.143	NA	NA
FLOWLINE POTHOLE SAMPLES												
FL01@4'	7/26/2023	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FL02@4'	7/26/2023	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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
Native-BG01@6'	7/14/2023	6	4.12	75.9	0.189	NA	10.6	<9.45	10.2	0.113	NA	NA
Native-BG01@12'	7/14/2023	12	4.48	1200	0.181	NA	10.9	9.32	10.9	0.161	NA	NA
Native-BG02@6'	7/14/2023	6	3.86	241	<0.0918	NA	10.6	<9.18	12.1	0.110	NA	NA
Native-BG02@12'	7/14/2023	12	4.40	55.3	0.157	NA	<9.67	10.0	12.5	0.167	NA	NA
Native-BG03@6'	7/14/2023	6	2.70	57.0	<0.0926	NA	<9.26	<9.26	<9.26	<0.0926	NA	NA
Native-BG03@12'	7/14/2023	12	5.86	84.6	0.187	NA	14.5	12.3	14.8	0.233	NA	NA
Native-BG04@6'	7/14/2023	6	5.31	247	0.202	NA	11.0	9.25	10.5	0.218	NA	NA
Native-BG04@12'	7/14/2023	12	4.58	83.2	0.274	NA	12.2	10.9	10.7	0.196	NA	NA

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

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE, LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4- trimethylbenzene (µg/L)	1,3,5- trimethylbenzene (µg/L)	Total Dissolved Solids (ug/L)	Chloride Ion (ug/L)	Sulfate Ion (ug/L)	Depth to Water/ (Product Thickness) (ft bgs)
ECMC Allowable Levels		5	560	700	1400	140	67	67	NA	250,000	250,000	
GW01	4/17/2023	18.2	<1.00	166	358	<2.00	<2.00	62.6	2,010,000	144,000	801,111	8.0
GW02	4/17/2023	30.8	<1.00	149	34.0	27.7	59.0	7.11	2,340,000	171,000	1,070,000	8.0

Notes: ECMC - Energy and Carbon Management Commission

µg/L - micrograms per liter

ft bgs - feet below ground surface

< - less than laboratory reporting limit

NA - not analyzed/not available

Excavation groundwater depth is approximate

Total dissolved solids, chloride ion, and sulfate ion parameters based on background sample (BGGW02) concentration x 1.25

BOLD = Analytical result is in exceedance of ECMC Table 915-1 groundwater standards.

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.

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 (> ¼ 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.



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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

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	"	"	"	"	"

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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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.



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.

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

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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			"	"	"

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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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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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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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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.



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Ensolum
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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	"	"	"	"	"	

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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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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

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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Jen Pellegrini, Project Manager

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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	"	"	"	"	"

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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

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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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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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

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

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

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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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.



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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
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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.



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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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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			

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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

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 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			

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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			

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Ensolum
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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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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

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

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

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

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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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

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	

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

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			

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

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			

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

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			

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

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				-			

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

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			

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

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.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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April 13, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - KMG - Pace Connelly Gas Unit
1-26**

Project Number - 09A1417237

Attached are your analytical results for KMG - Pace Connelly Gas Unit 1-26 received by Origins Laboratory, Inc. March 29, 2023. This project is associated with Origins project number Y303764-01.

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST01@2'	Y303764-01	Soil	March 29, 2023 15:40	03/29/2023 17:30
BASE02@8'	Y303764-02	Soil	March 29, 2023 14:25	03/29/2023 17:30
SEP01 OUT-N01@8'	Y303764-03	Soil	March 29, 2023 14:30	03/29/2023 17:30
SEP01 OUT-S01@8'	Y303764-04	Soil	March 29, 2023 14:35	03/29/2023 17:30
SEP01 OUT-E01@8'	Y303764-05	Soil	March 29, 2023 14:40	03/29/2023 17:30
SEP01 OUT-W01@8'	Y303764-06	Soil	March 29, 2023 14:45	03/29/2023 17:30
BASE 01@10'	Y303764-07	Soil	March 29, 2023 14:50	03/29/2023 17:30
PWV-E02@6'	Y303764-08	Soil	March 29, 2023 15:05	03/29/2023 17:30
PWV-B01@7'	Y303764-09	Soil	March 29, 2023 15:10	03/29/2023 17:30
PWV-W01@6'	Y303764-10	Soil	March 29, 2023 15:15	03/29/2023 17:30
PWV-N01@6'	Y303764-11	Soil	March 29, 2023 15:20	03/29/2023 17:30
PWV-S01@6'	Y303764-12	Soil	March 29, 2023 15:25	03/29/2023 17:30

Origins Laboratory, Inc.



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Page 4 of 64

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

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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4303764

Client: Ensolum

Checklist Completed by: EHS/DE

Client Project ID: Pace Connelly GU 1-2

Date/time completed: 3/29/23

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Airbill #: NA

Cooler Number/Temperature: 1 4.7 °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"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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.

Reviewed by (Project Manager) DE Date/Time Reviewed 03/29/2023

Origins Laboratory, Inc.

J. Bynon

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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

AST01@2'
3/29/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.66		0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3C2927	03/29/2023	03/29/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.579	0.0109	0.0500	mg/kg	25	B3C2932	03/29/2023	03/30/2023	
Ethylbenzene	2.43	0.00972	0.0500	"	"	"	"	"	
Gasoline Range Hydrocarbons	242	3.07	5.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.8 %		70-130			"	"	"	
Surrogate: Toluene-d8	113 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	154 %		70-130			"	"	"	S-GC

Table 915 metals by EPA 6020B

Arsenic	5.28		0.0845	mg/kg	10	B3C3018	03/30/2023	04/03/2023	
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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

AST01@2'

3/29/2023 3:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-01 (Soil)

Table 915 metals by EPA 6020B

Barium	108	8.45	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Cadmium	0.190	0.0845	"	"	"	"	"
Copper	13.7	8.45	"	"	"	"	"
Nickel	13.4	8.45	"	"	"	"	"
Selenium	0.229	0.0845	"	"	"	"	"

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

BASE02@8'
3/29/2023 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.596	0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	103	25.0	mg/kg	1	B3C2927	03/29/2023	03/29/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	83.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	36.2	0.109	0.500	mg/kg	250	B3C2932	03/29/2023	03/29/2023
1,3,5-Trimethylbenzene	0.0345	0.0102	0.0500	"	25	"	"	03/30/2023 R-05, Ja
Benzene	0.297	0.00955	0.0500	"	"	"	"	"
Ethylbenzene	6.13	0.00972	0.0500	"	"	"	"	"
Toluene	0.0350	0.0118	0.0500	"	"	"	"	" R-05, Ja
Xylenes, total	5.19	0.00415	0.0500	"	"	"	"	"
Gasoline Range Hydrocarbons	1280	30.7	50.0	"	250	"	"	03/29/2023

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	03/30/2023
Surrogate: Toluene-d8	132 %	70-130	"	"	" S-GC
Surrogate: 4-Bromofluorobenzene	182 %	70-130	"	"	" S-GC

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

BASE02@8'
3/29/2023 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-02 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.157	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023	
2-Methylnaphthalene	0.403	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.0147	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000523	0.000334	0.00067	"	"	"	"	"	J
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	0.0228	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.118	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.000932	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	55.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.7 %	29-110	"	"	"

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

BASE02@8'

3/29/2023 2:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	13.4	0.0848	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	109	8.48	"	"	"	"	"
Cadmium	0.498	0.0848	"	"	"	"	"
Copper	22.1	8.48	"	"	"	"	"
Nickel	27.3	8.48	"	"	"	"	"
Selenium	0.462	0.0848	"	"	"	"	"

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

SEP01 OUT-N01@8'
3/29/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.762		0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3C2927	03/29/2023	03/29/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	86.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00100	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/29/2023	Ja
1,3,5-Trimethylbenzene	ND	0.000408	0.00200	"	"	"	"	"	U
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.000389	0.00200	"	"	"	"	"	U
Toluene	ND	0.000472	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.000166	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.123	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %		70-130			"	"	"	
Surrogate: Toluene-d8	106 %		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

SEP01 OUT-N01@8'
3/29/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	88.0 %	70-130	B3C29 32	03/29/2023	03/29/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023
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	"	"	"	"	"
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	54.1 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	64.1 %		33-122			"	"	"

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

SEP01 OUT-N01@8'
3/29/2023 2:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-03 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	52 %	29-110	L6735 55	04/03/2023	04/04/2023
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Table 915 metals by EPA 6020B

Arsenic	5.00	0.0909	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	181	9.09	"	"	"	"	"
Cadmium	0.133	0.0909	"	"	"	"	"
Copper	11.7	9.09	"	"	"	"	"
Nickel	11.5	9.09	"	"	"	"	"
Selenium	0.120	0.0909	"	"	"	"	"

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

SEP01 OUT-S01@8'
3/29/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.316		0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3C2927	03/29/2023	03/29/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.5 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/29/2023	U
1,3,5-Trimethylbenzene	ND	0.000408	0.00200	"	"	"	"	"	U
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.000389	0.00200	"	"	"	"	"	U
Toluene	ND	0.000472	0.00200	"	"	"	"	"	U
Xylenes, total	0.000180	0.000166	0.00200	"	"	"	"	"	Ja
Gasoline Range Hydrocarbons	0.133	0.123	0.200	"	"	"	"	"	Ja

Surrogate: 1,2-Dichloroethane-d4	99.1 %		70-130			"	"	"	
Surrogate: Toluene-d8	112 %		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

SEP01 OUT-S01@8'
3/29/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	91.5 %	70-130	B3C29 32	03/29/2023	03/29/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023	
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	0.000314	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	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

SEP01 OUT-S01@8'
3/29/2023 2:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-04 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	58.4 %	33-115	L6735 55	04/03/2023	04/04/2023
Surrogate: 4-Terphenyl-d14	67 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.6 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.73	0.0893	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	103	8.93	"	"	"	"	"
Cadmium	0.205	0.0893	"	"	"	"	"
Copper	14.1	8.93	"	"	"	"	"
Nickel	12.1	8.93	"	"	"	"	"
Selenium	0.224	0.0893	"	"	"	"	"

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

SEP01 OUT-E01@8'
3/29/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.538	0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C2927	03/29/2023	03/30/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.2 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	16.7	0.109	0.500	mg/kg	250	B3C2932	03/29/2023	03/29/2023
1,3,5-Trimethylbenzene	0.109	0.0102	0.0500	"	25	"	"	03/30/2023
Benzene	0.130	0.00955	0.0500	"	"	"	"	"
Ethylbenzene	3.41	0.00972	0.0500	"	"	"	"	"
Toluene	0.0720	0.0118	0.0500	"	"	"	"	"
Xylenes, total	2.94	0.00415	0.0500	"	"	"	"	"
Gasoline Range Hydrocarbons	305	3.07	5.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130			"	"	"
Surrogate: Toluene-d8	119 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	142 %	70-130			"	"	" S-GC

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

SEP01 OUT-E01@8'
3/29/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-05 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.44	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023
2-Methylnaphthalene	1.04	0.00972	0.0101	"	5	"	"	"
Acenaphthene	0.0253	0.000304	0.00067	"	1	"	"	"
Anthracene	0.00104	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	0.0457	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.358	0.00145	0.00201	"	"	"	"	"
Pyrene	0.00124	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	65.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	47.7 %	29-110	"	"	"

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

SEP01 OUT-E01@8'
3/29/2023 2:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.49	0.0873	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	208	8.73	"	"	"	"	"
Cadmium	0.202	0.0873	"	"	"	"	"
Copper	13.8	8.73	"	"	"	"	"
Nickel	14.6	8.73	"	"	"	"	"
Selenium	0.150	0.0873	"	"	"	"	"

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

SEP01 OUT-W01@8'
3/29/2023 2:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.850		0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3C2927	03/29/2023	03/30/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.1 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0295	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/30/2023	
1,3,5-Trimethylbenzene	0.00548	0.000408	0.00200	"	"	"	"	"	
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00622	0.000389	0.00200	"	"	"	"	"	
Toluene	ND	0.000472	0.00200	"	"	"	"	"	U
Xylenes, total	0.0194	0.000166	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.456	0.123	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %		70-130			"	"	"	
Surrogate: Toluene-d8	109 %		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

SEP01 OUT-W01@8'
3/29/2023 2:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	84.2 %	70-130	B3C29 32	03/29/2023	03/30/2023
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PAH by 8270D SIM

1-Methylnaphthalene	0.00786	0.00109	0.00201	mg/Kg	1	L674189	04/05/2023	04/06/2023
2-Methylnaphthalene	0.0194	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.00129	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	0.00202	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00539	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	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

SEP01 OUT-W01@8'
3/29/2023 2:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-06 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	52.7 %	33-115	L6741 89	04/05/2023	04/06/2023
Surrogate: 4-Terphenyl-d14	61.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.9 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.39	0.0867	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	160	8.67	"	"	"	"	"
Cadmium	0.179	0.0867	"	"	"	"	"
Copper	13.1	8.67	"	"	"	"	"
Nickel	12.9	8.67	"	"	"	"	"
Selenium	0.195	0.0867	"	"	"	"	"

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

BASE 01@10'
3/29/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.756	0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C2927	03/29/2023	03/30/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.0 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	4.77	0.0109	0.0500	mg/kg	25	B3C2932	03/29/2023	03/30/2023	
1,3,5-Trimethylbenzene	0.705	0.0102	0.0500	"	"	"	"	"	
Benzene	ND	0.00955	0.0500	"	"	"	"	"	R-05, U
Ethylbenzene	1.13	0.00972	0.0500	"	"	"	"	"	
Toluene	ND	0.0118	0.0500	"	"	"	"	"	R-05, U
Xylenes, total	3.19	0.00415	0.0500	"	"	"	"	"	
Gasoline Range Hydrocarbons	214	3.07	5.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130	"	"	"
Surrogate: Toluene-d8	109 %	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

BASE 01@10'
3/29/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	104 %	70-130	B3C29 32	03/29/2023	03/30/2023
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PAH by 8270D SIM

1-Methylnaphthalene	0.122	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023
2-Methylnaphthalene	0.265	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.00876	0.000304	0.00067	"	"	"	"	"
Anthracene	0.000899	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	0.0224	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.0861	0.00145	0.00201	"	"	"	"	"
Pyrene	0.000698	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.4 %	33-115	"	"	"
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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

BASE 01@10'
3/29/2023 2:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-07 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	67.4 %	33-122	L6735 55	04/03/2023	04/04/2023
Surrogate: Nitrobenzene-d5	49.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.82	0.0844	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	123	8.44	"	"	"	"	"
Cadmium	0.138	0.0844	"	"	"	"	"
Copper	11.4	8.44	"	"	"	"	"
Nickel	11.9	8.44	"	"	"	"	"
Selenium	0.127	0.0844	"	"	"	"	"

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

PWV-E02@6'
3/29/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-08 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	673	25.0	mg/kg	1	B3C2927	03/29/2023	03/30/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	83.0 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	24.7	0.109	0.500	mg/kg	250	B3C2932	03/29/2023	03/30/2023
1,3,5-Trimethylbenzene	0.0400	0.0102	0.0500	"	25	"	"	03/30/2023 Ja
Benzene	0.195	0.00955	0.0500	"	"	"	"	"
Ethylbenzene	1.81	0.00972	0.0500	"	"	"	"	"
Toluene	0.0185	0.0118	0.0500	"	"	"	"	" Ja
Xylenes, total	1.57	0.00415	0.0500	"	"	"	"	"
Gasoline Range Hydrocarbons	250	3.07	5.00	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130	"	"	"
Surrogate: Toluene-d8	115 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	131 %	70-130	"	"	" S-GC

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

PWV-E02@6'

3/29/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-08 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.872	0.00549	0.0101	mg/Kg	5	L674189	04/05/2023	04/06/2023
2-Methylnaphthalene	2.51	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0826	0.00152	0.00335	"	"	"	"	"
Anthracene	0.00356	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	0.143	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.589	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	57.7 %	29-110	"	"	"

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

PWV-E02@6'

3/29/2023 3:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-08 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.29	0.0861	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	88.5	8.61	"	"	"	"	"
Cadmium	0.138	0.0861	"	"	"	"	"
Copper	11.4	8.61	"	"	"	"	"
Nickel	9.56	8.61	"	"	"	"	"
Selenium	0.212	0.0861	"	"	"	"	"

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

PWV-B01@7'
3/29/2023 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-09 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C2927	03/29/2023	03/30/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.6 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.000760	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/30/2023	Ja
1,3,5-Trimethylbenzene	ND	0.000408	0.00200	"	"	"	"	"	U
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.000389	0.00200	"	"	"	"	"	U
Toluene	ND	0.000472	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.000166	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.123	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.1 %	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

PWV-B01@7'

3/29/2023 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	114 %		70-130			B3C29 32	03/29/2023	03/30/2023	
Surrogate: 4-Bromofluorobenzene	89.8 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023	
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	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.000748	0.000643	0.00067	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	53.5 %		33-115			"	"	"	

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

PWV-B01@7'

3/29/2023 3:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-09 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	59.3 %	33-122	L6735 55	04/03/2023	04/04/2023
Surrogate: Nitrobenzene-d5	47.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.08	0.0960	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	58.4	9.60	"	"	"	"	"
Cadmium	ND	0.0960	"	"	"	"	"
Copper	ND	9.60	"	"	"	"	"
Nickel	ND	9.60	"	"	"	"	"
Selenium	0.0960	0.0960	"	"	"	"	"

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

PWV-W01@6'
3/29/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.982		0.100	mg/L	1	B3C3007	03/30/2023	04/03/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3C2927	03/29/2023	03/30/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.2 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00302	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/30/2023	
1,3,5-Trimethylbenzene	ND	0.000408	0.00200	"	"	"	"	"	U
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.000389	0.00200	"	"	"	"	"	U
Toluene	0.000600	0.000472	0.00200	"	"	"	"	"	Ja
Xylenes, total	0.000880	0.000166	0.00200	"	"	"	"	"	Ja
Gasoline Range Hydrocarbons	2.00	0.123	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.2 %		70-130			"	"	"	
Surrogate: Toluene-d8	117 %		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

PWV-W01@6'
3/29/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	98.0 %	70-130	B3C29 32	03/29/2023	03/30/2023
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PAH by 8270D SIM

1-Methylnaphthalene	0.0731	0.00109	0.00201	mg/Kg	1	L673555	04/03/2023	04/04/2023
2-Methylnaphthalene	0.108	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.0114	0.000304	0.00067	"	"	"	"	"
Anthracene	0.000698	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	0.000855	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	0.0249	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.012	0.00145	0.00201	"	"	"	"	"
Pyrene	0.00156	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52 %	33-115	"	"	"
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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

PWV-W01@6'

3/29/2023 3:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-10 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	71.4 %	33-122	L6735 55	04/03/2023	04/04/2023
Surrogate: Nitrobenzene-d5	53.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.80	0.0968	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	57.2	9.68	"	"	"	"	"
Cadmium	ND	0.0968	"	"	"	"	"
Copper	11.2	9.68	"	"	"	"	"
Nickel	ND	9.68	"	"	"	"	"
Selenium	0.103	0.0968	"	"	"	"	"

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

PWV-N01@6'
3/29/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.216	0.101	mg/L	1	B3C3008	03/30/2023	03/31/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C2918	03/29/2023	03/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.1 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/30/2023	U
1,3,5-Trimethylbenzene	ND	0.000408	0.00200	"	"	"	"	"	U
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.000389	0.00200	"	"	"	"	"	U
Toluene	ND	0.000472	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.000166	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.123	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.8 %	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

PWV-N01@6'
3/29/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.7 %		70-130			B3C29 32	03/29/2023	03/30/2023	
Surrogate: 4-Bromofluorobenzene	89.8 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L673638	04/03/2023	04/04/2023	
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	"	"	"	"	"	
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	55.6 %		33-115			"	"	"	

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

PWV-N01@6'

3/29/2023 3:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y303764-11 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	64.7 %	33-122	L6736 38	04/03/2023	04/04/2023
Surrogate: Nitrobenzene-d5	53.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.29	0.0990	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	123	9.90	"	"	"	"	"
Cadmium	0.170	0.0990	"	"	"	"	"
Copper	12.8	9.90	"	"	"	"	"
Nickel	12.3	9.90	"	"	"	"	"
Selenium	0.159	0.0990	"	"	"	"	"

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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

PWV-S01@6'
3/29/2023 3:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.505	0.0998	mg/L	1	B3C3008	03/30/2023	03/31/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3C2918	03/29/2023	03/29/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.5 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0363	0.000436	0.00200	mg/kg	1	B3C2932	03/29/2023	03/30/2023	
1,3,5-Trimethylbenzene	0.00806	0.000408	0.00200	"	"	"	"	"	
Benzene	ND	0.000382	0.00200	"	"	"	"	"	U
Ethylbenzene	0.000540	0.000389	0.00200	"	"	"	"	"	Ja
Toluene	ND	0.000472	0.00200	"	"	"	"	"	U
Xylenes, total	0.00164	0.000166	0.00200	"	"	"	"	"	Ja
Gasoline Range Hydrocarbons	0.380	0.123	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %	70-130	"	"	"	"
Surrogate: Toluene-d8	105 %	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

PWV-S01@6'
3/29/2023 3:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y303764-12 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 103 % 70-130 B3C29 32 03/29/2023 03/30/2023

PAH by 8270D SIM

1-Methylnaphthalene	0.0135	0.00109	0.00201	mg/Kg	1	L673638	04/03/2023	04/04/2023	
2-Methylnaphthalene	0.0216	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00325	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000465	0.000334	0.00067	"	"	"	"	"	J
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	0.00854	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	0.00281	0.00145	0.00201	"	"	"	"	"	
Pyrene	0.000763	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl 54.7 % 33-115 " " "

Origins Laboratory, Inc.

J. Bynon

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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

PWV-S01@6'

3/29/2023 3:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y303764-12 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	66.1 %	33-122	L6736 38	04/03/2023	04/04/2023
Surrogate: Nitrobenzene-d5	55.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.53	0.0987	mg/kg	10	B3C3018	03/30/2023	04/03/2023
Barium	78.2	9.87	"	"	"	"	"
Cadmium	ND	0.0987	"	"	"	"	"
Copper	11.3	9.87	"	"	"	"	"
Nickel	ND	9.87	"	"	"	"	"
Selenium	ND	0.0987	"	"	"	"	"

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

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 B3C2918 - EPA 3580										
Blank (B3C2918-BLK1)					Prepared: 03/29/2023 Analyzed: 03/29/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	19		"	24.9		76.6	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

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 B3C2918 - EPA 3580

LCS (B3C2918-BS1)

Prepared: 03/29/2023 Analyzed: 03/29/2023

Diesel (C10-C28)	804	50.0	mg/kg	1000		80.4	70-130			
Residual Range Organics (C28-C40)	792	200	"	1000		79.2	70-130			
Surrogate: o-Terphenyl	44		"	49.8		89.2	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

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 B3C2918 - EPA 3580

Matrix Spike (B3C2918-MS1)		Source: Y303685-01			Prepared: 03/29/2023 Analyzed: 03/29/2023					
Diesel (C10-C28)	800	50.0	mg/kg	1000	ND	80.0	70-130			
Residual Range Organics (C28-C40)	785	200	"	1000	ND	78.5	70-130			
Surrogate: o-Terphenyl	36		"	49.8		72.3	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


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 B3C2918 - EPA 3580

Matrix Spike Dup (B3C2918-MSD1)		Source: Y303685-01			Prepared: 03/29/2023 Analyzed: 03/29/2023					
Diesel (C10-C28)	807	50.0	mg/kg	1000	ND	80.7	70-130	0.792	35	
Residual Range Organics (C28-C40)	792	200	"	1000	ND	79.2	70-130	0.863	35	
Surrogate: o-Terphenyl	36		"	49.8		72.3	50-150			

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

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 B3C2927 - EPA 3580										
Blank (B3C2927-BLK1)					Prepared: 03/29/2023 Analyzed: 03/29/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		102	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

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 B3C2927 - EPA 3580

LCS (B3C2927-BS1)

Prepared: 03/29/2023 Analyzed: 03/29/2023

Diesel (C10-C28)	906	50.0	mg/kg	1000		90.6	70-130			
Residual Range Organics (C28-C40)	926	200	"	1000		92.6	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.2	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

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 B3C2927 - EPA 3580

Matrix Spike (B3C2927-MS1)		Source: Y303750-01			Prepared: 03/29/2023 Analyzed: 03/29/2023					
Diesel (C10-C28)	942	50.0	mg/kg	1000	ND	94.2	70-130			
Residual Range Organics (C28-C40)	931	200	"	1000	ND	93.1	70-130			
Surrogate: o-Terphenyl	47		"	49.8		93.7	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

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 B3C2927 - EPA 3580

Matrix Spike Dup (B3C2927-MSD1)		Source: Y303750-01			Prepared: 03/29/2023 Analyzed: 03/29/2023					
Diesel (C10-C28)	898	50.0	mg/kg	1000	ND	89.8	70-130	4.82	35	
Residual Range Organics (C28-C40)	896	200	"	1000	ND	89.6	70-130	3.89	35	
Surrogate: o-Terphenyl	47		"	49.8		93.8	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

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 B3C2932 - EPA 5030 (soil)										
Blank (B3C2932-BLK1)					Prepared: 03/29/2023 Analyzed: 03/29/2023					
1,2,4-Trimethylbenzene	0.000840	0.00200	mg/kg							Ja
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	0.000540	0.00200	"							Ja
Naphthalene	0.000940	0.00380	"							Ja
Toluene	ND	0.00200	"							U
Xylenes, total	0.00120	0.00200	"							Ja
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.4	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.2	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

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 B3C2932 - EPA 5030 (soil)

LCS (B3C2932-BS1)

Prepared: 03/29/2023 Analyzed: 03/29/2023

1,2,4-Trimethylbenzene	0.0932	0.00200	mg/kg	0.100		93.2	70-130			
1,3,5-Trimethylbenzene	0.0929	0.00200	"	0.100		92.9	70-130			
Benzene	0.0999	0.00200	"	0.100		99.9	70-130			
Ethylbenzene	0.0920	0.00200	"	0.100		92.0	70-130			
Naphthalene	0.0825	0.00380	"	0.100		82.5	70-130			
Toluene	0.0974	0.00200	"	0.100		97.4	70-130			
o-Xylene	0.0914	0.00200	"	0.100		91.4	70-130			
m,p-Xylene	0.185	0.00400	"	0.200		92.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.3	70-130			

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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

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
Batch B3C2932 - EPA 5030 (soil)										
LCS Dup (B3C2932-BSD1)					Prepared: 03/29/2023 Analyzed: 03/29/2023					
1,2,4-Trimethylbenzene	0.0893	0.00200	mg/kg	0.100		89.3	70-130	4.30	20	
1,3,5-Trimethylbenzene	0.0889	0.00200	"	0.100		88.9	70-130	4.44	20	
Benzene	0.0967	0.00200	"	0.100		96.7	70-130	3.28	20	
Ethylbenzene	0.0891	0.00200	"	0.100		89.1	70-130	3.22	20	
Naphthalene	0.0982	0.00380	"	0.100		98.2	70-130	17.4	20	
Toluene	0.0938	0.00200	"	0.100		93.8	70-130	3.79	20	
o-Xylene	0.0880	0.00200	"	0.100		88.0	70-130	3.83	20	
m,p-Xylene	0.179	0.00400	"	0.200		89.6	70-130	3.22	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.4	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	70-130			

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Project: KMG - Pace Connelly Gas Unit 1-26

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 B3C3018 - EPA 3050B

Blank (B3C3018-BLK1)

Prepared: 03/30/2023 Analyzed: 04/03/2023

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

LCS (B3C3018-BS1)

Prepared: 03/30/2023 Analyzed: 04/03/2023

Arsenic	0.0502	0.000100	mg/kg	0.0500	100	80-120
Barium	5.12	0.0100	"	5.00	102	80-120
Cadmium	0.0524	0.000100	"	0.0500	105	80-120
Copper	0.550	0.0100	"	0.500	110	80-120
Lead	0.0540	0.0100	"	0.0500	108	80-120
Nickel	0.0540	0.0100	"	0.0500	108	80-120
Selenium	0.0479	0.000100	"	0.0500	95.8	80-120
Silver	0.0570	0.000100	"	0.0500	114	80-120
Zinc	0.497	0.100	"	0.500	99.4	80-120

Matrix Spike (B3C3018-MS1)

Source: Y303763-02

Prepared: 03/30/2023 Analyzed: 04/03/2023

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

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 B3C3018 - EPA 3050B

Matrix Spike (B3C3018-MS1)		Source: Y303763-02			Prepared: 03/30/2023 Analyzed: 04/03/2023					
Arsenic	6.02	0.0875	mg/kg	4.38	1.45	104	75-125			
Barium	488	8.75	"	438	17.8	107	75-125			
Cadmium	4.68	0.0875	"	4.38	0.0392	106	75-125			
Copper	50.8	8.75	"	43.8	3.09	109	75-125			
Lead	7.87	8.75	"	4.38	4.04	87.5	75-125			
Nickel	7.39	8.75	"	4.38	2.27	117	75-125			
Selenium	4.26	0.0875	"	4.38	0.0588	96.0	75-125			
Silver	4.79	0.0875	"	4.38	0.0107	109	75-125			
Zinc	62.0	87.5	"	43.8	18.6	99.1	75-125			
Matrix Spike Dup (B3C3018-MSD1)		Source: Y303763-02			Prepared: 03/30/2023 Analyzed: 04/03/2023					
Arsenic	7.15	0.0939	mg/kg	4.69	1.45	121	75-125	17.0	20	
Barium	516	9.39	"	469	17.8	106	75-125	5.54	20	
Cadmium	5.04	0.0939	"	4.69	0.0392	106	75-125	7.42	20	
Copper	53.7	9.39	"	46.9	3.09	108	75-125	5.66	20	
Lead	7.70	9.39	"	4.69	4.04	78.1	75-125	2.12	20	
Nickel	7.16	9.39	"	4.69	2.27	104	75-125	3.21	20	
Selenium	4.50	0.0939	"	4.69	0.0588	94.6	75-125	5.50	20	
Silver	5.18	0.0939	"	4.69	0.0107	110	75-125	7.87	20	
Zinc	61.4	93.9	"	46.9	18.6	91.0	75-125	1.09	20	

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Ensolum
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Wheat Ridge CO 80033

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

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3C3007 - DTPA Sorbitol Preparation										
Blank (B3C3007-BLK1)					Prepared: 03/30/2023 Analyzed: 03/31/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3C3007-DUP1)					Source: Y303761-07 Prepared: 03/30/2023 Analyzed: 03/31/2023					
Boron	0.0336	0.100	mg/L		0.0332			1.20	50	
Batch B3C3008 - DTPA Sorbitol Preparation										
Blank (B3C3008-BLK1)					Prepared: 03/30/2023 Analyzed: 04/03/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3C3008-DUP1)					Source: Y303690-01 Prepared: 03/30/2023 Analyzed: 04/03/2023					
Boron	0.0339	0.0990	mg/L		0.0356			4.97	50	

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

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 L674189 - 3550B

MSD (L 92211-MSD-L674189)		Source: 92211			Prepared: 04/05/2023 Analyzed: 04/06/2023					
Benzo(a)pyrene	0.12	0.00067	mg/Kg	0.166	<0.000468	72.2	30-130	0.8	30	
Naphthalene	0.0933	0.00201	"	0.166	<0.00145	56.2	30-130	2.6	30	
Indeno(1,2,3-cd)pyrene	0.0824	0.00067	"	0.166	0.00114	48.9	30-130	11.4	30	
Fluorene	0.107	0.00067	"	0.166	<0.000286	64.4	30-130	0	30	
Fluoranthene	0.106	0.00067	"	0.166	<0.000394	63.8	30-130	1.8	30	
Dibenz(a,h)anthracene	0.125	0.00067	"	0.166	0.00127	74.5	30-130	4	30	
Chrysene	0.122	0.00067	"	0.166	<0.000624	73.4	30-130	0.8	30	
Pyrene	0.104	0.00067	"	0.166	<0.000643	62.6	30-130	0.9	30	
Benzo(b)fluoranthene	0.0669	0.00067	"	0.166	0.000793	39.8	30-130	5.8	30	
Benzo(a)anthracene	0.0983	0.00067	"	0.166	<0.000493	59.2	30-130	1	30	
Anthracene	0.116	0.00067	"	0.166	<0.000334	69.8	30-130	0.8	30	
Acenaphthene	0.0957	0.00067	"	0.166	<0.000304	57.6	30-130	1.2	30	
2-Methylnaphthalene	0.0902	0.00201	"	0.166	<0.00194	54.3	30-130	3.1	30	
1-Methylnaphthalene	0.0955	0.00201	"	0.166	<0.00109	57.5	30-130	4	30	
Benzo(k)fluoranthene	0.108	0.00067	"	0.166	0.000928	64.5	30-130	6.6	30	
Surrogate: Nitrobenzene-d5	53		"	0.332	153	53	29-110			
Surrogate: 4-Terphenyl-d14	61.7		"	0.332	186	61.7	33-122			
Surrogate: 2-Fluorobiphenyl	53.6		"	0.332	154	53.6	33-115			

MS (L 92211-MS-L674189)		Source: 92211			Prepared: 04/05/2023 Analyzed: 04/06/2023					
Fluoranthene	0.108	0.00067	mg/Kg	0.164	<0.000394	65.8	30-130			
Dibenz(a,h)anthracene	0.12	0.00067	"	0.164	0.00127	72.3	30-130			
Pyrene	0.105	0.00067	"	0.164	<0.000643	64	30-130			
Naphthalene	0.0958	0.00201	"	0.164	<0.00145	58.4	30-130			
Fluorene	0.107	0.00067	"	0.164	<0.000286	65.2	30-130			
1-Methylnaphthalene	0.0994	0.00201	"	0.164	<0.00109	60.6	30-130			
Benzo(b)fluoranthene	0.0631	0.00067	"	0.164	0.000793	37.9	30-130			

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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

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 L674189 - 3550B

MS (L 92211-MS-L674189)		Source: 92211			Prepared: 04/05/2023 Analyzed: 04/06/2023					
Indeno(1,2,3-cd)pyrene	0.0735	0.00067	mg/Kg	0.164	0.00114	44.1	30-130			
Benzo(k)fluoranthene	0.101	0.00067	"	0.164	0.000928	61	30-130			
2-Methylnaphthalene	0.0931	0.00201	"	0.164	<0.00194	56.7	30-130			
Benzo(a)pyrene	0.119	0.00067	"	0.164	<0.000468	72.5	30-130			
Benzo(a)anthracene	0.0973	0.00067	"	0.164	<0.000493	59.3	30-130			
Anthracene	0.115	0.00067	"	0.164	<0.000334	70.1	30-130			
Acenaphthene	0.0969	0.00067	"	0.164	<0.000304	59	30-130			
Chrysene	0.121	0.00067	"	0.164	<0.000624	73.7	30-130			
Surrogate: Nitrobenzene-d5	52.5		"	0.329	153	52.5	29-110			
Surrogate: 2-Fluorobiphenyl	53.7		"	0.329	154	53.7	33-115			
Surrogate: 4-Terphenyl-d14	62.6		"	0.329	186	62.6	33-122			

LCS (LCS-L674189)		Prepared: 04/05/2023 Analyzed: 04/06/2023								
1-Methylnaphthalene	0.11	0.00201	mg/Kg	0.167		65.8	30-130			
Benzo(a)anthracene	0.111	0.00067	"	0.167		66.4	30-130			
Naphthalene	0.106	0.00201	"	0.167		63.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0872	0.00067	"	0.167		52.2	30-130			
Fluorene	0.125	0.00067	"	0.167		74.8	30-130			
Fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Dibenz(a,h)anthracene	0.127	0.00067	"	0.167		76	30-130			
Benzo(b)fluoranthene	0.075	0.00067	"	0.167		44.9	30-130			
Chrysene	0.132	0.00067	"	0.167		79	30-130			
Acenaphthene	0.109	0.00067	"	0.167		65.2	30-130			
Benzo(k)fluoranthene	0.0913	0.00067	"	0.167		54.6	30-130			
Benzo(a)pyrene	0.133	0.00067	"	0.167		79.6	30-130			
Pyrene	0.115	0.00067	"	0.167		68.8	30-130			
Anthracene	0.133	0.00067	"	0.167		79.6	30-130			

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Project: KMG - Pace Connelly Gas Unit 1-26

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 L674189 - 3550B

LCS (LCS-L674189)

Prepared: 04/05/2023 Analyzed: 04/06/2023

2-Methylnaphthalene	0.103	0.00201	mg/Kg	0.167		61.6	30-130			
Surrogate: Nitrobenzene-d5	60.9		"	0.333		60.9	29-110			
Surrogate: 2-Fluorobiphenyl	64.2		"	0.333		64.2	33-115			
Surrogate: 4-Terphenyl-d14	69.9		"	0.333		69.9	33-122			

LRB (LRB-L674189)

Prepared: 04/05/2023 Analyzed: 04/06/2023

Benzo(b)fluoranthene	ND	0.00067	mg/Kg				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	59.1		"	0.333		59.1	29-110			
Surrogate: 4-Terphenyl-d14	71.1		"	0.333		71.1	33-122			
Surrogate: 2-Fluorobiphenyl	63		"	0.333		63	33-115			

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Project: KMG - Pace Connelly Gas Unit 1-26

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 L673638 - 3550B

MSD (L 91222-MSD-L673638)		Source: 91222			Prepared: 04/03/2023 Analyzed: 04/04/2023					
Benzo(a)anthracene	0.122	0.00067	mg/Kg	0.167	<0.000493	73	30-130	5.9	30	
1-Methylnaphthalene	0.12	0.00201	"	0.167	<0.00109	71.8	30-130	12.3	30	
2-Methylnaphthalene	0.119	0.00201	"	0.167	<0.00194	71.2	30-130	11.5	30	
Anthracene	0.131	0.00067	"	0.167	<0.000334	78.4	30-130	7.1	30	
Benzo(a)pyrene	0.115	0.00067	"	0.167	<0.000468	68.8	30-130	5.3	30	
Benzo(b)fluoranthene	0.0735	0.00067	"	0.167	<0.000585	44	30-130	5.7	30	
Benzo(k)fluoranthene	0.119	0.00067	"	0.167	<0.000437	71.2	30-130	4.2	30	
Chrysene	0.121	0.00067	"	0.167	<0.000624	72.4	30-130	5.9	30	
Dibenz(a,h)anthracene	0.143	0.00067	"	0.167	<0.000614	85.6	30-130	5	30	
Fluoranthene	0.134	0.00067	"	0.167	<0.000394	80.2	30-130	6.1	30	
Fluorene	0.129	0.00067	"	0.167	<0.000286	77.2	30-130	8	30	
Indeno(1,2,3-cd)pyrene	0.117	0.00067	"	0.167	<0.000627	70	30-130	3.4	30	
Naphthalene	0.111	0.00201	"	0.167	<0.00145	66.4	30-130	10.4	30	
Pyrene	0.133	0.00067	"	0.167	<0.000643	79.6	30-130	5.4	30	
Acenaphthene	0.118	0.00067	"	0.167	<0.000304	70.6	30-130	9.7	30	
Surrogate: 2-Fluorobiphenyl	67.5		"	0.333	206	67.5	33-115			
Surrogate: 4-Terphenyl-d14	73.8		"	0.333	228	73.8	33-122			
Surrogate: Nitrobenzene-d5	58.2		"	0.333	183	58.2	29-110			

MS (L 91222-MS-L673638)		Source: 91222			Prepared: 04/03/2023 Analyzed: 04/04/2023					
Benzo(a)anthracene	0.115	0.00067	mg/Kg	0.164	<0.000493	70.1	30-130			
Dibenz(a,h)anthracene	0.136	0.00067	"	0.164	<0.000614	82.9	30-130			
2-Methylnaphthalene	0.106	0.00201	"	0.164	<0.00194	64.6	30-130			
Anthracene	0.122	0.00067	"	0.164	<0.000334	74.3	30-130			
Benzo(a)pyrene	0.109	0.00067	"	0.164	<0.000468	66.4	30-130			
1-Methylnaphthalene	0.106	0.00201	"	0.164	<0.00109	64.6	30-130			
Benzo(k)fluoranthene	0.114	0.00067	"	0.164	<0.000437	69.5	30-130			

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Wheat Ridge CO 80033

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

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 L673638 - 3550B

MS (L 91222-MS-L673638)		Source: 91222			Prepared: 04/03/2023 Analyzed: 04/04/2023					
Chrysene	0.114	0.00067	mg/Kg	0.164	<0.000624	69.5	30-130			
Fluorene	0.119	0.00067	"	0.164	<0.000286	72.5	30-130			
Indeno(1,2,3-cd)pyrene	0.113	0.00067	"	0.164	<0.000627	68.9	30-130			
Naphthalene	0.1	0.00201	"	0.164	<0.00145	60.9	30-130			
Pyrene	0.126	0.00067	"	0.164	<0.000643	76.8	30-130			
Acenaphthene	0.107	0.00067	"	0.164	<0.000304	65.2	30-130			
Benzo(b)fluoranthene	0.0694	0.00067	"	0.164	<0.000585	42.3	30-130			
Fluoranthene	0.126	0.00067	"	0.164	<0.000394	76.8	30-130			
Surrogate: 2-Fluorobiphenyl	62.1		"	0.328	206	62.1	33-115			
Surrogate: 4-Terphenyl-d14	72.2		"	0.328	228	72.2	33-122			
Surrogate: Nitrobenzene-d5	54.8		"	0.328	183	54.8	29-110			

LCS (LCS-L673638)		Prepared: 04/03/2023 Analyzed: 04/04/2023								
1-Methylnaphthalene	0.112	0.00201	mg/Kg	0.167		67	30-130			
2-Methylnaphthalene	0.112	0.00201	"	0.167		67	30-130			
Acenaphthene	0.109	0.00067	"	0.167		65.2	30-130			
Anthracene	0.13	0.00067	"	0.167		77.8	30-130			
Benzo(a)anthracene	0.121	0.00067	"	0.167		72.4	30-130			
Benzo(a)pyrene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(b)fluoranthene	0.0831	0.00067	"	0.167		49.7	30-130			
Benzo(k)fluoranthene	0.133	0.00067	"	0.167		79.6	30-130			
Chrysene	0.119	0.00067	"	0.167		71.2	30-130			
Pyrene	0.133	0.00067	"	0.167		79.6	30-130			
Naphthalene	0.107	0.00201	"	0.167		64	30-130			
Indeno(1,2,3-cd)pyrene	0.119	0.00067	"	0.167		71.2	30-130			
Fluorene	0.122	0.00067	"	0.167		73	30-130			
Fluoranthene	0.132	0.00067	"	0.167		79	30-130			

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

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 L673638 - 3550B

LCS (LCS-L673638)

Prepared: 04/03/2023 Analyzed: 04/04/2023

Dibenz(a,h)anthracene	0.149	0.00067	mg/Kg	0.167		89.2	30-130			
Surrogate: 4-Terphenyl-d14	83.7		"	0.333		83.7	33-122			
Surrogate: Nitrobenzene-d5	60.9		"	0.333		60.9	29-110			
Surrogate: 2-Fluorobiphenyl	68.4		"	0.333		68.4	33-115			

LRB (LRB-L673638)

Prepared: 04/03/2023 Analyzed: 04/04/2023

Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Surrogate: 2-Fluorobiphenyl	63.9		"	0.333		63.9	33-115			
Surrogate: 4-Terphenyl-d14	71.7		"	0.333		71.7	33-122			
Surrogate: Nitrobenzene-d5	56.4		"	0.333		56.4	29-110			

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

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 L673555 - 3550B

MSD (L 90839-MSD-L673555)		Source: 90839			Prepared: 04/03/2023 Analyzed: 04/04/2023					
1-Methylnaphthalene	0.0923	0.00201	mg/Kg	0.166	0.00381	53.3	30-130	12.9	30	
Fluorene	0.104	0.00067	"	0.166	0.00511	59.5	30-130	10.5	30	
Indeno(1,2,3-cd)pyrene	0.103	0.00067	"	0.166	<0.000627	62	30-130	6.3	30	
Naphthalene	0.0869	0.00201	"	0.166	<0.00145	52.3	30-130	15.4	30	
Pyrene	0.122	0.00067	"	0.166	0.000975	72.9	30-130	11.2	30	
2-Methylnaphthalene	0.092	0.00201	"	0.166	0.00564	52	30-130	12.7	30	
Fluoranthene	0.122	0.00067	"	0.166	<0.000394	73.4	30-130	10.3	30	
Acenaphthene	0.0948	0.00067	"	0.166	0.00234	55.6	30-130	11.8	30	
Anthracene	0.11	0.00067	"	0.166	<0.000334	66.2	30-130	11.8	30	
Benzo(a)anthracene	0.113	0.00067	"	0.166	<0.000493	68	30-130	12.6	30	
Benzo(a)pyrene	0.11	0.00067	"	0.166	<0.000468	66.2	30-130	8.5	30	
Benzo(b)fluoranthene	0.0727	0.00067	"	0.166	<0.000585	43.7	30-130	4.8	30	
Benzo(k)fluoranthene	0.102	0.00067	"	0.166	<0.000437	61.4	30-130	12.6	30	
Chrysene	0.113	0.00067	"	0.166	0.000848	67.5	30-130	12.2	30	
Dibenz(a,h)anthracene	0.125	0.00067	"	0.166	<0.000614	75.3	30-130	5.7	30	
Surrogate: 4-Terphenyl-d14	65.9		"	0.332	229	65.9	33-122			
Surrogate: Nitrobenzene-d5	46		"	0.332	168	46	29-110			
Surrogate: 2-Fluorobiphenyl	52.1		"	0.332	189	52.1	33-115			

MS (L 90839-MS-L673555)		Source: 90839			Prepared: 04/03/2023 Analyzed: 04/04/2023					
Fluoranthene	0.11	0.00067	mg/Kg	0.162	<0.000394	67.9	30-130			
Chrysene	0.1	0.00067	"	0.162	0.000848	61.2	30-130			
Dibenz(a,h)anthracene	0.118	0.00067	"	0.162	<0.000614	72.8	30-130			
Benzo(k)fluoranthene	0.0899	0.00067	"	0.162	<0.000437	55.4	30-130			
Benzo(a)anthracene	0.0996	0.00067	"	0.162	<0.000493	61.4	30-130			
Anthracene	0.0977	0.00067	"	0.162	<0.000334	60.3	30-130			
Acenaphthene	0.0842	0.00067	"	0.162	0.00234	50.5	30-130			

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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

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 L673555 - 3550B

MS (L 90839-MS-L673555)		Source: 90839			Prepared: 04/03/2023 Analyzed: 04/04/2023					
2-Methylnaphthalene	0.081	0.00201	mg/Kg	0.162	0.00564	46.5	30-130			
Fluorene	0.0936	0.00067	"	0.162	0.00511	54.6	30-130			
1-Methylnaphthalene	0.0811	0.00201	"	0.162	0.00381	47.7	30-130			
Benzo(b)fluoranthene	0.0763	0.00067	"	0.162	<0.000585	47	30-130			
Benzo(a)pyrene	0.101	0.00067	"	0.162	<0.000468	62.3	30-130			
Pyrene	0.109	0.00067	"	0.162	0.000975	66.6	30-130			
Naphthalene	0.0744	0.00201	"	0.162	<0.00145	45.9	30-130			
Indeno(1,2,3-cd)pyrene	0.0967	0.00067	"	0.162	<0.000627	59.6	30-130			
Surrogate: 4-Terphenyl-d14	63		"	0.325	229	63	33-122			
Surrogate: Nitrobenzene-d5	40.6		"	0.325	168	40.6	29-110			
Surrogate: 2-Fluorobiphenyl	48		"	0.325	189	48	33-115			

LCS (LCS-L673555)		Prepared: 04/03/2023 Analyzed: 04/04/2023								
Benzo(k)fluoranthene	0.116	0.00067	mg/Kg	0.167		69.4	30-130			
Benzo(a)anthracene	0.122	0.00067	"	0.167		73	30-130			
Naphthalene	0.109	0.00201	"	0.167		65.2	30-130			
Indeno(1,2,3-cd)pyrene	0.116	0.00067	"	0.167		69.4	30-130			
Fluorene	0.127	0.00067	"	0.167		76	30-130			
Fluoranthene	0.131	0.00067	"	0.167		78.4	30-130			
Chrysene	0.117	0.00067	"	0.167		70	30-130			
Dibenz(a,h)anthracene	0.141	0.00067	"	0.167		84.4	30-130			
Benzo(a)pyrene	0.121	0.00067	"	0.167		72.4	30-130			
Pyrene	0.131	0.00067	"	0.167		78.4	30-130			
Anthracene	0.13	0.00067	"	0.167		77.8	30-130			
Acenaphthene	0.115	0.00067	"	0.167		68.8	30-130			
2-Methylnaphthalene	0.115	0.00201	"	0.167		68.8	30-130			
1-Methylnaphthalene	0.115	0.00201	"	0.167		68.8	30-130			

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

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 L673555 - 3550B

LCS (LCS-L673555)

Prepared: 04/03/2023 Analyzed: 04/04/2023

Benzo(b)fluoranthene	0.0881	0.00067	mg/Kg	0.167		52.7	30-130			
Surrogate: Nitrobenzene-d5	63		"	0.333		63	29-110			
Surrogate: 4-Terphenyl-d14	79.8		"	0.333		79.8	33-122			
Surrogate: 2-Fluorobiphenyl	70.5		"	0.333		70.5	33-115			

LRB (LRB-L673555)

Prepared: 04/03/2023 Analyzed: 04/04/2023

Dibenz(a,h)anthracene	ND	0.00067	mg/Kg				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Chrysene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	70.8		"	0.333		70.8	33-122			
Surrogate: 2-Fluorobiphenyl	66.3		"	0.333		66.3	33-115			
Surrogate: Nitrobenzene-d5	61.5		"	0.333		61.5	29-110			

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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


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.
- R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- Ja Sample result was found between MDL and RL
- 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.

Origins Laboratory, Inc.



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

April 25, 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. April 17, 2023. This project is associated with Origins project number Y304373-01.

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
PWV-B02@10'	Y304373-01	Soil	April 17, 2023 11:00	04/17/2023 16:03
PWV-B03@10'	Y304373-02	Soil	April 17, 2023 11:05	04/17/2023 16:03
PWV-B04@10'	Y304373-03	Soil	April 17, 2023 11:10	04/17/2023 16:03
PWV-B05@10'	Y304373-04	Soil	April 17, 2023 11:15	04/17/2023 16:03
PWV-B06@10'	Y304373-05	Soil	April 17, 2023 11:20	04/17/2023 16:03
PWV-N02@8'	Y304373-06	Soil	April 17, 2023 11:25	04/17/2023 16:03
PWV-N03@8'	Y304373-07	Soil	April 17, 2023 11:30	04/17/2023 16:03
PWV-N04@8'	Y304373-08	Soil	April 17, 2023 11:40	04/17/2023 16:03
PWV-N05@8'	Y304373-09	Soil	April 17, 2023 11:45	04/17/2023 16:03
PWV-W01@8'	Y304373-10	Soil	April 17, 2023 11:50	04/17/2023 16:03
PWV-W02@8'	Y304373-11	Soil	April 17, 2023 11:55	04/17/2023 16:03
PWV-W03@8'	Y304373-12	Soil	April 17, 2023 12:00	04/17/2023 16:03
PWV-W04@8'	Y304373-13	Soil	April 17, 2023 12:05	04/17/2023 16:03
PWV-S01@8'	Y304373-14	Soil	April 17, 2023 12:10	04/17/2023 16:03

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PWV-S02@8'	Y304373-15	Soil	April 17, 2023 12:15	04/17/2023 16:03
PWV-S03@8'	Y304373-16	Soil	April 17, 2023 12:20	04/17/2023 16:03
PWV-S04@8'	Y304373-17	Soil	April 17, 2023 12:25	04/17/2023 16:03
PWV-E01@8'	Y304373-18	Soil	April 17, 2023 12:30	04/17/2023 16:03
PWV-E02@8'	Y304373-19	Soil	April 17, 2023 12:35	04/17/2023 16:03
PWV-E03@8'	Y304373-20	Soil	April 17, 2023 12:40	04/17/2023 16:03
GW01	Y304373-21	Water	April 17, 2023 8:50	04/17/2023 16:03
GW02	Y304373-22	Water	April 17, 2023 9:00	04/17/2023 16:03

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

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

ORIGINS
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www.originslaboratory.com

Client: Ensolum LLC

Project Manager: Jeremy Espinoza

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

Telephone Number:
Project Number: 09A1417237

Email Address: KMG Team

Samples Collected By: Glenn Thompson

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Full Table 915-1	BTEXN	1,2,4/1,3,5-TMB	TPH-GRO/DRO/ARO	EC/pH/SAR/Boron (SP)	915 PAHS Boron, Arsenic, Barium, Cadmium, Copper, Lead, Nickel, Selenium	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other							
PW-802-10'	4/11/13	1100	3	X				X	X	X			X	
PW-803-10'		1105						X	X	X			X	
PW-804-10'		1110						X	X	X			X	
PW-805-10'		1115						X	X	X			X	
PW-806-10'		1120						X	X	X			X	
PW-807-10'		1125						X	X	X			X	
PW-808-10'		1130						X	X	X			X	
PW-809-10'		1135						X	X	X			X	
PW-810-10'		1140						X	X	X			X	
PW-811-10'		1145						X	X	X			X	
PW-812-10'		1150						X	X	X			X	

Relinquished By:
Received By: CHS

Date: 4/11/13 Date: 4/11/13

Time: 1003 Time: 1603

Turnaround Time:
Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐

Date Results Needed

Origins Laboratory, Inc.

Jen Pellegrini

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.

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

Phone: 303.433.1322 Fax: 303.265.9645

ORIGINS
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www.originslab.com

Client: Ensolum LLC

Address: _____

Telephone Number: _____

Email Address: KMG Team

Project Manager: Jeremy Espinoza

Project Name: Pace Connelly GAS UNIT

Project Number: 09A1417237

Samples Collected By: J. Thompson

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Full Table 915-1	BTEXN	1,2,4/1,3,5-TMB	TPH-GRO/DRO/RO	EC/PH/SAR/Boron (SP)	9/15 PAHs Barium, Arsenic, Cadmium, Copper, Lead, Nickel, Selenium	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater								
PWV-W02-8'	4/17/23	1155	3	X					X	X	X	X	X	X		1
PWV-W03-8'		1200														2
PWV-W04-8'		1205														3
PWV-S01-8'		1210														4
PWV-S02-8'		1215														5
PWV-S03-8'		1220														6
PWV-S04-8'		1225														7
PWV-E01-8'		1230														8
PWV-E02-8'		1235														9
PWV-E03-8'		1240														10
PWV-E04-8'		1245														
PWV-E05-8'		1250														
PWV-E06-8'		1255														
PWV-E07-8'		1300														
PWV-E08-8'		1305														
PWV-E09-8'		1310														
PWV-E10-8'		1315														
PWV-E11-8'		1320														
PWV-E12-8'		1325														
PWV-E13-8'		1330														
PWV-E14-8'		1335														
PWV-E15-8'		1340														
PWV-E16-8'		1345														
PWV-E17-8'		1350														
PWV-E18-8'		1355														
PWV-E19-8'		1400														
PWV-E20-8'		1405														
PWV-E21-8'		1410														
PWV-E22-8'		1415														
PWV-E23-8'		1420														
PWV-E24-8'		1425														
PWV-E25-8'		1430														
PWV-E26-8'		1435														
PWV-E27-8'		1440														
PWV-E28-8'		1445														
PWV-E29-8'		1450														
PWV-E30-8'		1455														
PWV-E31-8'		1500														
PWV-E32-8'		1505														
PWV-E33-8'		1510														
PWV-E34-8'		1515														
PWV-E35-8'		1520														
PWV-E36-8'		1525														
PWV-E37-8'		1530														
PWV-E38-8'		1535														
PWV-E39-8'		1540														
PWV-E40-8'		1545														
PWV-E41-8'		1550														
PWV-E42-8'		1555														
PWV-E43-8'		1600														
PWV-E44-8'		1605														
PWV-E45-8'		1610														
PWV-E46-8'		1615														
PWV-E47-8'		1620														
PWV-E48-8'		1625														
PWV-E49-8'		1630														
PWV-E50-8'		1635														
PWV-E51-8'		1640														
PWV-E52-8'		1645														
PWV-E53-8'		1650														
PWV-E54-8'		1655														
PWV-E55-8'		1700														
PWV-E56-8'		1705														
PWV-E57-8'		1710														
PWV-E58-8'		1715														
PWV-E59-8'		1720														
PWV-E60-8'		1725														
PWV-E61-8'		1730														
PWV-E62-8'		1735														
PWV-E63-8'		1740														
PWV-E64-8'		1745														
PWV-E65-8'		1750														
PWV-E66-8'		1755														
PWV-E67-8'		1800														
PWV-E68-8'		1805														
PWV-E69-8'		1810														
PWV-E70-8'		1815														
PWV-E71-8'		1820														
PWV-E72-8'		1825														
PWV-E73-8'		1830														
PWV-E74-8'		1835														
PWV-E75-8'		1840														
PWV-E76-8'		1845														
PWV-E77-8'		1850														
PWV-E78-8'		1855														
PWV-E79-8'		1900														
PWV-E80-8'		1905														
PWV-E81-8'		1910														
PWV-E82-8'		1915														
PWV-E83-8'		1920														
PWV-E84-8'		1925														
PWV-E85-8'		1930														
PWV-E86-8'		1935														
PWV-E87-8'		1940														
PWV-E88-8'		1945														
PWV-E89-8'		1950														
PWV-E90-8'		1955														
PWV-E91-8'		2000														
PWV-E92-8'		2005														
PWV-E93-8'		2010														
PWV-E94-8'		2015														
PWV-E95-8'		2020														
PWV-E96-8'		2025														
PWV-E97-8'		2030														
PWV-E98-8'		2035														
PWV-E99-8'		2040														
PWV-E100-8'		2045														

Relinquished By: _____ Date: 4/17/23 Time: 1603

Received By: EHS Date: 4/17/23 Time: 1603

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐

Origins Laboratory, Inc.

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: 4304373

Client: Ensolum

Client Project ID: Pace Connelly GU 1-26

Checklist Completed by: EHS/DM

Shipped Via: HD OSA

Date/time completed: 4/17/23

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

Airbill #: NA

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

Cooler Number/Temperature: 1 / 16 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			/	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			/	
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		/		
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)			/	
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.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 4/17/23

Origins Laboratory, Inc.

[Signature]

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-B02@10'

4/17/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.510	0.101	mg/L	1	B3D1804	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.9 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	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	103 %	70-130			"	"	"
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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

PWV-B02@10'

4/17/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	102 %		70-130			B3D17 18	04/17/2023	04/17/2023	
Surrogate: 4-Bromofluorobenzene	90.5 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677261	04/20/2023	04/20/2023	
2-Methylnaphthalene	0.00205	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	"	"	"	"	"	
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	50.5 %		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-B02@10'

4/17/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-01 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	58.9 %	33-122	L6772 61	04/20/2023	04/20/2023
Surrogate: Nitrobenzene-d5	47.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.55	0.0954	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	139	9.54	"	"	"	"	"
Cadmium	0.108	0.0954	"	"	"	"	"
Copper	11.3	9.54	"	"	"	"	"
Lead	10.3	9.54	"	"	"	"	"
Nickel	12.8	9.54	"	"	"	"	"
Selenium	0.153	0.0954	"	"	"	"	"

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-B03@10'

4/17/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.871	0.102	mg/L	1	B3D1804	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.6 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	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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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-B03@10'

4/17/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %		70-130			B3D17 18	04/17/2023	04/17/2023	
Surrogate: 4-Bromofluorobenzene	92.6 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677261	04/20/2023	04/20/2023	
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	"	"	"	"	"	
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	41.2 %		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-B03@10'

4/17/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-02 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	52.9 %	33-122	L6772 61	04/20/2023	04/20/2023
Surrogate: Nitrobenzene-d5	39.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.83	0.0883	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	61.0	8.83	"	"	"	"	"
Cadmium	0.151	0.0883	"	"	"	"	"
Copper	10.6	8.83	"	"	"	"	"
Lead	9.28	8.83	"	"	"	"	"
Nickel	11.5	8.83	"	"	"	"	"
Selenium	0.140	0.0883	"	"	"	"	"

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-B04@10'

4/17/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.843	0.0981	mg/L	1	B3D1804	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	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	104 %	70-130	"	"	"
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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

PWV-B04@10'

4/17/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.8 %		70-130			B3D17 18	04/17/2023	04/17/2023	
Surrogate: 4-Bromofluorobenzene	92.6 %		70-130			"	"	"	

PAH by 8270D_SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023	
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	"	"	"	"	"	
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	55.1 %		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-B04@10'

4/17/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-03 (Soil)

PAH by 8270D_SIM

Surrogate: 4-Terphenyl-d14	63.1 %	33-122	L6776 15	04/21/2023	04/24/2023
Surrogate: Nitrobenzene-d5	54.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	9.06	0.0993	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	187	9.93	"	"	"	"	"
Cadmium	0.228	0.0993	"	"	"	"	"
Copper	14.6	9.93	"	"	"	"	"
Lead	11.9	9.93	"	"	"	"	"
Nickel	14.2	9.93	"	"	"	"	"
Selenium	0.345	0.0993	"	"	"	"	"

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-B05@10'

4/17/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.638	0.0989	mg/L	1	B3D1804	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00234	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.3 %	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-B05@10'

4/17/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	93.5 %	70-130	B3D17 18	04/17/2023	04/17/2023
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PAH by 8270D_SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
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	"	"	"	"	"
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	48 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	57.1 %		33-122			"	"	"

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-B05@10'

4/17/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-04 (Soil)

PAH by 8270D_SIM

Surrogate: Nitrobenzene-d5	50.8 %	29-110	L6776 15	04/21/2023	04/24/2023
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Table 915 metals by EPA 6020B

Arsenic	20.0	0.0922	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	121	9.22	"	"	"	"	"
Cadmium	0.275	0.0922	"	"	"	"	"
Copper	22.0	9.22	"	"	"	"	"
Lead	12.5	9.22	"	"	"	"	"
Nickel	18.4	9.22	"	"	"	"	"
Selenium	0.480	0.0922	"	"	"	"	"

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-B06@10'

4/17/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.472	0.100	mg/L	1	B3D1804	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	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	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00226	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"
Surrogate: Toluene-d8	98.9 %	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-B06@10'

4/17/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	93.5 %	70-130	B3D17 18	04/17/2023	04/17/2023
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PAH by 8270D_SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677615	04/21/2023	04/24/2023
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	"	"	"	"	"
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	45.1 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	54.3 %		33-122			"	"	"

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-B06@10'

4/17/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-05 (Soil)

PAH by 8270D_SIM

Surrogate: Nitrobenzene-d5	46.9 %	29-110	L6776 15	04/21/2023	04/24/2023
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Table 915 metals by EPA 6020B

Arsenic	4.93	0.0867	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	110	8.67	"	"	"	"	"	
Cadmium	0.190	0.0867	"	"	"	"	"	
Copper	11.2	8.67	"	"	"	"	"	
Lead	ND	8.67	"	"	"	"	"	U
Nickel	13.7	8.67	"	"	"	"	"	
Selenium	0.155	0.0867	"	"	"	"	"	

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-N02@8'

4/17/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.571	0.0984	mg/L	1	B3D1804	04/18/2023	04/19/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	654	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	80.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	19.0	0.500	mg/kg	250	B3D1718	04/17/2023	04/17/2023
1,3,5-Trimethylbenzene	12.7	0.500	"	"	"	"	"
Benzene	0.760	0.500	"	"	"	"	"
Ethylbenzene	8.29	0.500	"	"	"	"	"
Toluene	0.164	0.0500	"	25	"	"	04/18/2023
Xylenes, total	19.2	0.500	"	250	"	"	"
Gasoline Range Hydrocarbons	1510	50.0	"	"	"	"	04/17/2023

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130	"	"	"
Surrogate: Toluene-d8	99.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	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-N02@8'

4/17/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-06 (Soil)

PAH by 8270D_SIM

1-Methylnaphthalene	0.98	0.00549	0.0101	mg/Kg	5	L677615	04/21/2023	04/24/2023
2-Methylnaphthalene	2.37	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0579	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	0.0838	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.879	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	69.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	72.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	59.2 %	29-110	"	"	"

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-N02@8'

4/17/2023 11:25:00AM

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

Y304373-06 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.72	0.0860	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	111	8.60	"	"	"	"	"
Cadmium	0.128	0.0860	"	"	"	"	"
Copper	12.0	8.60	"	"	"	"	"
Lead	8.95	8.60	"	"	"	"	"
Nickel	12.1	8.60	"	"	"	"	"
Selenium	0.116	0.0860	"	"	"	"	"

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-N03@8'

4/17/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.421		0.0982	mg/L	1	B3D1804	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	481		25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	80.3 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	25.6		0.500	mg/kg	250	B3D1718	04/17/2023	04/18/2023	
1,3,5-Trimethylbenzene	9.09		0.0500	"	25	"	"	04/17/2023	
Benzene	0.0955		0.0500	"	"	"	"	"	
Ethylbenzene	2.83		0.0500	"	"	"	"	"	
Toluene	0.0148		0.00200	"	1	"	"	04/18/2023	
Xylenes, total	75.2		0.00200	"	"	"	"	04/18/2023	
Gasoline Range Hydrocarbons	993		50.0	"	250	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	04/17/2023	
Surrogate: Toluene-d8	103 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	118 %		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

PWV-N03@8'

4/17/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-07 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.499	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023
2-Methylnaphthalene	1.09	0.00972	0.0101	"	5	"	"	"
Acenaphthene	0.0235	0.000304	0.00067	"	1	"	"	"
Anthracene	0.000701	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	0.041	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.317	0.00145	0.00201	"	"	"	"	"
Pyrene	0.00101	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	65.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	62.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	39.9 %	29-110	"	"	"

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-N03@8'

4/17/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	10.8	0.0916	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	136	9.16	"	"	"	"	"
Cadmium	0.216	0.0916	"	"	"	"	"
Copper	15.5	9.16	"	"	"	"	"
Lead	13.5	9.16	"	"	"	"	"
Nickel	12.0	9.16	"	"	"	"	"
Selenium	0.468	0.0916	"	"	"	"	"

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-N04@8'

4/17/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.748	0.101	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	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	0.00302	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	0.00236	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130			"	"	"	
Surrogate: Toluene-d8	97.0 %	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

PWV-N04@8'

4/17/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	95.1 %	70-130	B3D17 18	04/17/2023	04/17/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023	
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	0.000325	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

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-N04@8'

4/17/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-08 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	45 %	33-115	L6773 50	04/20/2023	04/21/2023
Surrogate: 4-Terphenyl-d14	54.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	15.2	0.0866	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	153	8.66	"	"	"	"	"
Cadmium	0.248	0.0866	"	"	"	"	"
Copper	19.2	8.66	"	"	"	"	"
Lead	12.3	8.66	"	"	"	"	"
Nickel	16.2	8.66	"	"	"	"	"
Selenium	0.347	0.0866	"	"	"	"	"

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-N05@8'

4/17/2023 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.723	0.102	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/17/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.8 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/17/2023	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	110 %	70-130			"	"	"
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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

PWV-N05@8'

4/17/2023 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.6 %		70-130			B3D17 18	04/17/2023	04/17/2023	
Surrogate: 4-Bromofluorobenzene	94.5 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023	
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	"	"	"	"	"	
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	41.7 %		33-115			"	"	"	

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-N05@8'

4/17/2023 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-09 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	50.3 %	33-122	L6773 50	04/20/2023	04/21/2023
Surrogate: Nitrobenzene-d5	43.6 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	6.19	0.0881	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	103	8.81	"	"	"	"	"	
Cadmium	0.135	0.0881	"	"	"	"	"	
Copper	11.3	8.81	"	"	"	"	"	
Lead	ND	8.81	"	"	"	"	"	U
Nickel	10.8	8.81	"	"	"	"	"	
Selenium	0.195	0.0881	"	"	"	"	"	

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-W01@8'

4/17/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.942	0.101	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.4 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023	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	109 %	70-130			"	"	"	
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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-W01@8'

4/17/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	99.5 %	70-130	B3D17 18	04/17/2023	04/18/2023
Surrogate: 4-Bromofluorobenzene	92.7 %	70-130	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023
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	"	"	"	"	"
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	46.8 %	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-W01@8'

4/17/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-10 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	54.1 %	33-122	L6773 50	04/20/2023	04/21/2023
Surrogate: Nitrobenzene-d5	48 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.32	0.0954	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	120	9.54	"	"	"	"	"	
Cadmium	0.145	0.0954	"	"	"	"	"	
Copper	11.3	9.54	"	"	"	"	"	
Lead	ND	9.54	"	"	"	"	"	U
Nickel	12.5	9.54	"	"	"	"	"	
Selenium	0.101	0.0954	"	"	"	"	"	

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-W02@8'

4/17/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.490	0.0998	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	30.4	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	79.2 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023	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	104 %	70-130	"	"	"	"	"	
Surrogate: Toluene-d8	100 %	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-W02@8'

4/17/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	92.7 %	70-130	B3D17 18	04/17/2023	04/18/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023
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	0.00125	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

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-W02@8'

4/17/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-11 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	44.9 %	33-115	L6773 50	04/20/2023	04/21/2023
Surrogate: 4-Terphenyl-d14	59 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.38	0.0916	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	109	9.16	"	"	"	"	"	
Cadmium	0.117	0.0916	"	"	"	"	"	
Copper	10.3	9.16	"	"	"	"	"	
Lead	ND	9.16	"	"	"	"	"	U
Nickel	11.7	9.16	"	"	"	"	"	
Selenium	0.119	0.0916	"	"	"	"	"	

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-W03@8'

4/17/2023 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-12 (Soil)

Boron (DTPA Sorbitol)

Boron	1.01	0.0997	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.5 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023	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	108 %	70-130	"	"	"
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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

PWV-W03@8'

4/17/2023 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-12 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	101 %		70-130			B3D17 18	04/17/2023	04/18/2023	
Surrogate: 4-Bromofluorobenzene	93.7 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023	
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	"	"	"	"	"	
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	46.8 %		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-W03@8'

4/17/2023 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-12 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	58 %	33-122	L6773 50	04/20/2023	04/21/2023
Surrogate: Nitrobenzene-d5	49.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.90	0.0949	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	147	9.49	"	"	"	"	"	
Cadmium	ND	0.0949	"	"	"	"	"	U
Copper	11.8	9.49	"	"	"	"	"	
Lead	10.3	9.49	"	"	"	"	"	
Nickel	14.9	9.49	"	"	"	"	"	
Selenium	ND	0.0949	"	"	"	"	"	U

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-W04@8'

4/17/2023 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-13 (Soil)

Boron (DTPA Sorbitol)

Boron	1.17	0.101	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	88.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023	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	0.00724	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130	"	"	"
Surrogate: Toluene-d8	99.9 %	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-W04@8'

4/17/2023 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-13 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	94.9 %	70-130	B3D17 18	04/17/2023	04/18/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023
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	"	"	"	"	"
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	43 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	54.8 %		33-122			"	"	"

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-W04@8'

4/17/2023 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-13 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	47 %	29-110	L6773 50	04/20/2023	04/21/2023
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Table 915 metals by EPA 6020B

Arsenic	5.10	0.0963	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	106	9.63	"	"	"	"	"	
Cadmium	0.122	0.0963	"	"	"	"	"	
Copper	11.8	9.63	"	"	"	"	"	
Lead	ND	9.63	"	"	"	"	"	U
Nickel	14.6	9.63	"	"	"	"	"	
Selenium	ND	0.0963	"	"	"	"	"	U

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-S01@8'

4/17/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-14 (Soil)

Boron (DTPA Sorbitol)

Boron	0.228	0.101	mg/L	1	B3D1805	04/18/2023	04/19/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	156	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	81.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	22.1	0.500	mg/kg	250	B3D1718	04/17/2023	04/18/2023
1,3,5-Trimethylbenzene	8.88	0.0500	"	25	"	"	04/18/2023
Benzene	0.0730	0.0500	"	"	"	"	"
Ethylbenzene	4.04	0.0500	"	"	"	"	"
Toluene	0.0199	0.00200	"	1	"	"	04/18/2023
Xylenes, total	101	0.500	"	250	"	"	04/18/2023
Gasoline Range Hydrocarbons	1340	50.0	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130	"	"	04/18/2023
Surrogate: Toluene-d8	109 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	116 %	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-S01@8'

4/17/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-14 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.65	0.00549	0.0101	mg/Kg	5	L677350	04/20/2023	04/21/2023
2-Methylnaphthalene	1.69	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0307	0.000304	0.00067	"	1	"	"	"
Anthracene	0.00105	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	0.0557	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.654	0.0073	0.0101	"	5	"	"	"
Pyrene	0.00142	0.000643	0.00067	"	1	"	"	"

Surrogate: 2-Fluorobiphenyl	57.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	56.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	33.2 %	29-110	"	"	"

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-S01@8'

4/17/2023 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-14 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.62	0.0895	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	74.6	8.95	"	"	"	"	"	
Cadmium	0.0994	0.0895	"	"	"	"	"	
Copper	10.8	8.95	"	"	"	"	"	
Lead	ND	8.95	"	"	"	"	"	U
Nickel	12.5	8.95	"	"	"	"	"	
Selenium	0.0949	0.0895	"	"	"	"	"	

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-S02@8'

4/17/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-15 (Soil)

Boron (DTPA Sorbitol)

Boron	0.142	0.102	mg/L	1	B3D1805	04/18/2023	04/19/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	91.9	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	U

Surrogate: o-Terphenyl	80.7 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0708	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023
1,3,5-Trimethylbenzene	0.0173	0.00200	"	"	"	"	"
Benzene	ND	0.00200	"	"	"	"	U
Ethylbenzene	0.0611	0.00200	"	"	"	"	"
Toluene	ND	0.00200	"	"	"	"	U
Xylenes, total	0.188	0.00200	"	"	"	"	"
Gasoline Range Hydrocarbons	5.07	0.200	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"
Surrogate: Toluene-d8	96.0 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	107 %	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-S02@8'

4/17/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-15 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.00361	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"
Acenaphthene	0.00292	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	0.011	0.000286	0.00067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.00589	0.00145	0.00201	"	"	"	"	"
Pyrene	0.000821	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	45.2 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	58.8 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	54.8 %	29-110	"	"	"

Origins Laboratory, Inc.



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Ensolum
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Wheat Ridge CO 80033

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

PWV-S02@8'

4/17/2023 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-15 (Soil)

Table 915 metals by EPA 6020B

Arsenic	2.91	0.0906	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	58.0	9.06	"	"	"	"	"	
Cadmium	ND	0.0906	"	"	"	"	"	U
Copper	ND	9.06	"	"	"	"	"	U
Lead	ND	9.06	"	"	"	"	"	U
Nickel	ND	9.06	"	"	"	"	"	U
Selenium	ND	0.0906	"	"	"	"	"	U

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-S03@8'

4/17/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.104	0.0998	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.1 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023	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	106 %	70-130			"	"	"
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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-S03@8'

4/17/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-16 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	100 %		70-130			B3D17 18	04/17/2023	04/18/2023	
Surrogate: 4-Bromofluorobenzene	93.0 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023	
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	"	"	"	"	"	
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	35.7 %		33-115			"	"	"	

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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

PWV-S03@8'

4/17/2023 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-16 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	41.8 %	33-122	L6773 50	04/20/2023	04/21/2023
Surrogate: Nitrobenzene-d5	36.6 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.43	0.0999	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	60.9	9.99	"	"	"	"	"	
Cadmium	ND	0.0999	"	"	"	"	"	U
Copper	ND	9.99	"	"	"	"	"	U
Lead	ND	9.99	"	"	"	"	"	U
Nickel	ND	9.99	"	"	"	"	"	U
Selenium	ND	0.0999	"	"	"	"	"	U

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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-S04@8'

4/17/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-17 (Soil)

Boron (DTPA Sorbitol)

Boron	0.345	0.0980	mg/L	1	B3D1805	04/18/2023	04/19/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D1718	04/17/2023	04/18/2023	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	109 %	70-130			"	"	"	S-GC
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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-S04@8'

4/17/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-17 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	102 %		70-130			B3D17 18	04/17/2023	04/18/2023
Surrogate: 4-Bromofluorobenzene	91.3 %		70-130			"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L677350	04/20/2023	04/21/2023
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	"	"	"	"	"
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	41.2 %		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-S04@8'

4/17/2023 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-17 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	51.1 %	33-122	L6773 50	04/20/2023	04/21/2023
Surrogate: Nitrobenzene-d5	43.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.22	0.0862	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	79.5	8.62	"	"	"	"	"
Cadmium	0.163	0.0862	"	"	"	"	"
Copper	11.3	8.62	"	"	"	"	"
Lead	12.9	8.62	"	"	"	"	"
Nickel	11.5	8.62	"	"	"	"	"
Selenium	0.321	0.0862	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Wheat Ridge CO 80033

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

PWV-E01@8'

4/17/2023 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-18 (Soil)

Boron (DTPA Sorbitol)

Boron	2.30	0.101	mg/L	1	B3D1805	04/18/2023	04/19/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	81.7	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	85.2 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.500	mg/kg	250	B3D1718	04/17/2023	04/18/2023	U
1,3,5-Trimethylbenzene	7.28	0.0500	"	25	"	"	04/18/2023	
Benzene	0.204	0.00200	"	1	"	"	04/18/2023	
Ethylbenzene	3.39	0.0500	"	25	"	"	04/18/2023	
Toluene	0.00222	0.00200	"	1	"	"	04/18/2023	
Xylenes, total	0.00640	0.00200	"	"	"	"	04/18/2023	
Gasoline Range Hydrocarbons	1310	50.0	"	250	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130	"	"	04/18/2023
Surrogate: Toluene-d8	114 %	70-130	"	"	" S-GC
Surrogate: 4-Bromofluorobenzene	138 %	70-130	"	"	" S-GC

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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-E01@8'

4/17/2023 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-18 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.168	0.00549	0.0101	mg/Kg	5	L677350	04/20/2023	04/21/2023
2-Methylnaphthalene	0.355	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0181	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	0.0311	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.098	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	51.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	42.3 %	29-110	"	"	"

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

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

PWV-E01@8'

4/17/2023 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-18 (Soil)

Table 915 metals by EPA 6020B

Arsenic	6.37	0.0956	mg/kg	10	B3D1720	04/17/2023	04/18/2023
Barium	132	9.56	"	"	"	"	"
Cadmium	0.163	0.0956	"	"	"	"	"
Copper	14.0	9.56	"	"	"	"	"
Lead	12.0	9.56	"	"	"	"	"
Nickel	17.5	9.56	"	"	"	"	"
Selenium	0.215	0.0956	"	"	"	"	"

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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-E02@8'

4/17/2023 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-19 (Soil)

Boron (DTPA Sorbitol)

Boron	0.424	0.0982	mg/L	1	B3D1805	04/18/2023	04/19/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	1060	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	79.0 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	36.2	0.500	mg/kg	250	B3D1718	04/17/2023	04/18/2023
1,3,5-Trimethylbenzene	27.9	0.500	"	"	"	"	"
Benzene	2.07	0.0500	"	25	"	"	04/18/2023
Ethylbenzene	8.08	0.0500	"	"	"	"	"
Toluene	0.0692	0.00200	"	1	"	"	04/18/2023
Xylenes, total	91.1	0.500	"	250	"	"	04/18/2023
Gasoline Range Hydrocarbons	1840	50.0	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	04/18/2023
Surrogate: Toluene-d8	112 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	131 %	70-130	"	"	" S-GC

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

PWV-E02@8'

4/17/2023 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-19 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	1.58	0.00549	0.0101	mg/Kg	5	L677350	04/20/2023	04/21/2023
2-Methylnaphthalene	2.8	0.0387	0.0402	"	20	"	"	"
Acenaphthene	0.0867	0.00152	0.00335	"	5	"	"	"
Anthracene	0.00336	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	0.137	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	1.29	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	69.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	49.7 %	29-110	"	"	"

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

PWV-E02@8'

4/17/2023 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-19 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.01	0.0994	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	98.0	9.94	"	"	"	"	"	
Cadmium	ND	0.0994	"	"	"	"	"	U
Copper	ND	9.94	"	"	"	"	"	U
Lead	ND	9.94	"	"	"	"	"	U
Nickel	10.6	9.94	"	"	"	"	"	
Selenium	ND	0.0994	"	"	"	"	"	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

PWV-E03@8'

4/17/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-20 (Soil)

Boron (DTPA Sorbitol)

Boron	0.183	0.101	mg/L	1	B3D1805	04/18/2023	04/19/2023
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	298	25.0	mg/kg	1	B3D1716	04/17/2023	04/18/2023
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	" U

Surrogate: o-Terphenyl	78.1 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	20.5	0.500	mg/kg	250	B3D1718	04/17/2023	04/18/2023
1,3,5-Trimethylbenzene	16.7	0.500	"	"	"	"	"
Benzene	0.407	0.0500	"	25	"	"	04/18/2023
Ethylbenzene	4.45	0.500	"	250	"	"	04/18/2023
Toluene	0.121	0.0500	"	25	"	"	04/18/2023
Xylenes, total	55.6	0.500	"	250	"	"	"
Gasoline Range Hydrocarbons	695	50.0	"	"	"	"	04/18/2023

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
Surrogate: Toluene-d8	103 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	97.9 %	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-E03@8'

4/17/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304373-20 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.722	0.00549	0.0101	mg/Kg	5	L677350	04/20/2023	04/21/2023
2-Methylnaphthalene	1.98	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0525	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	0.0784	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.83	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	73.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	45.3 %	29-110	"	"	"

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-E03@8'

4/17/2023 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304373-20 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.35	0.0901	mg/kg	10	B3D1720	04/17/2023	04/18/2023	
Barium	94.4	9.01	"	"	"	"	"	
Cadmium	ND	0.0901	"	"	"	"	"	U
Copper	10.1	9.01	"	"	"	"	"	
Lead	ND	9.01	"	"	"	"	"	U
Nickel	12.1	9.01	"	"	"	"	"	
Selenium	ND	0.0901	"	"	"	"	"	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

GW01

4/17/2023 8:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304373-21 (Water)

Anions by IC 300.0

Chloride	144		31.2	mg/L	125	B3D1803	04/18/2023	04/20/2023	
Sulfate	801		31.2	"	"	"	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		2.00	ug/L	1	B3D1704	04/17/2023	04/18/2023	U
1,3,5-Trimethylbenzene	62.6		2.00	"	"	"	"	"	
Benzene	18.2		1.00	"	"	"	"	"	
Ethylbenzene	166		1.00	"	"	"	"	"	
Naphthalene	ND		2.00	"	"	"	"	04/17/2023	U
Toluene	ND		1.00	"	"	"	"	04/18/2023	U
Xylenes, total	358		1.00	"	"	"	"	04/17/2023	

Surrogate: 1,2-Dichloroethane-d4	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.4 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	118 %		70-130			"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2010		5.00	mg/L	1	B3D1722	04/17/2023	04/18/2023	
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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

GW02

4/17/2023 9:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y304373-22 (Water)

Anions by IC 300.0

Chloride	171		31.2	mg/L	125	B3D1803	04/18/2023	04/20/2023	
Sulfate	1070		31.2	"	"	"	"	"	

BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	59.0		20.0	ug/L	10	B3D1704	04/17/2023	04/18/2023	
1,3,5-Trimethylbenzene	7.11		2.00	"	1	"	"	04/18/2023	
Benzene	30.8		1.00	"	"	"	"	"	
Ethylbenzene	149		1.00	"	"	"	"	"	
Naphthalene	27.7		2.00	"	"	"	"	"	
Toluene	ND		1.00	"	"	"	"	"	U
Xylenes, total	34.0		10.0	"	10	"	"	04/18/2023	

Surrogate: 1,2-Dichloroethane-d4	121 %		70-130			"	"	04/18/2023	
Surrogate: Toluene-d8	108 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	83.8 %		70-130			"	"	"	

Total Dissolved Solids by 2540C

Total Dissolved Solids	2340		5.00	mg/L	1	B3D1722	04/17/2023	04/18/2023	
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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

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
Batch B3D1704 - EPA 5030B (Water)										
Blank (B3D1704-BLK1)					Prepared: 04/17/2023 Analyzed: 04/17/2023					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.4	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

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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 B3D1704 - EPA 5030B (Water)

LCS (B3D1704-BS1)

Prepared: 04/17/2023 Analyzed: 04/17/2023

1,2,4-Trimethylbenzene	56.7	2.00	ug/L	50.0		113	70-130			
1,3,5-Trimethylbenzene	57.7	2.00	"	50.0		115	70-130			
Benzene	40.9	1.00	"	50.0		81.8	70-130			
Ethylbenzene	43.3	1.00	"	50.0		86.5	70-130			
m,p-Xylene	113	2.00	"	100		113	70-130			
Naphthalene	51.4	2.00	"	50.0		103	70-130			
o-Xylene	59.0	1.00	"	50.0		118	70-130			
Toluene	42.0	1.00	"	50.0		84.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		88.9	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	70-130			

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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 B3D1704 - EPA 5030B (Water)

Matrix Spike (B3D1704-MS1)		Source: Y304357-01			Prepared: 04/17/2023 Analyzed: 04/17/2023					
1,2,4-Trimethylbenzene	59.3	2.00	ug/L	50.0	ND	119	70-130			
1,3,5-Trimethylbenzene	59.4	2.00	"	50.0	ND	119	70-130			
Benzene	46.0	1.00	"	50.0	ND	92.0	70-130			
Ethylbenzene	44.6	1.00	"	50.0	ND	89.3	70-130			
m,p-Xylene	109	2.00	"	100	1.45	108	70-130			
Naphthalene	58.3	2.00	"	50.0	ND	117	70-130			
o-Xylene	57.1	1.00	"	50.0	ND	114	70-130			
Toluene	45.2	1.00	"	50.0	ND	90.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.0	70-130			
Surrogate: Toluene-d8	60		"	62.5		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.6	70-130			

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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
Batch B3D1704 - EPA 5030B (Water)										
Matrix Spike Dup (B3D1704-MSD1)		Source: Y304357-01			Prepared: 04/17/2023 Analyzed: 04/17/2023					
1,2,4-Trimethylbenzene	65.0	2.00	ug/L	50.0	ND	130	70-130	9.20	20	
1,3,5-Trimethylbenzene	64.8	2.00	"	50.0	ND	130	70-130	8.63	20	
Benzene	61.7	1.00	"	50.0	ND	123	70-130	29.1	20	QR-02
Ethylbenzene	55.2	1.00	"	50.0	ND	110	70-130	21.3	20	QR-02
m,p-Xylene	141	2.00	"	100	1.45	140	70-130	25.7	20	QM-07
Naphthalene	81.0	2.00	"	50.0	ND	162	70-130	32.6	20	QM-07
o-Xylene	75.1	1.00	"	50.0	ND	150	70-130	27.3	20	QM-07
Toluene	52.8	1.00	"	50.0	ND	106	70-130	15.7	20	
Surrogate: 1,2-Dichloroethane-d4	69		"	62.5		110	70-130			
Surrogate: Toluene-d8	61		"	62.5		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		108	70-130			

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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 B3D1716 - EPA 3550B

Blank (B3D1716-BLK1)

Prepared: 04/17/2023 Analyzed: 04/17/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

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
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Batch B3D1716 - EPA 3550B

LCS (B3D1716-BS1)

Prepared: 04/17/2023 Analyzed: 04/17/2023

Diesel (C10-C28)	912	50.0	mg/kg	1000		91.2	70-130			
Residual Range Organics (C28-C40)	974	200	"	1000		97.4	70-130			
Surrogate: o-Terphenyl	43		"	49.8		86.4	50-150			

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
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Batch B3D1716 - EPA 3550B

Matrix Spike (B3D1716-MS1)		Source: Y304373-01			Prepared: 04/17/2023 Analyzed: 04/17/2023					
Diesel (C10-C28)	888	50.0	mg/kg	1000	ND	88.8	70-130			
Residual Range Organics (C28-C40)	952	200	"	1000	ND	95.2	70-130			
Surrogate: o-Terphenyl	40		"	49.8		81.2	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
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Batch B3D1716 - EPA 3550B

Matrix Spike Dup (B3D1716-MSD1)		Source: Y304373-01			Prepared: 04/17/2023 Analyzed: 04/17/2023					
Diesel (C10-C28)	884	50.0	mg/kg	1000	ND	88.4	70-130	0.419	35	
Residual Range Organics (C28-C40)	963	200	"	1000	ND	96.3	70-130	1.12	35	
Surrogate: o-Terphenyl	48		"	49.8		96.9	50-150			

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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 B3D1718 - EPA 5030 (soil)										
Blank (B3D1718-BLK1)					Prepared: 04/17/2023 Analyzed: 04/18/2023					
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	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.1	70-130			

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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 B3D1718 - EPA 5030 (soil)

LCS (B3D1718-BS1)

Prepared: 04/17/2023 Analyzed: 04/17/2023

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.0997	0.00200	"	0.100		99.7	70-130			
Ethylbenzene	0.0991	0.00200	"	0.100		99.1	70-130			
Naphthalene	0.101	0.00380	"	0.100		101	70-130			
Toluene	0.101	0.00200	"	0.100		101	70-130			
o-Xylene	0.104	0.00200	"	0.100		104	70-130			
m,p-Xylene	0.205	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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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 B3D1718 - EPA 5030 (soil)

Matrix Spike (B3D1718-MS1)		Source: Y304373-01			Prepared: 04/17/2023 Analyzed: 04/17/2023					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130			
Benzene	0.105	0.00200	"	0.100	ND	105	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	0.00124	101	70-130			
Naphthalene	0.0979	0.00380	"	0.100	ND	97.9	70-130			
Toluene	0.105	0.00200	"	0.100	ND	105	70-130			
o-Xylene	0.103	0.00200	"	0.100	0.000840	102	70-130			
m,p-Xylene	0.211	0.00400	"	0.200	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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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
Batch B3D1718 - EPA 5030 (soil)										
Matrix Spike Dup (B3D1718-MSD1)					Source: Y304373-01					Prepared: 04/17/2023 Analyzed: 04/17/2023
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100	ND	116	70-130	10.3	20	
1,3,5-Trimethylbenzene	0.116	0.00200	"	0.100	ND	116	70-130	10.6	20	
Benzene	0.113	0.00200	"	0.100	ND	113	70-130	7.12	20	
Ethylbenzene	0.110	0.00200	"	0.100	0.00124	109	70-130	7.72	20	
Naphthalene	0.109	0.00380	"	0.100	ND	109	70-130	10.5	20	
Toluene	0.114	0.00200	"	0.100	ND	114	70-130	7.94	20	
o-Xylene	0.111	0.00200	"	0.100	0.000840	110	70-130	7.37	20	
m,p-Xylene	0.230	0.00400	"	0.200	ND	115	70-130	8.50	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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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 B3D1720 - EPA 3050B

Blank (B3D1720-BLK1)

Prepared: 04/17/2023 Analyzed: 04/18/2023

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 (B3D1720-BS1)

Prepared: 04/17/2023 Analyzed: 04/18/2023

Arsenic	0.0526	0.000100	mg/kg	0.0500		105	80-120
Barium	5.23	0.0100	"	5.00		105	80-120
Cadmium	0.0526	0.000100	"	0.0500		105	80-120
Copper	0.544	0.0100	"	0.500		109	80-120
Lead	0.0516	0.0100	"	0.0500		103	80-120
Nickel	0.0545	0.0100	"	0.0500		109	80-120
Selenium	0.0498	0.000100	"	0.0500		99.5	80-120
Silver	0.0497	0.000100	"	0.0500		99.3	80-120
Zinc	0.534	0.100	"	0.500		107	80-120

Matrix Spike (B3D1720-MS1)

Source: Y304373-01

Prepared: 04/17/2023 Analyzed: 04/18/2023

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

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 B3D1720 - EPA 3050B

Matrix Spike (B3D1720-MS1)		Source: Y304373-01			Prepared: 04/17/2023 Analyzed: 04/18/2023					
Arsenic	8.99	0.0890	mg/kg	4.45	5.55	77.2	75-125			
Barium	539	8.90	"	445	139	90.0	75-125			
Cadmium	4.68	0.0890	"	4.45	0.108	103	75-125			
Copper	57.7	8.90	"	44.5	11.3	104	75-125			
Lead	14.2	8.90	"	4.45	10.3	87.7	75-125			
Nickel	16.9	8.90	"	4.45	12.8	91.7	75-125			
Selenium	4.04	0.0890	"	4.45	0.153	87.4	75-125			
Silver	4.41	0.0890	"	4.45	0.0391	98.2	75-125			
Zinc	85.7	89.0	"	44.5	44.7	92.0	75-125			U
Matrix Spike Dup (B3D1720-MSD1)		Source: Y304373-01			Prepared: 04/17/2023 Analyzed: 04/18/2023					
Arsenic	10.3	0.0969	mg/kg	4.84	5.55	97.9	75-125	13.6	20	
Barium	579	9.69	"	484	139	90.7	75-125	7.02	20	
Cadmium	5.18	0.0969	"	4.84	0.108	105	75-125	10.0	20	
Copper	62.2	9.69	"	48.4	11.3	105	75-125	7.45	20	
Lead	15.8	9.69	"	4.84	10.3	114	75-125	10.9	20	
Nickel	18.8	9.69	"	4.84	12.8	124	75-125	10.8	20	
Selenium	4.47	0.0969	"	4.84	0.153	89.1	75-125	10.1	20	
Silver	4.85	0.0969	"	4.84	0.0391	99.3	75-125	9.54	20	
Zinc	93.9	96.9	"	48.4	44.7	101	75-125	9.16	20	U

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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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
Batch B3D1722 - NO PREP										
Blank (B3D1722-BLK1)					Prepared: 04/17/2023 Analyzed: 04/18/2023					
Total Dissolved Solids	ND	5.00	mg/L							U
LCS (B3D1722-BS1)					Prepared: 04/17/2023 Analyzed: 04/18/2023					
Total Dissolved Solids	1010	5.00	mg/L	1010		100	90-110			
Duplicate (B3D1722-DUP1)					Source: Y304373-21 Prepared: 04/17/2023 Analyzed: 04/18/2023					
Total Dissolved Solids	1990	5.00	mg/L		2010			0.951	10	
Batch B3D1803 - Filter .45um non acidified										
Blank (B3D1803-BLK1)					Prepared: 04/18/2023 Analyzed: 04/20/2023					
Chloride	ND	0.250	mg/L							U
Sulfate	ND	0.250	"							U
LCS (B3D1803-BS1)					Prepared: 04/18/2023 Analyzed: 04/20/2023					
Chloride	4.30	0.250	mg/L	4.00		108	90-110			
Sulfate	4.38	0.250	"	4.00		110	90-110			
Matrix Spike (B3D1803-MS1)					Source: Y304357-03 Prepared: 04/18/2023 Analyzed: 04/20/2023					
Chloride	686		mg/L	500	175	102	90-110			
Sulfate	721		"	500	204	103	90-110			
Matrix Spike Dup (B3D1803-MSD1)					Source: Y304357-03 Prepared: 04/18/2023 Analyzed: 04/20/2023					
Chloride	681		mg/L	500	175	101	90-110	0.750	5	
Sulfate	717		"	500	204	103	90-110	0.610	5	

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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
Batch B3D1804 - DTPA Sorbitol Preparation										
Blank (B3D1804-BLK1)					Prepared: 04/18/2023 Analyzed: 04/19/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3D1804-DUP1)					Source: Y304363-01 Prepared: 04/18/2023 Analyzed: 04/19/2023					
Boron	0.600	0.0990	mg/L		0.550			8.58	50	
Batch B3D1805 - DTPA Sorbitol Preparation										
Blank (B3D1805-BLK1)					Prepared: 04/18/2023 Analyzed: 04/19/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3D1805-DUP1)					Source: Y304373-08 Prepared: 04/18/2023 Analyzed: 04/19/2023					
Boron	0.774	0.0998	mg/L		0.748			3.46	50	

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SA Facility

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Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677261 - 3550B

MSD (L 98070-MSD-L677261)		Source: 98070			Prepared: 04/20/2023 Analyzed: 04/20/2023					
Dibenz(a,h)anthracene	0.108	0.00067	mg/Kg	0.162	<0.000614	66.6	30-130	10.1	30	
Pyrene	0.121	0.00067	"	0.162	<0.000643	74.6	30-130	0.8	30	
Naphthalene	0.0888	0.00201	"	0.162	<0.00145	54.8	30-130	1.6	30	
Indeno(1,2,3-cd)pyrene	0.0934	0.00067	"	0.162	<0.000627	57.6	30-130	13.9	30	
Fluoranthene	0.122	0.00067	"	0.162	<0.000394	75.3	30-130	0.8	30	
Chrysene	0.111	0.00067	"	0.162	<0.000624	68.5	30-130	0.8	30	
Benzo(k)fluoranthene	0.109	0.00067	"	0.162	<0.000437	67.2	30-130	7.6	30	
2-Methylnaphthalene	0.0911	0.00201	"	0.162	<0.00194	56.2	30-130	5.4	30	
Fluorene	0.103	0.00067	"	0.162	<0.000286	63.5	30-130	1.9	30	
Benzo(b)fluoranthene	0.11	0.00067	"	0.162	<0.000585	67.9	30-130	2.7	30	
Acenaphthene	0.0965	0.00067	"	0.162	<0.000304	59.5	30-130	0.2	30	
Anthracene	0.108	0.00067	"	0.162	<0.000334	66.6	30-130	0	30	
Benzo(a)anthracene	0.12	0.00067	"	0.162	<0.000493	74	30-130	0.8	30	
Benzo(a)pyrene	0.121	0.00067	"	0.162	<0.000468	74.6	30-130	3.2	30	
1-Methylnaphthalene	0.0896	0.00201	"	0.162	<0.00109	55.3	30-130	7.5	30	
Surrogate: Nitrobenzene-d5	44		"	0.325	143	44	29-110			
Surrogate: 2-Fluorobiphenyl	45.2		"	0.325	149	45.2	33-115			
Surrogate: 4-Terphenyl-d14	66.7		"	0.325	174	66.7	33-122			

MS (L 98070-MS-L677261)		Source: 98070			Prepared: 04/20/2023 Analyzed: 04/20/2023					
Chrysene	0.112	0.00067	mg/Kg	0.166	<0.000624	67.4	30-130			
Pyrene	0.12	0.00067	"	0.166	<0.000643	72.2	30-130			
Naphthalene	0.0903	0.00201	"	0.166	<0.00145	54.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0812	0.00067	"	0.166	<0.000627	48.9	30-130			
Fluorene	0.101	0.00067	"	0.166	<0.000286	60.8	30-130			
Fluoranthene	0.121	0.00067	"	0.166	<0.000394	72.8	30-130			
Dibenz(a,h)anthracene	0.0976	0.00067	"	0.166	<0.000614	58.7	30-130			

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Jeremy Espinoza
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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 L677261 - 3550B

MS (L 98070-MS-L677261)		Source: 98070			Prepared: 04/20/2023 Analyzed: 04/20/2023					
2-Methylnaphthalene	0.0962	0.00201	mg/Kg	0.166	<0.00194	57.9	30-130			
Benzo(k)fluoranthene	0.101	0.00067	"	0.166	<0.000437	60.8	30-130			
1-Methylnaphthalene	0.0966	0.00201	"	0.166	<0.00109	58.1	30-130			
Acenaphthene	0.0963	0.00067	"	0.166	<0.000304	58	30-130			
Anthracene	0.108	0.00067	"	0.166	<0.000334	65	30-130			
Benzo(a)anthracene	0.119	0.00067	"	0.166	<0.000493	71.6	30-130			
Benzo(a)pyrene	0.125	0.00067	"	0.166	<0.000468	75.3	30-130			
Benzo(b)fluoranthene	0.107	0.00067	"	0.166	<0.000585	64.4	30-130			
Surrogate: Nitrobenzene-d5	40.6		"	0.332	143	40.6	29-110			
Surrogate: 2-Fluorobiphenyl	51.2		"	0.332	149	51.2	33-115			
Surrogate: 4-Terphenyl-d14	61.7		"	0.332	174	61.7	33-122			

LCS (LCS-L677261)		Prepared: 04/20/2023 Analyzed: 04/20/2023								
Benzo(a)anthracene	0.118	0.00067	mg/Kg	0.167		70.6	30-130			
Benzo(k)fluoranthene	0.105	0.00067	"	0.167		62.8	30-130			
Pyrene	0.121	0.00067	"	0.167		72.4	30-130			
Anthracene	0.111	0.00067	"	0.167		66.4	30-130			
Benzo(a)pyrene	0.122	0.00067	"	0.167		73	30-130			
Benzo(b)fluoranthene	0.109	0.00067	"	0.167		65.2	30-130			
2-Methylnaphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Acenaphthene	0.104	0.00067	"	0.167		62.2	30-130			
Naphthalene	0.101	0.00201	"	0.167		60.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0993	0.00067	"	0.167		59.4	30-130			
Fluorene	0.0898	0.00067	"	0.167		53.7	30-130			
Fluoranthene	0.12	0.00067	"	0.167		71.8	30-130			
Dibenz(a,h)anthracene	0.107	0.00067	"	0.167		64	30-130			
1-Methylnaphthalene	0.101	0.00201	"	0.167		60.4	30-130			

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SA Facility

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677261 - 3550B

LCS (LCS-L677261)

Prepared: 04/20/2023 Analyzed: 04/20/2023

Chrysene	0.11	0.00067	mg/Kg	0.167		65.8	30-130			
Surrogate: 4-Terphenyl-d14	68.4		"	0.333		68.4	33-122			
Surrogate: Nitrobenzene-d5	57.3		"	0.333		57.3	29-110			
Surrogate: 2-Fluorobiphenyl	60.9		"	0.333		60.9	33-115			

LRB (LRB-L677261)

Prepared: 04/20/2023 Analyzed: 04/20/2023

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Acenaphthene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Naphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	66.9		"	0.333		66.9	33-122			
Surrogate: 2-Fluorobiphenyl	62.1		"	0.333		62.1	33-115			
Surrogate: Nitrobenzene-d5	57		"	0.333		57	29-110			

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SA Facility

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Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677615 - 3550B

MSD (L 99437-MSD-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Benzo(a)pyrene	0.0985	0.00067	mg/Kg	0.166	<0.000468	59.3	30-130	0.8	30	
Chrysene	0.0982	0.00067	"	0.166	<0.000624	59.1	30-130	2.9	30	
1-Methylnaphthalene	0.0908	0.00201	"	0.166	<0.00109	54.6	30-130	7.1	30	
2-Methylnaphthalene	0.0912	0.00201	"	0.166	<0.00194	54.9	30-130	7.2	30	
Acenaphthene	0.0932	0.00067	"	0.166	<0.000304	56.1	30-130	6.4	30	
Anthracene	0.0945	0.00067	"	0.166	<0.000334	56.9	30-130	5.6	30	
Benzo(k)fluoranthene	0.0969	0.00067	"	0.166	<0.000437	58.3	30-130	1.6	30	
Benzo(b)fluoranthene	0.11	0.00067	"	0.166	<0.000585	66.2	30-130	3.7	30	
Pyrene	0.101	0.00067	"	0.166	<0.000643	60.8	30-130	4	30	
Dibenz(a,h)anthracene	0.092	0.00067	"	0.166	<0.000614	55.4	30-130	4.1	30	
Fluoranthene	0.101	0.00067	"	0.166	<0.000394	60.8	30-130	4.2	30	
Fluorene	0.0962	0.00067	"	0.166	<0.000286	57.9	30-130	4	30	
Indeno(1,2,3-cd)pyrene	0.0959	0.00067	"	0.166	<0.000627	57.7	30-130	2.2	30	
Naphthalene	0.0879	0.00201	"	0.166	<0.00145	52.9	30-130	6.8	30	
Benzo(a)anthracene	0.108	0.00067	"	0.166	<0.000493	65	30-130	3.7	30	
Surrogate: 2-Fluorobiphenyl	46.6		"	0.332	163	46.6	33-115			
Surrogate: 4-Terphenyl-d14	52.1		"	0.332	183	52.1	33-122			
Surrogate: Nitrobenzene-d5	47.2		"	0.332	167	47.2	29-110			

MS (L 99437-MS-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Benzo(a)anthracene	0.104	0.00067	mg/Kg	0.163	<0.000493	63.8	30-130			
Naphthalene	0.0821	0.00201	"	0.163	<0.00145	50.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0938	0.00067	"	0.163	<0.000627	57.5	30-130			
Fluorene	0.0924	0.00067	"	0.163	<0.000286	56.6	30-130			
Fluoranthene	0.0968	0.00067	"	0.163	<0.000394	59.3	30-130			
Dibenz(a,h)anthracene	0.0883	0.00067	"	0.163	<0.000614	54.1	30-130			
Chrysene	0.0953	0.00067	"	0.163	<0.000624	58.4	30-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L677615 - 3550B

MS (L 99437-MS-L677615)		Source: 99437			Prepared: 04/21/2023 Analyzed: 04/24/2023					
Pyrene	0.097	0.00067	mg/Kg	0.163	<0.000643	59.5	30-130			
Benzo(k)fluoranthene	0.0953	0.00067	"	0.163	<0.000437	58.4	30-130			
Anthracene	0.0893	0.00067	"	0.163	<0.000334	54.7	30-130			
Acenaphthene	0.0874	0.00067	"	0.163	<0.000304	53.6	30-130			
2-Methylnaphthalene	0.0848	0.00201	"	0.163	<0.00194	52	30-130			
1-Methylnaphthalene	0.0845	0.00201	"	0.163	<0.00109	51.8	30-130			
Benzo(b)fluoranthene	0.106	0.00067	"	0.163	<0.000585	65	30-130			
Benzo(a)pyrene	0.0977	0.00067	"	0.163	<0.000468	59.9	30-130			
Surrogate: Nitrobenzene-d5	43.1		"	0.327	167	43.1	29-110			
Surrogate: 4-Terphenyl-d14	51		"	0.327	183	51	33-122			
Surrogate: 2-Fluorobiphenyl	43.1		"	0.327	163	43.1	33-115			

LCS (LCS-L677615)		Prepared: 04/21/2023 Analyzed: 04/24/2023								
Benzo(b)fluoranthene	0.136	0.00067	mg/Kg	0.167		81.4	30-130			
2-Methylnaphthalene	0.108	0.00201	"	0.167		64.6	30-130			
1-Methylnaphthalene	0.107	0.00201	"	0.167		64	30-130			
Acenaphthene	0.11	0.00067	"	0.167		65.8	30-130			
Anthracene	0.118	0.00067	"	0.167		70.6	30-130			
Benzo(a)pyrene	0.128	0.00067	"	0.167		76.6	30-130			
Benzo(k)fluoranthene	0.124	0.00067	"	0.167		74.2	30-130			
Chrysene	0.118	0.00067	"	0.167		70.6	30-130			
Dibenz(a,h)anthracene	0.121	0.00067	"	0.167		72.4	30-130			
Fluoranthene	0.127	0.00067	"	0.167		76	30-130			
Fluorene	0.117	0.00067	"	0.167		70	30-130			
Indeno(1,2,3-cd)pyrene	0.127	0.00067	"	0.167		76	30-130			
Naphthalene	0.105	0.00201	"	0.167		62.8	30-130			
Benzo(a)anthracene	0.136	0.00067	"	0.167		81.4	30-130			

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.

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

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 L677615 - 3550B

LCS (LCS-L677615)

Prepared: 04/21/2023 Analyzed: 04/24/2023

Pyrene	0.125	0.00067	mg/Kg	0.167		74.8	30-130			
Surrogate: 4-Terphenyl-d14	66.6		"	0.333	66.6		33-122			
Surrogate: Nitrobenzene-d5	58.8		"	0.333	58.8		29-110			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333	56.4		33-115			

LRB (LRB-L677615)

Prepared: 04/21/2023 Analyzed: 04/24/2023

Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
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	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	55.5		"	0.333	55.5		29-110			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333	63.9		33-122			
Surrogate: 2-Fluorobiphenyl	55.2		"	0.333	55.2		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

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.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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.

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.

April 28, 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. April 21, 2023. This project is associated with Origins project number Y304489-01.

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
B01@10'	Y304489-01	Soil	April 21, 2023 9:30	04/21/2023 14:10
B02@10'	Y304489-02	Soil	April 21, 2023 9:35	04/21/2023 14:10
B03@10'	Y304489-03	Soil	April 21, 2023 9:40	04/21/2023 14:10
B04@10'	Y304489-04	Soil	April 21, 2023 9:45	04/21/2023 14:10
B05@10'	Y304489-05	Soil	April 21, 2023 9:50	04/21/2023 14:10
B06@10'	Y304489-06	Soil	April 21, 2023 9:55	04/21/2023 14:10
E01@8'	Y304489-07	Soil	April 21, 2023 10:00	04/21/2023 14:10
E02@8'	Y304489-08	Soil	April 21, 2023 10:05	04/21/2023 14:10
E03@8'	Y304489-09	Soil	April 21, 2023 10:10	04/21/2023 14:10
E04@8'	Y304489-10	Soil	April 21, 2023 10:15	04/21/2023 14:10
E05@8'	Y304489-11	Soil	April 21, 2023 10:20	04/21/2023 14:10
E06@8'	Y304489-12	Soil	April 21, 2023 10:25	04/21/2023 14:10
E07@8'	Y304489-13	Soil	April 21, 2023 10:30	04/21/2023 14:10
N01@8'	Y304489-14	Soil	April 21, 2023 10:35	04/21/2023 14:10

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N02@8'	Y304489-15	Soil	April 21, 2023 10:40	04/21/2023 14:10
N03@8'	Y304489-16	Soil	April 21, 2023 10:45	04/21/2023 14:10

Origins Laboratory, Inc.





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accordance with the chain of custody document. This
analytical report must be reproduced in its entirety.*

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

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Full Table 915-1	BTEXN	1,2,4/1,3,5-TMB	TPH-GRO/DRO/DRO	EC/PH/SAR/Boron (SP)	915-1 PAHs	B, As, Ba, Cd	Cu, Pb, Ni, SE	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other										
B01-10'	4/21/23	930	3	X					X	X	X		X	X	X		1
B02-10'		935															2
B03-10'		940															3
B04-10'		945															4
B05-10'		950															5
B06-10'		955															6
B07-8'		1000															7
B08-8'		1005															8
B09-8'		1010															9
B10-8'		1015															10
Relinquished By: 	Date: 4/21/23	Time: 1410	Received By: 	Date: 4/21/23	Time: 1410	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>											

Client: Ensolum LLC
Address:
Telephone Number:
Email Address: KMG Team
Project Manager: Jeremy Espinoza
Project Name: PACE CONNELLY GAS UNIT 1-26 O SA FACILITY
Project Number: 09A1417237
Samples Collected By: Glen Thompson

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1304489

page 1 of 2

Origins Laboratory, Inc.



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

Page 5 of 70

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: 4304489

Client: Ensolum

Client Project ID: Pace Connelly GU 1-26

Checklist Completed by: EHS

Shipped Via: HD 0 SA

Date/time completed: 4/21/23

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

Airbill #: NA

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

Cooler Number/Temperature: 1 19.0 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: Y003

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"/>		SD
Is there ice present (document if blue ice is used)		<input checked="" type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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.

Reviewed by (Project Manager)

4/21/23
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

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.

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

B01@10'

4/21/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.913	0.0985	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/21/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.7 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0113	0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	
1,3,5-Trimethylbenzene	0.00714	0.00200	"	"	"	"	"	
Benzene	0.00318	0.00200	"	"	"	"	"	
Ethylbenzene	0.00388	0.00200	"	"	"	"	"	
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	0.0337	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.417	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	77.5 %	70-130			"	"	"
Surrogate: Toluene-d8	91.3 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.9 %	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

B01@10'

4/21/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-01 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023
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	"	"	"	"	"
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	43.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	54.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	40.9 %	29-110	"	"	"

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

B01@10'

4/21/2023 9:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.87	0.0950	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	80.2	9.50	"	"	"	"	"
Cadmium	ND	0.0950	"	"	"	"	"
Copper	ND	9.50	"	"	"	"	"
Lead	ND	9.50	"	"	"	"	"
Nickel	9.89	9.50	"	"	"	"	"
Selenium	0.149	0.0950	"	"	"	"	"

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

B02@10'

4/21/2023 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.746		0.0985	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3D2121	04/21/2023	04/21/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.4 %		50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	0.00200		0.00200	"	"	"	"	"	
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	76.6 %		70-130			"	"	"	
Surrogate: Toluene-d8	92.0 %		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

B02@10'

4/21/2023 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	97.0 %	70-130	B3D21 26	04/21/2023	04/21/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023
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	"	"	"	"	"
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	50 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	64.5 %		33-122			"	"	"

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

B02@10'

4/21/2023 9:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-02 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	47.6 %	29-110	L6782 93	04/26/2023	04/26/2023
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Table 915 metals by EPA 6020B

Arsenic	3.92	0.0927	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	1160	9.27	"	"	"	"	"
Cadmium	0.111	0.0927	"	"	"	"	"
Copper	ND	9.27	"	"	"	"	"
Lead	ND	9.27	"	"	"	"	"
Nickel	9.97	9.27	"	"	"	"	"
Selenium	0.103	0.0927	"	"	"	"	"

Origins Laboratory, Inc.



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

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

B03@10'

4/21/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.896	0.102	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/21/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.2 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	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	77.1 %	70-130	"	"	"	"	"
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Origins Laboratory, Inc.



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

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

B03@10'

4/21/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.7 %	70-130	B3D21 26	04/21/2023	04/21/2023
Surrogate: 4-Bromofluorobenzene	96.7 %	70-130	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.00127	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	J
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	"	"	"	"	"	
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	48.3 %		33-115			"	"	"	

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

B03@10'

4/21/2023 9:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.

Y304489-03 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	59.3 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	46.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.84	0.0942	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	147	9.42	"	"	"	"	"
Cadmium	0.161	0.0942	"	"	"	"	"
Copper	12.2	9.42	"	"	"	"	"
Lead	ND	9.42	"	"	"	"	"
Nickel	10.8	9.42	"	"	"	"	"
Selenium	0.149	0.0942	"	"	"	"	"

Origins Laboratory, Inc.



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accordance with the chain of custody document. This
analytical report must be reproduced in its entirety.

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

B04@10'

4/21/2023 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.762	0.0994	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/21/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	90.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	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	78.2 %	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

B04@10'

4/21/2023 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.8 %		70-130			B3D21 26	04/21/2023	04/21/2023	
Surrogate: 4-Bromofluorobenzene	95.8 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	52.1 %		33-115			"	"	"	

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

B04@10'

4/21/2023 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-04 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	61.7 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	47.9 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.74	0.0955	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	70.7	9.55	"	"	"	"	"
Cadmium	ND	0.0955	"	"	"	"	"
Copper	ND	9.55	"	"	"	"	"
Lead	ND	9.55	"	"	"	"	"
Nickel	ND	9.55	"	"	"	"	"
Selenium	0.0955	0.0955	"	"	"	"	"

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

B05@10'

4/21/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.820	0.0985	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.9 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	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	79.2 %	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

B05@10'

4/21/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.1 %		70-130			B3D21 26	04/21/2023	04/21/2023	
Surrogate: 4-Bromofluorobenzene	96.4 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	42.2 %		33-115			"	"	"	

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

B05@10'

4/21/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-05 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	55.6 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	39.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.32	0.0866	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	122	8.66	"	"	"	"	"
Cadmium	0.0962	0.0866	"	"	"	"	"
Copper	ND	8.66	"	"	"	"	"
Lead	ND	8.66	"	"	"	"	"
Nickel	9.51	8.66	"	"	"	"	"
Selenium	0.128	0.0866	"	"	"	"	"

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

B06@10'

4/21/2023 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.03	0.102	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	88.4 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	0.00208	0.00200	"	"	"	"	"	
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	80.2 %	70-130			"	"	"
Surrogate: Toluene-d8	90.9 %	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

B06@10'

4/21/2023 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	97.2 %	70-130	B3D21 26	04/21/2023	04/21/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023
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	"	"	"	"	"
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	41.9 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	53.5 %		33-122			"	"	"

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

B06@10'

4/21/2023 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-06 (Soil)

PAH by 8270D SIM

Surrogate: Nitrobenzene-d5	44.3 %	29-110	L6782 93	04/26/2023	04/26/2023
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Table 915 metals by EPA 6020B

Arsenic	4.21	0.0924	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	93.8	9.24	"	"	"	"	"
Cadmium	0.121	0.0924	"	"	"	"	"
Copper	ND	9.24	"	"	"	"	"
Lead	ND	9.24	"	"	"	"	"
Nickel	10.9	9.24	"	"	"	"	"
Selenium	0.105	0.0924	"	"	"	"	"

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

E01@8'

4/21/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.487	0.0982	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	164	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	31.9	0.500	mg/kg	250	B3D2126	04/21/2023	04/21/2023	
1,3,5-Trimethylbenzene	6.04	0.500	"	"	"	"	"	
Benzene	1.68	0.500	"	"	"	"	"	
Ethylbenzene	7.89	0.500	"	"	"	"	"	
Toluene	ND	0.0500	"	25	"	"	04/22/2023	R-05, U
Xylenes, total	10.5	0.0500	"	"	"	"	"	
Gasoline Range Hydrocarbons	1380	50.0	"	250	"	"	04/21/2023	

Surrogate: 1,2-Dichloroethane-d4	79.4 %	70-130			"	"	"	
Surrogate: Toluene-d8	94.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	108 %	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

E01@8'

4/21/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-07 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.642	0.00549	0.0101	mg/Kg	5	L678293	04/26/2023	04/26/2023
2-Methylnaphthalene	1.89	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0497	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	0.0705	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.737	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	38.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	52 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	44.1 %	29-110	"	"	"

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

E01@8'

4/21/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-07 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.81	0.0926	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	172	9.26	"	"	"	"	"
Cadmium	0.152	0.0926	"	"	"	"	"
Copper	11.9	9.26	"	"	"	"	"
Lead	11.9	9.26	"	"	"	"	"
Nickel	12.8	9.26	"	"	"	"	"
Selenium	0.256	0.0926	"	"	"	"	"

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

E02@8'

4/21/2023 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-08 (Soil)

Boron (DTPA Sorbitol)

Boron	1.04	0.0987	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	240	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	94.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	12.6	0.500	mg/kg	250	B3D2126	04/21/2023	04/21/2023	
1,3,5-Trimethylbenzene	0.520	0.500	"	"	"	"	"	
Benzene	0.620	0.500	"	"	"	"	"	
Ethylbenzene	2.68	0.500	"	"	"	"	"	
Toluene	ND	0.0500	"	25	"	"	04/22/2023	R-05, U
Xylenes, total	8.59	0.0500	"	"	"	"	"	
Gasoline Range Hydrocarbons	839	50.0	"	250	"	"	04/21/2023	

Surrogate: 1,2-Dichloroethane-d4	74.8 %	70-130			"	"	"	
Surrogate: Toluene-d8	94.0 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	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

E02@8'

4/21/2023 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-08 (Soil)

PAH by 8270D SIM

1-Methylnaphthalene	0.401	0.00549	0.0101	mg/Kg	5	L678293	04/26/2023	04/26/2023
2-Methylnaphthalene	1.08	0.00972	0.0101	"	"	"	"	"
Acenaphthene	0.0411	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	0.0536	0.00143	0.00335	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	0.369	0.0073	0.0101	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	37.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	52 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	34.3 %	29-110	"	"	"

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

E02@8'

4/21/2023 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-08 (Soil)

Table 915 metals by EPA 6020B

Arsenic	7.53	0.0956	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	156	9.56	"	"	"	"	"
Cadmium	0.235	0.0956	"	"	"	"	"
Copper	14.9	9.56	"	"	"	"	"
Lead	ND	9.56	"	"	"	"	"
Nickel	12.1	9.56	"	"	"	"	"
Selenium	0.185	0.0956	"	"	"	"	"

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

E03@8'

4/21/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.377	0.100	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	95.4 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/21/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	0.00200	0.00200	"	"	"	"	"	
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	77.0 %	70-130	"	"	"
Surrogate: Toluene-d8	92.0 %	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

E03@8'

4/21/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	96.0 %	70-130	B3D21 26	04/21/2023	04/21/2023
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PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	0.00034	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	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

E03@8'

4/21/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-09 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	42.9 %	33-115	L6782 93	04/26/2023	04/26/2023
Surrogate: 4-Terphenyl-d14	52.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	43.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.82	0.0939	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	119	9.39	"	"	"	"	"
Cadmium	0.106	0.0939	"	"	"	"	"
Copper	ND	9.39	"	"	"	"	"
Lead	ND	9.39	"	"	"	"	"
Nickel	10.0	9.39	"	"	"	"	"
Selenium	ND	0.0939	"	"	"	"	"

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

E04@8'

4/21/2023 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.315	0.100	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	230	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.0151	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	
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	0.00994	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	253	5.00	"	25	"	"	04/22/2023	

Surrogate: 1,2-Dichloroethane-d4	77.0 %	70-130			"	"	04/22/2023	
Surrogate: Toluene-d8	91.0 %	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

E04@8'

4/21/2023 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	102 %	70-130	B3D21 26	04/21/2023	04/22/2023
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PAH by 8270D SIM

1-Methylnaphthalene	0.0091	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00272	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000457	0.000334	0.00067	"	"	"	"	"	J
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	0.0199	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	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

E04@8'

4/21/2023 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-10 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	39.6 %	33-115	L6782 93	04/26/2023	04/26/2023
Surrogate: 4-Terphenyl-d14	48.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	43.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.47	0.0936	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	143	9.36	"	"	"	"	"
Cadmium	ND	0.0936	"	"	"	"	"
Copper	ND	9.36	"	"	"	"	"
Lead	ND	9.36	"	"	"	"	"
Nickel	9.58	9.36	"	"	"	"	"
Selenium	ND	0.0936	"	"	"	"	"

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

E05@8'

4/21/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.473	0.0999	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	419	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	94.8 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	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	0.0193	0.00200	"	"	"	"	"	
Gasoline Range Hydrocarbons	452	5.00	"	25	"	"	04/22/2023	

Surrogate: 1,2-Dichloroethane-d4	76.3 %	70-130	"	"	04/22/2023
Surrogate: Toluene-d8	90.6 %	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

E05@8'

4/21/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 105 % 70-130 B3D21 26 04/21/2023 04/22/2023

PAH by 8270D SIM

1-Methylnaphthalene	0.00164	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	J
2-Methylnaphthalene	0.00235	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00479	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000855	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	0.0313	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



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

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

E05@8'

4/21/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-11 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	44.7 %	33-115	L6782 93	04/26/2023	04/26/2023
Surrogate: 4-Terphenyl-d14	44.1 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	34.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.98	0.0933	mg/kg	10	B3D2123	04/21/2023	04/21/2023
Barium	100	9.33	"	"	"	"	"
Cadmium	ND	0.0933	"	"	"	"	"
Copper	ND	9.33	"	"	"	"	"
Lead	ND	9.33	"	"	"	"	"
Nickel	ND	9.33	"	"	"	"	"
Selenium	ND	0.0933	"	"	"	"	"

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

E06@8'

4/21/2023 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.333	0.101	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.8 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	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	76.4 %	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

E06@8'

4/21/2023 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-12 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.0 %		70-130			B3D21 26	04/21/2023	04/22/2023	
Surrogate: 4-Bromofluorobenzene	97.6 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	33.7 %		33-115			"	"	"	

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

E06@8'

4/21/2023 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-12 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	49.2 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	34.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.62	0.0968	mg/kg	10	B3D2124	04/21/2023	04/21/2023
Barium	95.4	9.68	"	"	"	"	"
Cadmium	ND	0.0968	"	"	"	"	"
Copper	ND	9.68	"	"	"	"	"
Lead	ND	9.68	"	"	"	"	"
Nickel	ND	9.68	"	"	"	"	"
Selenium	ND	0.0968	"	"	"	"	"

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

E07@8'

4/21/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-13 (Soil)

Boron (DTPA Sorbitol)

Boron	0.365	0.0982	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	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	78.0 %	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

E07@8'

4/21/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-13 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.3 %		70-130			B3D21 26	04/21/2023	04/22/2023	
Surrogate: 4-Bromofluorobenzene	97.4 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	25 %		33-115			"	"	"	*

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

E07@8'

4/21/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-13 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	31.4 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	30.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.59	0.0962	mg/kg	10	B3D2124	04/21/2023	04/21/2023
Barium	139	9.62	"	"	"	"	"
Cadmium	0.146	0.0962	"	"	"	"	"
Copper	11.2	9.62	"	"	"	"	"
Lead	11.4	9.62	"	"	"	"	"
Nickel	11.6	9.62	"	"	"	"	"
Selenium	0.242	0.0962	"	"	"	"	"

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

N01@8'

4/21/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-14 (Soil)

Boron (DTPA Sorbitol)

Boron	0.250	0.100	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.6 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	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	77.0 %	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

N01@8'

4/21/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-14 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	92.6 %		70-130			B3D21 26	04/21/2023	04/22/2023	
Surrogate: 4-Bromofluorobenzene	98.0 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	40.8 %		33-115			"	"	"	

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

N01@8'

4/21/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-14 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	49.5 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	42 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.39	0.0992	mg/kg	10	B3D2124	04/21/2023	04/21/2023
Barium	185	9.92	"	"	"	"	"
Cadmium	0.174	0.0992	"	"	"	"	"
Copper	11.3	9.92	"	"	"	"	"
Lead	10.1	9.92	"	"	"	"	"
Nickel	12.9	9.92	"	"	"	"	"
Selenium	0.197	0.0992	"	"	"	"	"

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

N02@8'

4/21/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-15 (Soil)

Boron (DTPA Sorbitol)

Boron	0.480	0.0996	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.5 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	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	80.1 %	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

N02@8'

4/21/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-15 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.5 %		70-130			B3D21 26	04/21/2023	04/22/2023	
Surrogate: 4-Bromofluorobenzene	96.3 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	45.5 %		33-115			"	"	"	

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

N02@8'

4/21/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-15 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	53 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	44.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.33	0.0885	mg/kg	10	B3D2124	04/21/2023	04/21/2023
Barium	194	8.85	"	"	"	"	"
Cadmium	0.169	0.0885	"	"	"	"	"
Copper	12.2	8.85	"	"	"	"	"
Lead	9.99	8.85	"	"	"	"	"
Nickel	13.4	8.85	"	"	"	"	"
Selenium	0.215	0.0885	"	"	"	"	"

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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

N03@8'

4/21/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.464	0.0993	mg/L	1	B3D2403	04/24/2023	04/25/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3D2121	04/21/2023	04/22/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.5 %	50-150	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3D2126	04/21/2023	04/22/2023	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	78.8 %	70-130	"	"	"	"	"
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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

N03@8'

4/21/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304489-16 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	89.6 %		70-130			B3D21 26	04/21/2023	04/22/2023	
Surrogate: 4-Bromofluorobenzene	99.3 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L678293	04/26/2023	04/26/2023	
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	"	"	"	"	"	
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	44 %		33-115			"	"	"	

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

N03@8'

4/21/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304489-16 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	52.9 %	33-122	L6782 93	04/26/2023	04/26/2023
Surrogate: Nitrobenzene-d5	40.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.98	0.0871	mg/kg	10	B3D2124	04/21/2023	04/21/2023
Barium	93.4	8.71	"	"	"	"	"
Cadmium	ND	0.0871	"	"	"	"	"
Copper	ND	8.71	"	"	"	"	"
Lead	ND	8.71	"	"	"	"	"
Nickel	ND	8.71	"	"	"	"	"
Selenium	0.111	0.0871	"	"	"	"	"

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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 B3D2121 - EPA 3550B										
Blank (B3D2121-BLK1)					Prepared: 04/21/2023 Analyzed: 04/21/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		100	50-150			

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Jeremy Espinoza
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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 B3D2121 - EPA 3550B

LCS (B3D2121-BS1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

Diesel (C10-C28)	1010	50.0	mg/kg	1000		101	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000		104	70-130			
Surrogate: o-Terphenyl	47		"	49.8		95.4	50-150			

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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
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Batch B3D2121 - EPA 3550B

Matrix Spike (B3D2121-MS1)		Source: Y304489-01			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Diesel (C10-C28)	1010	50.0	mg/kg	1000	ND	101	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000	ND	104	70-130			
Surrogate: o-Terphenyl	44		"	49.8		88.3	50-150			

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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
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Batch B3D2121 - EPA 3550B

Matrix Spike Dup (B3D2121-MSD1)		Source: Y304489-01			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Diesel (C10-C28)	1100	50.0	mg/kg	1000	ND	110	70-130	8.04	35	
Residual Range Organics (C28-C40)	1180	200	"	1000	ND	118	70-130	12.6	35	
Surrogate: o-Terphenyl	56		"	49.8		112	50-150			

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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
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Batch B3D2126 - EPA 5030 (soil)

Blank (B3D2126-BLK1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

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	0.095		"	0.125		76.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.0	70-130			

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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 B3D2126 - EPA 5030 (soil)

LCS (B3D2126-BS1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.0968	0.00200	"	0.100		96.8	70-130			
Naphthalene	0.115	0.00380	"	0.100		115	70-130			
Toluene	0.0953	0.00200	"	0.100		95.3	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.209	0.00400	"	0.200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.093		"	0.125		74.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.4	70-130			

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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
Batch B3D2126 - EPA 5030 (soil)										
LCS Dup (B3D2126-BSD1)					Prepared: 04/21/2023 Analyzed: 04/21/2023					
1,2,4-Trimethylbenzene	0.104	0.00200	mg/kg	0.100		104	70-130	0.728	20	
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130	0.562	20	
Benzene	0.103	0.00200	"	0.100		103	70-130	3.21	20	
Ethylbenzene	0.0979	0.00200	"	0.100		97.9	70-130	1.21	20	
Naphthalene	0.111	0.00380	"	0.100		111	70-130	4.17	20	
Toluene	0.0926	0.00200	"	0.100		92.6	70-130	2.92	20	
o-Xylene	0.105	0.00200	"	0.100		105	70-130	0.342	20	
m,p-Xylene	0.212	0.00400	"	0.200		106	70-130	1.45	20	
Surrogate: 1,2-Dichloroethane-d4	0.094		"	0.125		75.1	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.0	70-130			

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Jeremy Espinoza
Project Number: 09A1417237
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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 B3D2123 - EPA 3050B

Blank (B3D2123-BLK1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

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

LCS (B3D2123-BS1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

Arsenic	0.0511	0.000100	mg/kg	0.0500	102	80-120
Barium	5.39	0.0100	"	5.00	108	80-120
Cadmium	0.0539	0.000100	"	0.0500	108	80-120
Copper	0.486	0.0100	"	0.500	97.3	80-120
Lead	0.0513	0.0100	"	0.0500	103	80-120
Nickel	0.0504	0.0100	"	0.0500	101	80-120
Selenium	0.0534	0.000100	"	0.0500	107	80-120
Silver	0.0503	0.000100	"	0.0500	101	80-120
Zinc	0.499	0.100	"	0.500	99.8	80-120

Matrix Spike (B3D2123-MS1)

Source: Y304489-01

Prepared: 04/21/2023 Analyzed: 04/21/2023

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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
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Batch B3D2123 - EPA 3050B

Matrix Spike (B3D2123-MS1)		Source: Y304489-01			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Arsenic	7.89	0.0890	mg/kg	4.45	3.87	90.4	75-125			
Barium	535	8.90	"	445	80.2	102	75-125			
Cadmium	4.51	0.0890	"	4.45	0.0808	99.5	75-125			
Copper	47.2	8.90	"	44.5	8.61	86.7	75-125			
Lead	13.5	8.90	"	4.45	7.48	136	75-125			QM-07
Nickel	14.6	8.90	"	4.45	9.89	106	75-125			
Selenium	4.12	0.0890	"	4.45	0.149	89.3	75-125			
Silver	3.93	0.0890	"	4.45	0.0247	87.8	75-125			
Zinc	74.3	89.0	"	44.5	33.4	91.9	75-125			

Matrix Spike Dup (B3D2123-MSD1)		Source: Y304489-01			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Arsenic	8.37	0.0963	mg/kg	4.82	3.87	93.5	75-125	5.86	20	
Barium	586	9.63	"	482	80.2	105	75-125	8.99	20	
Cadmium	4.97	0.0963	"	4.82	0.0808	102	75-125	9.75	20	
Copper	52.2	9.63	"	48.2	8.61	90.5	75-125	10.1	20	
Lead	14.2	9.63	"	4.82	7.48	139	75-125	4.68	20	QM-07
Nickel	14.6	9.63	"	4.82	9.89	98.9	75-125	0.408	20	
Selenium	4.58	0.0963	"	4.82	0.149	92.0	75-125	10.4	20	
Silver	4.24	0.0963	"	4.82	0.0247	87.6	75-125	7.58	20	
Zinc	80.3	96.3	"	48.2	33.4	97.3	75-125	7.69	20	

Batch B3D2124 - EPA 3050B

Blank (B3D2124-BLK1)		Prepared: 04/21/2023 Analyzed: 04/21/2023								
Arsenic	ND	0.000100	mg/kg							
Barium	ND	0.0100	"							
Cadmium	ND	0.000100	"							

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Wheat Ridge CO 80033

Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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
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Batch B3D2124 - EPA 3050B

Blank (B3D2124-BLK1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

Copper	ND	0.0100	mg/kg
Lead	ND	0.0100	"
Nickel	ND	0.0100	"
Selenium	ND	0.000100	"
Silver	ND	0.000100	"
Zinc	ND	0.100	"

LCS (B3D2124-BS1)

Prepared: 04/21/2023 Analyzed: 04/21/2023

Arsenic	0.0506	0.000100	mg/kg	0.0500	101	80-120
Barium	5.41	0.0100	"	5.00	108	80-120
Cadmium	0.0533	0.000100	"	0.0500	107	80-120
Copper	0.484	0.0100	"	0.500	96.9	80-120
Lead	0.0518	0.0100	"	0.0500	104	80-120
Nickel	0.0498	0.0100	"	0.0500	99.5	80-120
Selenium	0.0524	0.000100	"	0.0500	105	80-120
Silver	0.0506	0.000100	"	0.0500	101	80-120
Zinc	0.500	0.100	"	0.500	100	80-120

Matrix Spike (B3D2124-MS1)

Source: Y304489-12

Prepared: 04/21/2023 Analyzed: 04/21/2023

Arsenic	6.98	0.0918	mg/kg	4.59	3.62	73.1	75-125	QM-07
Barium	532	9.18	"	459	95.4	95.1	75-125	
Cadmium	4.45	0.0918	"	4.59	0.0726	95.4	75-125	
Copper	44.6	9.18	"	45.9	6.98	81.9	75-125	
Lead	10.2	9.18	"	4.59	7.21	65.3	75-125	QM-07
Nickel	10.7	9.18	"	4.59	9.23	32.1	75-125	QM-07
Selenium	4.11	0.0918	"	4.59	0.0929	87.5	75-125	
Silver	4.23	0.0918	"	4.59	0.0232	91.5	75-125	

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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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 B3D2124 - EPA 3050B										
Matrix Spike (B3D2124-MS1)		Source: Y304489-12			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Zinc	65.6	91.8	mg/kg	45.9	30.4	76.6	75-125			
Matrix Spike Dup (B3D2124-MSD1)		Source: Y304489-12			Prepared: 04/21/2023 Analyzed: 04/21/2023					
Arsenic	6.36	0.0881	mg/kg	4.40	3.62	62.1	75-125	9.26	20	QM-07
Barium	492	8.81	"	440	95.4	90.1	75-125	7.70	20	
Cadmium	4.15	0.0881	"	4.40	0.0726	92.5	75-125	7.04	20	
Copper	41.4	8.81	"	44.0	6.98	78.2	75-125	7.36	20	
Lead	9.50	8.81	"	4.40	7.21	52.0	75-125	7.14	20	QM-07
Nickel	10.2	8.81	"	4.40	9.23	21.6	75-125	5.00	20	QM-07
Selenium	3.90	0.0881	"	4.40	0.0929	86.5	75-125	5.17	20	
Silver	3.97	0.0881	"	4.40	0.0232	89.6	75-125	6.29	20	
Zinc	60.8	88.1	"	44.0	30.4	69.0	75-125	7.51	20	QM-07

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

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 B3D2403 - DTPA Sorbitol Preparation

Duplicate (B3D2403-DUP1)

Source: Y304489-01

Prepared: 04/24/2023 Analyzed: 04/25/2023

Boron	0.924	0.100	mg/L		0.913			1.15	50	
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Origins Laboratory, Inc.



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accordance with the chain of custody document. This
analytical report must be reproduced in its entirety.

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

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 L678293 - 3550B

MSD (L 81711-MSD-L678293)		Source: Y304489-01			Prepared: 04/26/2023 Analyzed: 04/26/2023					
Fluorene	0.0852	0.00067	mg/Kg	0.166	<0.000286	51.3	30-130	4.4	30	
Acenaphthene	0.0847	0.00067	"	0.166	<0.000304	51	30-130	10.5	30	
Anthracene	0.0926	0.00067	"	0.166	<0.000334	55.7	30-130	9.9	30	
Benzo(a)anthracene	0.109	0.00067	"	0.166	<0.000493	65.6	30-130	12.8	30	
Benzo(a)pyrene	0.102	0.00067	"	0.166	<0.000468	61.4	30-130	14.1	30	
Benzo(b)fluoranthene	0.115	0.00067	"	0.166	<0.000585	69.2	30-130	18.2	30	
Benzo(k)fluoranthene	0.105	0.00067	"	0.166	<0.000437	63.2	30-130	21.2	30	
Chrysene	0.0957	0.00067	"	0.166	<0.000624	57.6	30-130	13.2	30	
Fluoranthene	0.107	0.00067	"	0.166	<0.000394	64.4	30-130	13.5	30	
1-Methylnaphthalene	0.0812	0.00201	"	0.166	<0.00109	48.9	30-130	12.5	30	
Indeno(1,2,3-cd)pyrene	0.0981	0.00067	"	0.166	<0.000627	59	30-130	17.5	30	
Naphthalene	0.0787	0.00201	"	0.166	<0.00145	47.4	30-130	13.4	30	
Pyrene	0.0984	0.00067	"	0.166	<0.000643	59.2	30-130	10.8	30	
Dibenz(a,h)anthracene	0.0887	0.00067	"	0.166	<0.000614	53.4	30-130	18.4	30	
2-Methylnaphthalene	0.0816	0.00201	"	0.166	<0.00194	49.1	30-130	12.3	30	
Surrogate: Nitrobenzene-d5	44.7		"	0.331	135	44.7	29-110			
Surrogate: 2-Fluorobiphenyl	42.5		"	0.331	143	42.5	33-115			
Surrogate: 4-Terphenyl-d14	60.7		"	0.331	180	60.7	33-122			

MS (L 81711-MS-L678293)		Source: Y304489-01			Prepared: 04/26/2023 Analyzed: 04/26/2023					
Dibenz(a,h)anthracene	0.0737	0.00067	mg/Kg	0.165	<0.000614	44.6	30-130			
Anthracene	0.0838	0.00067	"	0.165	<0.000334	50.7	30-130			
Pyrene	0.0883	0.00067	"	0.165	<0.000643	53.5	30-130			
Naphthalene	0.0688	0.00201	"	0.165	<0.00145	41.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0823	0.00067	"	0.165	<0.000627	49.8	30-130			
Fluoranthene	0.0934	0.00067	"	0.165	<0.000394	56.6	30-130			
Chrysene	0.0838	0.00067	"	0.165	<0.000624	50.7	30-130			

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

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 L678293 - 3550B

MS (L 81711-MS-L678293)		Source: Y304489-01			Prepared: 04/26/2023 Analyzed: 04/26/2023					
Benzo(k)fluoranthene	0.0848	0.00067	mg/Kg	0.165	<0.000437	51.3	30-130			
Benzo(b)fluoranthene	0.0958	0.00067	"	0.165	<0.000585	58	30-130			
Benzo(a)pyrene	0.0885	0.00067	"	0.165	<0.000468	53.6	30-130			
Benzo(a)anthracene	0.0958	0.00067	"	0.165	<0.000493	58	30-130			
2-Methylnaphthalene	0.0721	0.00201	"	0.165	<0.00194	43.6	30-130			
Fluorene	0.0815	0.00067	"	0.165	<0.000286	49.3	30-130			
1-Methylnaphthalene	0.0716	0.00201	"	0.165	<0.00109	43.3	30-130			
Acenaphthene	0.0762	0.00067	"	0.165	<0.000304	46.1	30-130			
Surrogate: 4-Terphenyl-d14	48.4		"	0.33	180	48.4	33-122			
Surrogate: Nitrobenzene-d5	38.4		"	0.33	135	38.4	29-110			
Surrogate: 2-Fluorobiphenyl	35.1		"	0.33	143	35.1	33-115			

LCS (LCS-L678293)		Prepared: 04/26/2023 Analyzed: 04/26/2023								
Benzo(k)fluoranthene	0.101	0.00067	mg/Kg	0.167		60.4	30-130			
Acenaphthene	0.0966	0.00067	"	0.167		57.8	30-130			
Anthracene	0.104	0.00067	"	0.167		62.2	30-130			
Benzo(a)anthracene	0.117	0.00067	"	0.167		70	30-130			
2-Methylnaphthalene	0.0939	0.00201	"	0.167		56.2	30-130			
1-Methylnaphthalene	0.0924	0.00201	"	0.167		55.3	30-130			
Fluoranthene	0.116	0.00067	"	0.167		69.4	30-130			
Benzo(b)fluoranthene	0.117	0.00067	"	0.167		70	30-130			
Chrysene	0.104	0.00067	"	0.167		62.2	30-130			
Dibenz(a,h)anthracene	0.0928	0.00067	"	0.167		55.5	30-130			
Pyrene	0.109	0.00067	"	0.167		65.2	30-130			
Naphthalene	0.0908	0.00201	"	0.167		54.3	30-130			
Indeno(1,2,3-cd)pyrene	0.0981	0.00067	"	0.167		58.7	30-130			
Fluorene	0.1	0.00067	"	0.167		59.8	30-130			

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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

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
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L678293 - 3550B

LCS (LCS-L678293)

Prepared: 04/26/2023 Analyzed: 04/26/2023

Benzo(a)pyrene	0.109	0.00067	mg/Kg	0.167		65.2	30-130			
Surrogate: 4-Terphenyl-d14	61.5		"	0.333		61.5	33-122			
Surrogate: 2-Fluorobiphenyl	50.7		"	0.333		50.7	33-115			
Surrogate: Nitrobenzene-d5	48.3		"	0.333		48.3	29-110			

LRB (LRB-L678293)

Prepared: 04/26/2023 Analyzed: 04/26/2023

Indeno(1,2,3-cd)pyrene	ND	0.00067	mg/Kg				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	45		"	0.333		45	29-110			
Surrogate: 4-Terphenyl-d14	61.5		"	0.333		61.5	33-122			
Surrogate: 2-Fluorobiphenyl	52.2		"	0.333		52.2	33-115			

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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

Notes and Definitions

- U Sample is Non-Detect.
- R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- 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.
- * QC Failure
- 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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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.

May 12, 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. May 05, 2023. This project is associated with Origins project number Y305196-01.

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
E10@8'	Y305196-01	Soil	May 5, 2023 9:45	05/05/2023 16:48
E11@8'	Y305196-02	Soil	May 5, 2023 9:50	05/05/2023 16:48
E12@8'	Y305196-03	Soil	May 5, 2023 9:55	05/05/2023 16:48
E13@8'	Y305196-04	Soil	May 5, 2023 10:00	05/05/2023 16:48
E08@8'	Y305196-05	Soil	May 5, 2023 10:05	05/05/2023 16:48
E09@8'	Y305196-06	Soil	May 5, 2023 10:10	05/05/2023 16:48
S05@8'	Y305196-07	Soil	May 5, 2023 10:15	05/05/2023 16:48
S06@8'	Y305196-08	Soil	May 5, 2023 10:20	05/05/2023 16:48
B07@10'	Y305196-09	Soil	May 5, 2023 10:25	05/05/2023 16:48
B08@10'	Y305196-10	Soil	May 5, 2023 10:30	05/05/2023 16:48
B09@10'	Y305196-11	Soil	May 5, 2023 10:35	05/05/2023 16:48
B10@10'	Y305196-12	Soil	May 5, 2023 10:40	05/05/2023 16:48
W05@8'	Y305196-13	Soil	May 5, 2023 10:45	05/05/2023 16:48
W06@8'	Y305196-14	Soil	May 5, 2023 10:50	05/05/2023 16:48

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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W07@8'	Y305196-15	Soil	May 5, 2023 10:55	05/05/2023 16:48
W08@8'	Y305196-16	Soil	May 5, 2023 11:00	05/05/2023 16:48
B11@10'	Y305196-17	Soil	May 5, 2023 11:05	05/05/2023 16:48
B12@10'	Y305196-18	Soil	May 5, 2023 11:10	05/05/2023 16:48
B13@10'	Y305196-19	Soil	May 5, 2023 11:15	05/05/2023 16:48
B14@10'	Y305196-20	Soil	May 5, 2023 11:20	05/05/2023 16:48
B15@10'	Y305196-21	Soil	May 5, 2023 11:25	05/05/2023 16:48
B16@10'	Y305196-22	Soil	May 5, 2023 11:30	05/05/2023 16:48
B17@10'	Y305196-23	Soil	May 5, 2023 11:35	05/05/2023 16:48
B18@10'	Y305196-24	Soil	May 5, 2023 11:40	05/05/2023 16:48
N06@8'	Y305196-25	Soil	May 5, 2023 11:45	05/05/2023 16:48
N07@8'	Y305196-26	Soil	May 5, 2023 11:50	05/05/2023 16:48
N08@8'	Y305196-27	Soil	May 5, 2023 11:55	05/05/2023 16:48

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

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INITIAL ☐ IMPACTED ☒

LABORATORY, INC

page 1 of 3

4305196

Client: Ensolum LLC

Address:

Telephone Number:

Email Address:

Project Manager: Jeremy Espinoza

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

Project Number: 09A1417237

Samples Collected By: Gillian Thompson

Sample ID Description

Date Sampled

Time Sampled

of Containers

Preservative

Unpreserved

HCl

HNO₃

Other

Groundwater

Soil

Full Table 915-1

BTEXN

1,2,4/1,3,5-TMB

TC/PT/SA/BA/BO/CO

EC/PT/SA/BA/BO/CO

9/15 PAHs

8/5, 8/6, 8/7

Ca, Pb, Ni, SE

Sample Instructions

1

2

3

4

5

6

7

8

9

10

Relinquished By:

Date: 9/15/23

Time: 10:30

Relinquished By:

Date:

Time:

Received By: EHS

Date: 9/15/23

Time: 10:48

Received By:

Date:

Time:

Turnaround Time:

Same Day ☒ 24 Hr ☐

48 Hr ☐ 72 Hr ☐

Standard ☐

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

sample IDs revised per Jeremy's email on 9/15/23

SH

Date Results Needed

Origins Laboratory, Inc.

Jefe 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

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LABORATORY, INC

4305196 page 2 of 3

Client: Ensolum LLC

Address:

Telephone Number:

Email Address:

Project Manager: Jeremy Espinoza

Project Name: PACE CONNELLY GAS UNIT 1-26 O SA FACILITY

Project Number: 09A1417237

Samples Collected By: Glenn Thompson

KMG Team

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Soil	Groundwater	Other	HNO ₃	HCl	Unpreserved	Full Table 915-1	BTEXN	1,2,4/1,3,5-TMB	THF-GRO/BRO/DO	ECPT/SA/BTEXN (SP)	915 PAH	BA, B, CA, D	CA, PH, N, SE	Sample Instructions
B04*10'	5-5-23	1035	3		X					X		X	X	X					1
B10*10'		1040																	2
W05*8'		1045																	3
W06*8'		1050																	4
W07*8'		1055																	5
W08*8'		1100																	6
B11*10'		1105																	7
B12*10'		1110																	8
B13*10'		1115																	9
B14*10'		1120																	10

Relinquished By: [Signature] Date: 5/5/23 Time: 1648

Relinquished By: [Signature] Date: 5/5/23 Time: 1648

Received By: EHS Date: 5/5/23 Time: 1648

Received By: [Signature] Date: 5/5/23 Time: 1648

Turnaround Time: Same Day ☒ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐

Date Results Needed: 5/4

Origins Laboratory, Inc.

Jefe 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

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4305196 page 3 of 3

Client: Ensolum LLC

Address:

Telephone Number:

Email Address:

Project Manager: Jeremy Espinoza

Project Name: PACE CONNELLY GAS UNIT 1-26 O SA FACILITY

Project Number: 09A1417237

Samples Collected By: Glenn Thompson

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative	Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Full Table 915-1	BTEXN	1,2,4/1,3,5-TMB	TPH-GRO/DRO/RO	ECPI/SAR/BRO/SP	915 PAHs	BAAs, Bb, C1	u, Pb, Ni, SE	Sample Instructions
B15-10'	5-5-23	1125	3	X						X									1
B16-10'		1130																	2
B17-10'		1135																	3
B18-10'		1140																	4
N06-8'		1145																	5
N07-8'		1150																	6
N08-8'		1155																	7
																			8
																			9
																			10

Relinquished By: [Signature] Date: 5/5/23 Time: 1648

Relinquished By: [Signature] Date: 5/5/23 Time: 1648

Received By: EHS Date: 5/5/23 Time: 1648

Received By: [Signature] Date: 5/5/23 Time: 1648

Turnaround Time: Same Day ☒ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☐

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Date Results Needed: 5-4

Origins Laboratory, Inc.

Jefe 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

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4305196

Client: Ensolum

Client Project ID: Pace Connelly GU 1-26

Checklist Completed by: EHS

Shipped Via: HD (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 5/5/23

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Cooler Number/Temperature: 1 5.4 °C 1 °C 1 °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			/	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			/	
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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)			/	
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.

Reviewed by (Project Manager) 421

5/5/23
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

E10@8'

5/5/2023 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.687	0.0999	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	68.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	0.00236	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	
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	5.95	0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"	
Surrogate: Toluene-d8	95.0 %	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

E10@8'

5/5/2023 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene 134 % 70-130 B3E05 05/05/2023 05/05/2023 GC
35

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
Acenaphthene	0.00171	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000433	0.000334	0.00067	"	"	"	"	"	J
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	0.00797	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

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

E10@8'

5/5/2023 9:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	54.3 %	33-115	L6810 23	05/10/2023	05/10/2023
Surrogate: 4-Terphenyl-d14	71.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.23	0.0858	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	101	8.58	"	"	"	"	"
Cadmium	0.109	0.0858	"	"	"	"	"
Copper	11.3	8.58	"	"	"	"	"
Lead	9.44	8.58	"	"	"	"	"
Nickel	12.2	8.58	"	"	"	"	"
Selenium	0.149	0.0858	"	"	"	"	"

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

E11@8'

5/5/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.919	0.0990	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	109 %	70-130	"	"	"
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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

E11@8'

5/5/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.4 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	96.8 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	48.6 %		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

E11@8'

5/5/2023 9:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-02 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	65.3 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	53.5 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.14	0.0870	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	95.9	8.70	"	"	"	"	"	
Cadmium	0.125	0.0870	"	"	"	"	"	
Copper	10.0	8.70	"	"	"	"	"	
Lead	ND	8.70	"	"	"	"	"	U
Nickel	11.0	8.70	"	"	"	"	"	
Selenium	0.113	0.0870	"	"	"	"	"	

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

E12@8'

5/5/2023 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.330	0.0989	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	68.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	109 %	70-130			"	"	"	
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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

E12@8'

5/5/2023 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.2 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	96.3 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	50.8 %		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

E12@8'

5/5/2023 9:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-03 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	74.5 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	54.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.11	0.0872	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	111	8.72	"	"	"	"	"
Cadmium	0.156	0.0872	"	"	"	"	"
Copper	12.1	8.72	"	"	"	"	"
Lead	10.2	8.72	"	"	"	"	"
Nickel	13.3	8.72	"	"	"	"	"
Selenium	0.138	0.0872	"	"	"	"	"

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

E13@8'

5/5/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.775	0.0993	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	64.6 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	111 %	70-130	"	"	"
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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

E13@8'

5/5/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.7 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	97.4 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	40.9 %		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

E13@8'

5/5/2023 10:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-04 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	55.5 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	47 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.61	0.0917	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	117	9.17	"	"	"	"	"
Cadmium	0.190	0.0917	"	"	"	"	"
Copper	12.1	9.17	"	"	"	"	"
Lead	11.7	9.17	"	"	"	"	"
Nickel	13.4	9.17	"	"	"	"	"
Selenium	0.238	0.0917	"	"	"	"	"

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

E08@8'

5/5/2023 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.964	0.0996	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	72.3 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	109 %	70-130			"	"	"
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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

E08@8'

5/5/2023 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.9 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	98.3 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	42.3 %		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

E08@8'

5/5/2023 10:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-05 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	60.4 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	51.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.06	0.0870	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	97.2	8.70	"	"	"	"	"	
Cadmium	0.0974	0.0870	"	"	"	"	"	
Copper	ND	8.70	"	"	"	"	"	U
Lead	ND	8.70	"	"	"	"	"	U
Nickel	8.89	8.70	"	"	"	"	"	
Selenium	ND	0.0870	"	"	"	"	"	U

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

E09@8'

5/5/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.239	0.0981	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.9 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	109 %	70-130	"	"	"
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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

E09@8'

5/5/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.8 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	97.5 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	51.1 %		33-115			"	"	"	

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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

E09@8'

5/5/2023 10:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-06 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	68.3 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	56 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.90	0.0936	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	115	9.36	"	"	"	"	"	
Cadmium	ND	0.0936	"	"	"	"	"	U
Copper	ND	9.36	"	"	"	"	"	U
Lead	ND	9.36	"	"	"	"	"	U
Nickel	11.7	9.36	"	"	"	"	"	
Selenium	ND	0.0936	"	"	"	"	"	U

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

S05@8'

5/5/2023 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.321	0.0992	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.3 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	111 %	70-130			"	"	"
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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

S05@8'

5/5/2023 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.6 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	97.6 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	40.9 %		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

S05@8'

5/5/2023 10:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-07 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	58.5 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	51.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.16	0.0889	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	88.2	8.89	"	"	"	"	"
Cadmium	0.115	0.0889	"	"	"	"	"
Copper	9.47	8.89	"	"	"	"	"
Lead	9.70	8.89	"	"	"	"	"
Nickel	9.87	8.89	"	"	"	"	"
Selenium	0.145	0.0889	"	"	"	"	"

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

S06@8'

5/5/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.119	0.0990	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	73.8 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	108 %	70-130			"	"	"
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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

S06@8'

5/5/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.7 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	97.2 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	51.8 %		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

S06@8'

5/5/2023 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-08 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	70.9 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	54.9 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.25	0.0920	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	46.1	9.20	"	"	"	"	"	
Cadmium	ND	0.0920	"	"	"	"	"	U
Copper	ND	9.20	"	"	"	"	"	U
Lead	ND	9.20	"	"	"	"	"	U
Nickel	ND	9.20	"	"	"	"	"	U
Selenium	ND	0.0920	"	"	"	"	"	U

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

B07@10'

5/5/2023 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.433	0.0994	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.0 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	110 %	70-130			"	"	"
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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

B07@10'

5/5/2023 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.8 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	96.8 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	43.1 %		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

B07@10'

5/5/2023 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-09 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	60.9 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	48.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.35	0.0930	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	73.9	9.30	"	"	"	"	"	
Cadmium	ND	0.0930	"	"	"	"	"	U
Copper	ND	9.30	"	"	"	"	"	U
Lead	ND	9.30	"	"	"	"	"	U
Nickel	11.8	9.30	"	"	"	"	"	
Selenium	0.0967	0.0930	"	"	"	"	"	

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

B08@10'

5/5/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.828	0.0981	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	65.0 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	111 %	70-130			"	"	"
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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

B08@10'

5/5/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.6 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	97.6 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	45.5 %		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

B08@10'

5/5/2023 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-10 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	68.1 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	55.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.32	0.0898	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	214	8.98	"	"	"	"	"
Cadmium	0.123	0.0898	"	"	"	"	"
Copper	9.85	8.98	"	"	"	"	"
Lead	9.94	8.98	"	"	"	"	"
Nickel	12.9	8.98	"	"	"	"	"
Selenium	0.163	0.0898	"	"	"	"	"

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

B09@10'

5/5/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.969	0.0999	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	63.7 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	110 %	70-130	"	"	"
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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

B09@10'

5/5/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-11 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.2 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	96.5 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	45.4 %		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

B09@10'

5/5/2023 10:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-11 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	58.5 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	52.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	6.65	0.0954	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	86.4	9.54	"	"	"	"	"
Cadmium	0.229	0.0954	"	"	"	"	"
Copper	11.6	9.54	"	"	"	"	"
Lead	11.0	9.54	"	"	"	"	"
Nickel	13.1	9.54	"	"	"	"	"
Selenium	0.219	0.0954	"	"	"	"	"

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

B10@10'

5/5/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.985	0.0987	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	66.5 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/05/2023	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	112 %	70-130	"	"	"
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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

B10@10'

5/5/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-12 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.3 %		70-130			B3E05 35	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	97.2 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681023	05/10/2023	05/10/2023	
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	"	"	"	"	"	
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	50.3 %		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

B10@10'

5/5/2023 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-12 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	66.9 %	33-122	L6810 23	05/10/2023	05/10/2023
Surrogate: Nitrobenzene-d5	56.3 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.35	0.0876	mg/kg	10	B3E0536	05/05/2023	05/09/2023
Barium	76.6	8.76	"	"	"	"	"
Cadmium	0.153	0.0876	"	"	"	"	"
Copper	11.8	8.76	"	"	"	"	"
Lead	12.1	8.76	"	"	"	"	"
Nickel	14.2	8.76	"	"	"	"	"
Selenium	0.141	0.0876	"	"	"	"	"

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

W05@8'

5/5/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-13 (Soil)

Boron (DTPA Sorbitol)

Boron	0.537	0.0995	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	65.7 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	109 %	70-130			"	"	"
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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

W05@8'

5/5/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-13 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.3 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	98.2 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	46.6 %		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

W05@8'

5/5/2023 10:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-13 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	60.4 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	49.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.13	0.0933	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	98.6	9.33	"	"	"	"	"	
Cadmium	ND	0.0933	"	"	"	"	"	U
Copper	ND	9.33	"	"	"	"	"	U
Lead	ND	9.33	"	"	"	"	"	U
Nickel	9.61	9.33	"	"	"	"	"	
Selenium	ND	0.0933	"	"	"	"	"	U

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

W06@8'

5/5/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-14 (Soil)

Boron (DTPA Sorbitol)

Boron	0.534	0.0988	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	68.9 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	115 %	70-130			"	"	"
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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

W06@8'

5/5/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-14 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.6 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	93.4 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	51.7 %		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

W06@8'

5/5/2023 10:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-14 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	67.1 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	55.1 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.08	0.0874	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	85.5	8.74	"	"	"	"	"	
Cadmium	0.110	0.0874	"	"	"	"	"	
Copper	ND	8.74	"	"	"	"	"	U
Lead	ND	8.74	"	"	"	"	"	U
Nickel	9.22	8.74	"	"	"	"	"	
Selenium	0.135	0.0874	"	"	"	"	"	

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

W07@8'

5/5/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-15 (Soil)

Boron (DTPA Sorbitol)

Boron	0.357	0.0991	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	68.6 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	109 %	70-130			"	"	"
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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

W07@8'

5/5/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-15 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.9 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	95.6 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	50.9 %		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

W07@8'

5/5/2023 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-15 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	61.7 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	52.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.51	0.0957	mg/kg	10	B3E0536	05/05/2023	05/09/2023	
Barium	112	9.57	"	"	"	"	"	
Cadmium	0.174	0.0957	"	"	"	"	"	
Copper	ND	9.57	"	"	"	"	"	U
Lead	ND	9.57	"	"	"	"	"	U
Nickel	9.78	9.57	"	"	"	"	"	
Selenium	ND	0.0957	"	"	"	"	"	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

W08@8'

5/5/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.327	0.0992	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	107 %	70-130			"	"	"	
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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

W08@8'

5/5/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-16 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.6 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	96.0 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	46 %		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

W08@8'

5/5/2023 11:00:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-16 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	60.1 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	57 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.89	0.0923	mg/kg	10	B3E0537	05/05/2023	05/09/2023
Barium	124	9.23	"	"	"	"	"
Cadmium	0.112	0.0923	"	"	"	"	"
Copper	11.6	9.23	"	"	"	"	"
Lead	10.6	9.23	"	"	"	"	"
Nickel	12.3	9.23	"	"	"	"	"
Selenium	0.137	0.0923	"	"	"	"	"

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

B11@10'

5/5/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-17 (Soil)

Boron (DTPA Sorbitol)

Boron	1.01	0.0991	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	66.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	112 %	70-130	"	"	"
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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

B11@10'

5/5/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-17 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.7 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	97.4 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	47.7 %		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

B11@10'

5/5/2023 11:05:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-17 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	64.6 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	50.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	9.31	0.0952	mg/kg	10	B3E0537	05/05/2023	05/09/2023
Barium	449	9.52	"	"	"	"	"
Cadmium	0.215	0.0952	"	"	"	"	"
Copper	13.4	9.52	"	"	"	"	"
Lead	14.2	9.52	"	"	"	"	"
Nickel	20.2	9.52	"	"	"	"	"
Selenium	0.353	0.0952	"	"	"	"	"

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

B12@10'

5/5/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-18 (Soil)

Boron (DTPA Sorbitol)

Boron	0.802	0.0995	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	110 %	70-130	"	"	"
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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

B12@10'

5/5/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-18 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.2 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	95.9 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	55.6 %		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

B12@10'

5/5/2023 11:10:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-18 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	69.7 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	54.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.68	0.0904	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	88.1	9.04	"	"	"	"	"	
Cadmium	0.151	0.0904	"	"	"	"	"	
Copper	ND	9.04	"	"	"	"	"	U
Lead	ND	9.04	"	"	"	"	"	U
Nickel	11.6	9.04	"	"	"	"	"	
Selenium	0.113	0.0904	"	"	"	"	"	

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

B13@10'

5/5/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-19 (Soil)

Boron (DTPA Sorbitol)

Boron	0.962	0.100	mg/L	1	B3E0806	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	66.8 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	112 %	70-130	"	"	"
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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

B13@10'

5/5/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-19 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.3 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	96.3 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	52.6 %		33-115			"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum
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Wheat Ridge CO 80033

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

B13@10'

5/5/2023 11:15:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-19 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	69.1 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	57.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.44	0.0917	mg/kg	10	B3E0537	05/05/2023	05/09/2023
Barium	194	9.17	"	"	"	"	"
Cadmium	0.194	0.0917	"	"	"	"	"
Copper	10.8	9.17	"	"	"	"	"
Lead	10.2	9.17	"	"	"	"	"
Nickel	13.6	9.17	"	"	"	"	"
Selenium	0.148	0.0917	"	"	"	"	"

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

B14@10'

5/5/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-20 (Soil)

Boron (DTPA Sorbitol)

Boron	0.211	0.0985	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0529	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	71.6 %	50-150	"	"	"	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0535	05/05/2023	05/06/2023	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	110 %	70-130	"	"	"	"	"	"
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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

B14@10'

5/5/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-20 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	96.1 %		70-130			B3E05 35	05/05/2023	05/06/2023	
Surrogate: 4-Bromofluorobenzene	96.5 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	51.2 %		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

B14@10'

5/5/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-20 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	65 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	55.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.70	0.0888	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	91.4	8.88	"	"	"	"	"	
Cadmium	0.134	0.0888	"	"	"	"	"	
Copper	ND	8.88	"	"	"	"	"	U
Lead	9.07	8.88	"	"	"	"	"	
Nickel	10.3	8.88	"	"	"	"	"	
Selenium	ND	0.0888	"	"	"	"	"	U

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

B15@10'

5/5/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-21 (Soil)

Boron (DTPA Sorbitol)

Boron	0.731	0.0985	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	82.6 %	50-150	"	"	"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	112 %	70-130	"	"	"	"	"	
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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

B15@10'

5/5/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-21 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	95.4 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	100 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	44.3 %		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

B15@10'

5/5/2023 11:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-21 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	62.5 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	49.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.45	0.0874	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	88.8	8.74	"	"	"	"	"	
Cadmium	0.152	0.0874	"	"	"	"	"	
Copper	ND	8.74	"	"	"	"	"	U
Lead	ND	8.74	"	"	"	"	"	U
Nickel	9.82	8.74	"	"	"	"	"	
Selenium	0.0908	0.0874	"	"	"	"	"	

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

B16@10'

5/5/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-22 (Soil)

Boron (DTPA Sorbitol)

Boron	0.800	0.0992	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	88.5 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	115 %	70-130	"	"	"
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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

B16@10'

5/5/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-22 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	91.8 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	98.2 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	53.3 %		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

B16@10'

5/5/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-22 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	71.1 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	57.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.96	0.0921	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	96.8	9.21	"	"	"	"	"	
Cadmium	0.139	0.0921	"	"	"	"	"	
Copper	9.65	9.21	"	"	"	"	"	
Lead	ND	9.21	"	"	"	"	"	U
Nickel	10.6	9.21	"	"	"	"	"	
Selenium	0.151	0.0921	"	"	"	"	"	

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

B17@10'

5/5/2023 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-23 (Soil)

Boron (DTPA Sorbitol)

Boron	0.818	0.0997	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	117 %	70-130			"	"	"	
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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

B17@10'

5/5/2023 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-23 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.0 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	103 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	46.2 %		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

B17@10'

5/5/2023 11:35:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-23 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	60.7 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	58 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.61	0.0846	mg/kg	10	B3E0537	05/05/2023	05/09/2023
Barium	74.2	8.46	"	"	"	"	"
Cadmium	0.119	0.0846	"	"	"	"	"
Copper	8.92	8.46	"	"	"	"	"
Lead	8.61	8.46	"	"	"	"	"
Nickel	10.8	8.46	"	"	"	"	"
Selenium	0.109	0.0846	"	"	"	"	"

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

B18@10'

5/5/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-24 (Soil)

Boron (DTPA Sorbitol)

Boron	0.911	0.0988	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	87.3 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	118 %	70-130			"	"	"
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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

B18@10'

5/5/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-24 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	89.2 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	102 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	35.6 %		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

B18@10'

5/5/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-24 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	54.1 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	36.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.61	0.0923	mg/kg	10	B3E0537	05/05/2023	05/09/2023
Barium	95.0	9.23	"	"	"	"	"
Cadmium	0.142	0.0923	"	"	"	"	"
Copper	9.96	9.23	"	"	"	"	"
Lead	9.66	9.23	"	"	"	"	"
Nickel	11.7	9.23	"	"	"	"	"
Selenium	0.138	0.0923	"	"	"	"	"

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

N06@8'

5/5/2023 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-25 (Soil)

Boron (DTPA Sorbitol)

Boron	0.953	0.0997	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.2 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	118 %	70-130			"	"	"
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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

N06@8'

5/5/2023 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-25 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	98.9 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	96.2 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	56.6 %		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

N06@8'

5/5/2023 11:45:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-25 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	70.2 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	57.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.03	0.0880	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	124	8.80	"	"	"	"	"	
Cadmium	0.129	0.0880	"	"	"	"	"	
Copper	9.50	8.80	"	"	"	"	"	
Lead	9.80	8.80	"	"	"	"	"	
Nickel	10.9	8.80	"	"	"	"	"	
Selenium	ND	0.0880	"	"	"	"	"	U

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

N07@8'

5/5/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-26 (Soil)

Boron (DTPA Sorbitol)

Boron	1.37	0.0984	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/05/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.0 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	118 %	70-130			"	"	"
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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

N07@8'

5/5/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-26 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.6 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	45.2 %		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

N07@8'

5/5/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-26 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	67.9 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	49.7 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.39	0.0943	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	137	9.43	"	"	"	"	"	
Cadmium	0.135	0.0943	"	"	"	"	"	
Copper	9.77	9.43	"	"	"	"	"	
Lead	ND	9.43	"	"	"	"	"	U
Nickel	11.2	9.43	"	"	"	"	"	
Selenium	ND	0.0943	"	"	"	"	"	U

Origins Laboratory, Inc.



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

N08@8'

5/5/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-27 (Soil)

Boron (DTPA Sorbitol)

Boron	1.40	0.0995	mg/L	1	B3E0807	05/08/2023	05/09/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3E0533	05/05/2023	05/06/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.8 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3E0540	05/05/2023	05/05/2023	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	120 %	70-130			"	"	"
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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

N08@8'

5/5/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y305196-27 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.8 %		70-130			B3E05 40	05/05/2023	05/05/2023	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L681024	05/10/2023	05/11/2023	
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	"	"	"	"	"	
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	49.5 %		33-115			"	"	"	

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

N08@8'

5/5/2023 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y305196-27 (Soil)

PAH by 8270D-SIM

Surrogate: 4-Terphenyl-d14	72.2 %	33-122	L6810 24	05/10/2023	05/11/2023
Surrogate: Nitrobenzene-d5	52 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	5.17	0.0956	mg/kg	10	B3E0537	05/05/2023	05/09/2023	
Barium	94.9	9.56	"	"	"	"	"	
Cadmium	0.131	0.0956	"	"	"	"	"	
Copper	10.5	9.56	"	"	"	"	"	
Lead	ND	9.56	"	"	"	"	"	U
Nickel	11.4	9.56	"	"	"	"	"	
Selenium	0.124	0.0956	"	"	"	"	"	

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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 B3E0529 - EPA 3550B										
Blank (B3E0529-BLK1)					Prepared: 05/05/2023 Analyzed: 05/05/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	18		"	24.9		74.0	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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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

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 B3E0529 - EPA 3550B

LCS (B3E0529-BS1)

Prepared: 05/05/2023 Analyzed: 05/05/2023

Diesel (C10-C28)	942	50.0	mg/kg	1000		94.2	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000		105	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.5	50-150			

Origins Laboratory, Inc.



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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 B3E0529 - EPA 3550B

Matrix Spike (B3E0529-MS1)		Source: Y305196-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
Diesel (C10-C28)	988	50.0	mg/kg	1000	ND	98.8	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130			
Surrogate: o-Terphenyl	49		"	49.8		99.4	50-150			

Origins Laboratory, Inc.



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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 B3E0529 - EPA 3550B

Matrix Spike Dup (B3E0529-MSD1)		Source: Y305196-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130	3.07	35	
Residual Range Organics (C28-C40)	1020	200	"	1000	ND	102	70-130	3.20	35	
Surrogate: o-Terphenyl	41		"	49.8		82.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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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 B3E0533 - EPA 3550B										
Blank (B3E0533-BLK1)					Prepared: 05/05/2023 Analyzed: 05/05/2023					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	24		"	24.9		97.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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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 B3E0533 - EPA 3550B

LCS (B3E0533-BS1)

Prepared: 05/05/2023 Analyzed: 05/05/2023

Diesel (C10-C28)	871	50.0	mg/kg	1000		87.1	70-130			
Residual Range Organics (C28-C40)	1010	200	"	1000		101	70-130			
Surrogate: o-Terphenyl	49		"	49.8		97.9	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
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Batch B3E0533 - EPA 3550B

Matrix Spike (B3E0533-MS1)		Source: Y305193-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
Diesel (C10-C28)	1800	50.0	mg/kg	1000	686	112	70-130			
Residual Range Organics (C28-C40)	1400	200	"	1000	269	113	70-130			
Surrogate: o-Terphenyl	55		"	49.8		110	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
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Batch B3E0533 - EPA 3550B

Matrix Spike Dup (B3E0533-MSD1)		Source: Y305193-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
Diesel (C10-C28)	1730	50.0	mg/kg	1000	686	105	70-130	3.85	35	
Residual Range Organics (C28-C40)	1290	200	"	1000	269	102	70-130	8.20	35	
Surrogate: o-Terphenyl	47		"	49.8		94.5	50-150			

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Ensolum
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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 B3E0535 - EPA 5030 (soil)										
Blank (B3E0535-BLK1)					Prepared: 05/05/2023 Analyzed: 05/05/2023					
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	0.00796	0.00380	"							Z-02
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		93.9	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 B3E0535 - EPA 5030 (soil)

LCS (B3E0535-BS1)

Prepared: 05/05/2023 Analyzed: 05/05/2023

1,2,4-Trimethylbenzene	0.108	0.00200	mg/kg	0.100		108	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100		107	70-130			
Benzene	0.111	0.00200	"	0.100		111	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.111	0.00380	"	0.100		111	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
o-Xylene	0.0972	0.00200	"	0.100		97.2	70-130			
m,p-Xylene	0.203	0.00400	"	0.200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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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 B3E0535 - EPA 5030 (soil)

Matrix Spike (B3E0535-MS1)		Source: Y305196-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.0986	0.00200	mg/kg	0.100	0.00236	96.2	70-130			
1,3,5-Trimethylbenzene	0.0975	0.00200	"	0.100	ND	97.5	70-130			
Benzene	0.0926	0.00200	"	0.100	ND	92.6	70-130			
Ethylbenzene	0.0913	0.00200	"	0.100	ND	91.3	70-130			
Naphthalene	0.106	0.00380	"	0.100	0.00150	105	70-130			
Toluene	0.0963	0.00200	"	0.100	ND	96.3	70-130			
o-Xylene	0.0938	0.00200	"	0.100	0.00160	92.2	70-130			
m,p-Xylene	0.186	0.00400	"	0.200	ND	93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		104	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		113	70-130			

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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 B3E0535 - EPA 5030 (soil)

Matrix Spike Dup (B3E0535-MSD1)		Source: Y305196-01			Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	0.00236	98.9	70-130	2.66	20	
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	3.45	20	
Benzene	0.0940	0.00200	"	0.100	ND	94.0	70-130	1.50	20	
Ethylbenzene	0.0926	0.00200	"	0.100	ND	92.6	70-130	1.41	20	
Naphthalene	0.113	0.00380	"	0.100	0.00150	112	70-130	6.54	20	
Toluene	0.0968	0.00200	"	0.100	ND	96.8	70-130	0.518	20	
o-Xylene	0.0958	0.00200	"	0.100	0.00160	94.2	70-130	2.09	20	
m,p-Xylene	0.189	0.00400	"	0.200	ND	94.3	70-130	1.42	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.15		"	0.125		123	70-130			

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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
Batch B3E0540 - EPA 5030 (soil)										
Blank (B3E0540-BLK1)					Prepared: 05/05/2023 Analyzed: 05/05/2023					
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	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

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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 B3E0540 - EPA 5030 (soil)

LCS (B3E0540-BS1)

Prepared: 05/05/2023 Analyzed: 05/05/2023

1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100		103	70-130			
1,3,5-Trimethylbenzene	0.110	0.00200	"	0.100		110	70-130			
Benzene	0.103	0.00200	"	0.100		103	70-130			
Ethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Naphthalene	0.116	0.00380	"	0.100		116	70-130			
Toluene	0.115	0.00200	"	0.100		115	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.208	0.00400	"	0.200		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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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 B3E0540 - EPA 5030 (soil)

Matrix Spike (B3E0540-MS1)		Source: Y305196-21			Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.0874	0.00200	mg/kg	0.100	ND	87.4	70-130			
1,3,5-Trimethylbenzene	0.0882	0.00200	"	0.100	ND	88.2	70-130			
Benzene	0.0954	0.00200	"	0.100	ND	95.4	70-130			
Ethylbenzene	0.0858	0.00200	"	0.100	ND	85.8	70-130			
Naphthalene	0.101	0.00380	"	0.100	ND	101	70-130			
Toluene	0.0973	0.00200	"	0.100	ND	97.3	70-130			
o-Xylene	0.0846	0.00200	"	0.100	ND	84.6	70-130			
m,p-Xylene	0.171	0.00400	"	0.200	ND	85.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		109	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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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
Batch B3E0540 - EPA 5030 (soil)										
Matrix Spike Dup (B3E0540-MSD1)			Source: Y305196-21		Prepared: 05/05/2023 Analyzed: 05/05/2023					
1,2,4-Trimethylbenzene	0.0838	0.00200	mg/kg	0.100	ND	83.8	70-130	4.16	20	
1,3,5-Trimethylbenzene	0.0839	0.00200	"	0.100	ND	83.9	70-130	5.04	20	
Benzene	0.0934	0.00200	"	0.100	ND	93.4	70-130	2.16	20	
Ethylbenzene	0.0829	0.00200	"	0.100	ND	82.9	70-130	3.37	20	
Naphthalene	0.0993	0.00380	"	0.100	ND	99.3	70-130	2.01	20	
Toluene	0.0943	0.00200	"	0.100	ND	94.3	70-130	3.17	20	
o-Xylene	0.0817	0.00200	"	0.100	ND	81.7	70-130	3.42	20	
m,p-Xylene	0.165	0.00400	"	0.200	ND	82.5	70-130	3.82	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		108	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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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 B3E0536 - EPA 3050B

Blank (B3E0536-BLK1)

Prepared: 05/05/2023 Analyzed: 05/09/2023

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 (B3E0536-BS1)

Prepared: 05/05/2023 Analyzed: 05/09/2023

Arsenic	0.0425	0.000100	mg/kg	0.0500		85.1	80-120
Barium	5.25	0.0100	"	5.00		105	80-120
Cadmium	0.0518	0.000100	"	0.0500		104	80-120
Copper	0.550	0.0100	"	0.500		110	80-120
Lead	0.0548	0.0100	"	0.0500		110	80-120
Nickel	0.0534	0.0100	"	0.0500		107	80-120
Selenium	0.0452	0.000100	"	0.0500		90.4	80-120
Silver	0.0433	0.000100	"	0.0500		86.6	80-120
Zinc	0.496	0.100	"	0.500		99.1	80-120

Matrix Spike (B3E0536-MS1)

Source: Y305193-01

Prepared: 05/05/2023 Analyzed: 05/09/2023

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Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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
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Batch B3E0536 - EPA 3050B

Matrix Spike (B3E0536-MS1)		Source: Y305193-01			Prepared: 05/05/2023 Analyzed: 05/09/2023					
Arsenic	7.92	0.0929	mg/kg	4.64	2.54	116	75-125			
Barium	568	9.29	"	464	56.0	110	75-125			
Cadmium	5.07	0.0929	"	4.64	0.108	107	75-125			
Copper	54.6	9.29	"	46.4	6.93	103	75-125			
Lead	17.2	9.29	"	4.64	14.1	66.0	75-125			QM-07
Nickel	10.8	9.29	"	4.64	5.71	110	75-125			
Selenium	4.65	0.0929	"	4.64	0.215	95.5	75-125			
Silver	4.07	0.0929	"	4.64	0.0342	87.0	75-125			
Zinc	78.8	92.9	"	46.4	27.7	110	75-125			U

Matrix Spike Dup (B3E0536-MSD1)		Source: Y305193-01			Prepared: 05/05/2023 Analyzed: 05/09/2023					
Arsenic	6.90	0.0918	mg/kg	4.59	2.54	95.0	75-125	13.7	20	
Barium	536	9.18	"	459	56.0	105	75-125	5.80	20	
Cadmium	4.98	0.0918	"	4.59	0.108	106	75-125	1.84	20	
Copper	52.8	9.18	"	45.9	6.93	99.9	75-125	3.44	20	
Lead	19.2	9.18	"	4.59	14.1	111	75-125	11.1	20	
Nickel	10.4	9.18	"	4.59	5.71	101	75-125	4.47	20	
Selenium	4.20	0.0918	"	4.59	0.215	86.9	75-125	10.1	20	
Silver	3.97	0.0918	"	4.59	0.0342	85.8	75-125	2.55	20	
Zinc	72.5	91.8	"	45.9	27.7	97.6	75-125	8.33	20	U

Batch B3E0537 - EPA 3050B

Blank (B3E0537-BLK1)		Prepared: 05/05/2023 Analyzed: 05/09/2023								
Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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
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Batch B3E0537 - EPA 3050B

Blank (B3E0537-BLK1)

Prepared: 05/05/2023 Analyzed: 05/09/2023

Copper	ND	0.0100	mg/kg							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 (B3E0537-BS1)

Prepared: 05/05/2023 Analyzed: 05/09/2023

Arsenic	0.0423	0.000100	mg/kg	0.0500		84.5	80-120			
Barium	5.14	0.0100	"	5.00		103	80-120			
Cadmium	0.0523	0.000100	"	0.0500		105	80-120			
Copper	0.549	0.0100	"	0.500		110	80-120			
Lead	0.0545	0.0100	"	0.0500		109	80-120			
Nickel	0.0542	0.0100	"	0.0500		108	80-120			
Selenium	0.0445	0.000100	"	0.0500		88.9	80-120			
Silver	0.0429	0.000100	"	0.0500		85.8	80-120			
Zinc	0.544	0.100	"	0.500		109	80-120			

Matrix Spike (B3E0537-MS1)

Source: Y305196-16

Prepared: 05/05/2023 Analyzed: 05/09/2023

Arsenic	12.1	0.0920	mg/kg	4.60	4.89	157	75-125			QM-07
Barium	565	9.20	"	460	124	95.8	75-125			
Cadmium	5.05	0.0920	"	4.60	0.112	107	75-125			
Copper	59.1	9.20	"	46.0	11.6	103	75-125			
Lead	18.9	9.20	"	4.60	10.6	181	75-125			QM-07
Nickel	18.0	9.20	"	4.60	12.3	122	75-125			
Selenium	4.43	0.0920	"	4.60	0.137	93.4	75-125			
Silver	3.92	0.0920	"	4.60	0.0507	84.1	75-125			

Origins Laboratory, Inc.



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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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 B3E0537 - EPA 3050B										
Matrix Spike (B3E0537-MS1)		Source: Y305196-16			Prepared: 05/05/2023 Analyzed: 05/09/2023					
Zinc	101	92.0	mg/kg	46.0	50.0	110	75-125			
Matrix Spike Dup (B3E0537-MSD1)		Source: Y305196-16			Prepared: 05/05/2023 Analyzed: 05/09/2023					
Arsenic	9.62	0.0902	mg/kg	4.51	4.89	105	75-125	22.9	20	QR-DUP
Barium	562	9.02	"	451	124	97.0	75-125	0.590	20	
Cadmium	4.90	0.0902	"	4.51	0.112	106	75-125	3.08	20	
Copper	57.4	9.02	"	45.1	11.6	102	75-125	2.90	20	
Lead	15.5	9.02	"	4.51	10.6	107	75-125	20.2	20	QR-DUP
Nickel	17.3	9.02	"	4.51	12.3	111	75-125	3.52	20	
Selenium	4.35	0.0902	"	4.51	0.137	93.5	75-125	1.79	20	
Silver	3.85	0.0902	"	4.51	0.0507	84.2	75-125	1.86	20	
Zinc	97.9	90.2	"	45.1	50.0	106	75-125	2.69	20	

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Jeremy Espinoza
Project Number: 09A1417237
Project: KMG - Pace Connelly Gas Unit 1-26 O
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
Batch B3E0806 - DTPA Sorbitol Preparation										
Blank (B3E0806-BLK1)					Prepared: 05/08/2023 Analyzed: 05/09/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3E0806-DUP1)					Source: Y305193-01 Prepared: 05/08/2023 Analyzed: 05/09/2023					
Boron	0.298	0.0985	mg/L		0.327			9.54	50	
Batch B3E0807 - DTPA Sorbitol Preparation										
Blank (B3E0807-BLK1)					Prepared: 05/08/2023 Analyzed: 05/09/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3E0807-DUP1)					Source: Y305196-20 Prepared: 05/08/2023 Analyzed: 05/09/2023					
Boron	0.213	0.0984	mg/L		0.211			0.832	50	

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Jeremy Espinoza
Project Number: 09A1417237
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 L681023 - 3550B

MSD (L 91447-MSD-L681023)		Source: Y305196-10			Prepared: 05/10/2023 Analyzed: 05/10/2023					
Fluorene	0.0576	0.00067	mg/Kg	0.165	<0.000286	34.9	30-130	5	30	
Naphthalene	0.0658	0.00201	"	0.165	<0.00145	39.8	30-130	12.6	30	
Indeno(1,2,3-cd)pyrene	0.046	0.00067	"	0.165	<0.000627	27.8	30-130	19.6	30	*
Benzo(k)fluoranthene	0.0933	0.00067	"	0.165	<0.000437	56.5	30-130	15.5	30	
Benzo(b)fluoranthene	0.0564	0.00067	"	0.165	<0.000585	34.1	30-130	13.8	30	
Chrysene	0.0868	0.00067	"	0.165	<0.000624	52.6	30-130	12.8	30	
Dibenz(a,h)anthracene	0.069	0.00067	"	0.165	<0.000614	41.8	30-130	15.6	30	
Fluoranthene	0.0864	0.00067	"	0.165	<0.000394	52.3	30-130	17.5	30	
Pyrene	0.0876	0.00067	"	0.165	<0.000643	53	30-130	16.1	30	
1-Methylnaphthalene	0.0733	0.00201	"	0.165	<0.00109	44.4	30-130	15.1	30	
2-Methylnaphthalene	0.0586	0.00201	"	0.165	<0.00194	35.5	30-130	9.8	30	
Acenaphthene	0.0673	0.00067	"	0.165	<0.000304	40.7	30-130	11.2	30	
Anthracene	0.0696	0.00067	"	0.165	<0.000334	42.1	30-130	25.3	30	
Benzo(a)anthracene	0.0775	0.00067	"	0.165	<0.000493	46.9	30-130	12.8	30	
Benzo(a)pyrene	0.0806	0.00067	"	0.165	<0.000468	48.8	30-130	10.1	30	
Surrogate: Nitrobenzene-d5	40.3		"	0.33	184	40.3	29-110			
Surrogate: 2-Fluorobiphenyl	36.3		"	0.33	151	36.3	33-115			
Surrogate: 4-Terphenyl-d14	51.8		"	0.33	226	51.8	33-122			

MS (L 91447-MS-L681023)		Source: Y305196-10			Prepared: 05/10/2023 Analyzed: 05/10/2023					
Benzo(k)fluoranthene	0.109	0.00067	mg/Kg	0.164	<0.000437	66.4	30-130			
Acenaphthene	0.0753	0.00067	"	0.164	<0.000304	45.9	30-130			
Anthracene	0.0898	0.00067	"	0.164	<0.000334	54.7	30-130			
Benzo(a)anthracene	0.0881	0.00067	"	0.164	<0.000493	53.7	30-130			
Benzo(b)fluoranthene	0.0648	0.00067	"	0.164	<0.000585	39.5	30-130			
Chrysene	0.0987	0.00067	"	0.164	<0.000624	60.1	30-130			
Dibenz(a,h)anthracene	0.0807	0.00067	"	0.164	<0.000614	49.2	30-130			

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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

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 L681023 - 3550B

MS (L 91447-MS-L681023)		Source: Y305196-10			Prepared: 05/10/2023 Analyzed: 05/10/2023					
Fluoranthene	0.103	0.00067	mg/Kg	0.164	<0.000394	62.8	30-130			
Fluorene	0.0606	0.00067	"	0.164	<0.000286	36.9	30-130			
Indeno(1,2,3-cd)pyrene	0.056	0.00067	"	0.164	<0.000627	34.1	30-130			
Naphthalene	0.0747	0.00201	"	0.164	<0.00145	45.5	30-130			
Pyrene	0.103	0.00067	"	0.164	<0.000643	62.8	30-130			
Benzo(a)pyrene	0.0892	0.00067	"	0.164	<0.000468	54.3	30-130			
1-Methylnaphthalene	0.0853	0.00201	"	0.164	<0.00109	52	30-130			
2-Methylnaphthalene	0.0647	0.00201	"	0.164	<0.00194	39.4	30-130			
Surrogate: 4-Terphenyl-d14	86		"	0.329	226	86	33-122			
Surrogate: Nitrobenzene-d5	45.5		"	0.329	184	45.5	29-110			
Surrogate: 2-Fluorobiphenyl	41.9		"	0.329	151	41.9	33-115			

LCS (LCS-L681023)		Prepared: 05/10/2023 Analyzed: 05/10/2023								
Fluorene	0.065	0.00067	mg/Kg	0.167		38.9	30-130			
Acenaphthene	0.0772	0.00067	"	0.167		46.2	30-130			
Anthracene	0.0841	0.00067	"	0.167		50.3	30-130			
Benzo(a)pyrene	0.0927	0.00067	"	0.167		55.5	30-130			
Benzo(k)fluoranthene	0.108	0.00067	"	0.167		64.6	30-130			
Chrysene	0.105	0.00067	"	0.167		62.8	30-130			
2-Methylnaphthalene	0.0656	0.00201	"	0.167		39.2	30-130			
Fluoranthene	0.101	0.00067	"	0.167		60.4	30-130			
Benzo(a)anthracene	0.0829	0.00067	"	0.167		49.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0582	0.00067	"	0.167		34.8	30-130			
Naphthalene	0.0749	0.00201	"	0.167		44.8	30-130			
Pyrene	0.102	0.00067	"	0.167		61	30-130			
Dibenz(a,h)anthracene	0.0783	0.00067	"	0.167		46.8	30-130			
Benzo(b)fluoranthene	0.0754	0.00067	"	0.167		45.1	30-130			

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

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Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L681023 - 3550B

LCS (LCS-L681023)

Prepared: 05/10/2023 Analyzed: 05/10/2023

1-Methylnaphthalene	0.0832	0.00201	mg/Kg	0.167		49.8	30-130			
Surrogate: Nitrobenzene-d5	51.9		"	0.333		51.9	29-110			
Surrogate: 2-Fluorobiphenyl	46.2		"	0.333		46.2	33-115			
Surrogate: 4-Terphenyl-d14	66		"	0.333		66	33-122			

LRB (LRB-L681023)

Prepared: 05/10/2023 Analyzed: 05/10/2023

Anthracene	ND	0.00067	mg/Kg				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
Naphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	64.2		"	0.333		64.2	33-122			
Surrogate: Nitrobenzene-d5	53.7		"	0.333		53.7	29-110			
Surrogate: 2-Fluorobiphenyl	47.4		"	0.333		47.4	33-115			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Jeremy Espinoza
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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 L681024 - 3550B

MSD (L 91455-MSD-L681024)		Source: Y305196-18			Prepared: 05/10/2023 Analyzed: 05/11/2023					
2-Methylnaphthalene	0.0852	0.00201	mg/Kg	0.163	<0.00194	52.2	30-130	16.9	30	
Naphthalene	0.0966	0.00201	"	0.163	<0.00145	59.2	30-130	15.2	30	
Indeno(1,2,3-cd)pyrene	0.0764	0.00067	"	0.163	<0.000627	46.8	30-130	30.2	30	*
Fluorene	0.0833	0.00067	"	0.163	<0.000286	51.1	30-130	23.3	30	
Fluoranthene	0.134	0.00067	"	0.163	<0.000394	82.2	30-130	27.1	30	
Dibenz(a,h)anthracene	0.103	0.00067	"	0.163	<0.000614	63.1	30-130	24.6	30	
Benzo(b)fluoranthene	0.0843	0.00067	"	0.163	<0.000585	51.7	30-130	9.5	30	
Chrysene	0.126	0.00067	"	0.163	<0.000624	77.3	30-130	23.6	30	
Benzo(k)fluoranthene	0.142	0.00067	"	0.163	<0.000437	87.1	30-130	29	30	
Benzo(a)pyrene	0.119	0.00067	"	0.163	<0.000468	73	30-130	24.4	30	
Pyrene	0.131	0.00067	"	0.163	<0.000643	80.3	30-130	26.8	30	
Anthracene	0.103	0.00067	"	0.163	<0.000334	63.1	30-130	11.9	30	
Benzo(a)anthracene	0.116	0.00067	"	0.163	<0.000493	71.1	30-130	25.4	30	
1-Methylnaphthalene	0.105	0.00201	"	0.163	<0.00109	64.4	30-130	17.5	30	
Acenaphthene	0.102	0.00067	"	0.163	<0.000304	62.5	30-130	20.1	30	
Surrogate: Nitrobenzene-d5	64.5		"	0.327	182	64.5	29-110			
Surrogate: 4-Terphenyl-d14	83.1		"	0.327	232	83.1	33-122			
Surrogate: 2-Fluorobiphenyl	56.2		"	0.327	185	56.2	33-115			

MS (L 91455-MS-L681024)		Source: Y305196-18			Prepared: 05/10/2023 Analyzed: 05/11/2023					
Chrysene	0.0994	0.00067	mg/Kg	0.164	<0.000624	60.6	30-130			
Acenaphthene	0.0833	0.00067	"	0.164	<0.000304	50.7	30-130			
Anthracene	0.0914	0.00067	"	0.164	<0.000334	55.7	30-130			
Benzo(a)anthracene	0.0898	0.00067	"	0.164	<0.000493	54.7	30-130			
Benzo(a)pyrene	0.0931	0.00067	"	0.164	<0.000468	56.7	30-130			
Dibenz(a,h)anthracene	0.0804	0.00067	"	0.164	<0.000614	49	30-130			
Benzo(k)fluoranthene	0.106	0.00067	"	0.164	<0.000437	64.6	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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

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Waypoint Analytical, LLC.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L681024 - 3550B

MS (L 91455-MS-L681024)		Source: Y305196-18			Prepared: 05/10/2023 Analyzed: 05/11/2023					
1-Methylnaphthalene	0.0881	0.00201	mg/Kg	0.164	<0.00109	53.7	30-130			
Pyrene	0.1	0.00067	"	0.164	<0.000643	60.9	30-130			
Naphthalene	0.0829	0.00201	"	0.164	<0.00145	50.5	30-130			
Indeno(1,2,3-cd)pyrene	0.0563	0.00067	"	0.164	<0.000627	34.3	30-130			
Fluorene	0.0659	0.00067	"	0.164	<0.000286	40.1	30-130			
Fluoranthene	0.102	0.00067	"	0.164	<0.000394	62.1	30-130			
Benzo(b)fluoranthene	0.0766	0.00067	"	0.164	<0.000585	46.7	30-130			
2-Methylnaphthalene	0.0719	0.00201	"	0.164	<0.00194	43.8	30-130			
Surrogate: 4-Terphenyl-d14	61		"	0.329	232	61	33-122			
Surrogate: 2-Fluorobiphenyl	44.6		"	0.329	185	44.6	33-115			
Surrogate: Nitrobenzene-d5	49.5		"	0.329	182	49.5	29-110			

LCS (LCS-L681024)		Prepared: 05/10/2023 Analyzed: 05/11/2023								
Anthracene	0.0907	0.00067	mg/Kg	0.167		54.3	30-130			
Pyrene	0.111	0.00067	"	0.167		66.4	30-130			
Indeno(1,2,3-cd)pyrene	0.053	0.00067	"	0.167		31.7	30-130			
Fluorene	0.0746	0.00067	"	0.167		44.6	30-130			
Fluoranthene	0.111	0.00067	"	0.167		66.4	30-130			
Dibenz(a,h)anthracene	0.0759	0.00067	"	0.167		45.4	30-130			
Chrysene	0.114	0.00067	"	0.167		68.2	30-130			
Benzo(k)fluoranthene	0.0945	0.00067	"	0.167		56.5	30-130			
Benzo(b)fluoranthene	0.0784	0.00067	"	0.167		46.9	30-130			
Benzo(a)anthracene	0.101	0.00067	"	0.167		60.4	30-130			
Acenaphthene	0.0908	0.00067	"	0.167		54.3	30-130			
Naphthalene	0.0868	0.00201	"	0.167		51.9	30-130			
2-Methylnaphthalene	0.078	0.00201	"	0.167		46.7	30-130			
1-Methylnaphthalene	0.0944	0.00201	"	0.167		56.5	30-130			

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

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 L681024 - 3550B

LCS (LCS-L681024)

Prepared: 05/10/2023 Analyzed: 05/11/2023

Benzo(a)pyrene	0.1	0.00067	mg/Kg	0.167		59.8	30-130			
Surrogate: Nitrobenzene-d5	56.1		"	0.333		56.1	29-110			
Surrogate: 4-Terphenyl-d14	72.6		"	0.333		72.6	33-122			
Surrogate: 2-Fluorobiphenyl	53.4		"	0.333		53.4	33-115			

LRB (LRB-L681024)

Prepared: 05/10/2023 Analyzed: 05/11/2023

Naphthalene	ND	0.00201	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(k)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	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Chrysene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	59.1		"	0.333		59.1	29-110			
Surrogate: 4-Terphenyl-d14	72.3		"	0.333		72.3	33-122			
Surrogate: 2-Fluorobiphenyl	52.2		"	0.333		52.2	33-115			

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Jen Pellegrini, Project Manager

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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

Notes and Definitions

Z-02 This QC precision failure, however, does not affect the quality and usability of the results because the sample results were non-detect for this compound and the percent recovery was within acceptable limits.

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.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

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.

* QC Failure

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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July 21, 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. July 14, 2023. This project is associated with Origins project number Y307311-01.

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
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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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01@12'	Y307311-01	Soil	July 14, 2023 11:20	07/14/2023 17:44
B19@12'	Y307311-02	Soil	July 14, 2023 11:28	07/14/2023 17:44
B20@12'	Y307311-03	Soil	July 14, 2023 11:30	07/14/2023 17:44
B21@12'	Y307311-04	Soil	July 14, 2023 11:32	07/14/2023 17:44
W09@8'	Y307311-05	Soil	July 14, 2023 11:34	07/14/2023 17:44
W10@8'	Y307311-06	Soil	July 14, 2023 11:36	07/14/2023 17:44
S07@8'	Y307311-07	Soil	July 14, 2023 11:38	07/14/2023 17:44
S08@8'	Y307311-08	Soil	July 14, 2023 11:50	07/14/2023 17:44
S09@8'	Y307311-09	Soil	July 14, 2023 11:52	07/14/2023 17:44
S10@8'	Y307311-10	Soil	July 14, 2023 11:54	07/14/2023 17:44
Native-BG01@6'	Y307311-11	Soil	July 14, 2023 15:48	07/14/2023 17:44
Native-BG01@12'	Y307311-12	Soil	July 14, 2023 15:50	07/14/2023 17:44
Native-BG02@6'	Y307311-13	Soil	July 14, 2023 15:52	07/14/2023 17:44
Native-BG02@12'	Y307311-14	Soil	July 14, 2023 15:55	07/14/2023 17:44

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Jen Pellegrini, Project Manager

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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

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Native-BG03@6'	Y307311-15	Soil	July 14, 2023 15:57	07/14/2023 17:44
Native-BG03@12'	Y307311-16	Soil	July 14, 2023 16:00	07/14/2023 17:44
Native-BG04@6'	Y307311-17	Soil	July 14, 2023 16:04	07/14/2023 17:44
Native-BG04@12'	Y307311-18	Soil	July 14, 2023 16:08	07/14/2023 17:44

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.

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: 4207311

Client: Ensolum

Client Project ID: Pace Connelly

Checklist Completed by: JH

Shipped Via: HD

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

Date/time completed: 7/14/23

Airbill #: N/A

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

Cooler Number/Temperature: 1, 4 °C _____ °C _____ °C (Describe)

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	/			
Is there ice present (document if blue ice is used)	/			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			/	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			/	
Were all samples received intact ⁽¹⁾ ?	/			
Was adequate sample volume provided ⁽¹⁾ ?	/			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		/		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	/			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	/			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	/			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	/			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			/	
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)			/	
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.

Reviewed by (Project Manager) JH

Date/Time Reviewed 7/14/23

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

B01@12'

7/14/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-01 (Soil)

Boron (DTPA Sorbitol)

Boron	1.24	0.0986	mg/L	1	B3G1704	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.2 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	109 %	70-130	"	"	"
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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

B01@12'

7/14/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	107 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	104 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	52.6 %		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

B01@12'

7/14/2023 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-01 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	73.6 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	53.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.87	0.0940	mg/kg	10	B3G1440	07/14/2023	07/17/2023	
Barium	56.2	9.40	"	"	"	"	"	
Cadmium	ND	0.0940	"	"	"	"	"	U
Copper	14.8	9.40	"	"	"	"	07/18/2023	
Lead	9.71	9.40	"	"	"	"	"	
Nickel	14.9	9.40	"	"	"	"	07/17/2023	
Selenium	0.136	0.0940	"	"	"	"	"	

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

B19@12'

7/14/2023 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.578	0.0992	mg/L	1	B3G1704	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	102 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	111 %	70-130	"	"	"
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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

B19@12'

7/14/2023 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	107 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	40.6 %		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

B19@12'

7/14/2023 11:28:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-02 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	59.7 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	42.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.76	0.0939	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	91.9	9.39	"	"	"	"	"
Cadmium	0.209	0.0939	"	"	"	"	"
Copper	14.8	9.39	"	"	"	"	07/18/2023
Lead	9.57	9.39	"	"	"	"	"
Nickel	13.4	9.39	"	"	"	"	07/17/2023
Selenium	0.172	0.0939	"	"	"	"	"

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

B20@12'

7/14/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.528	0.0987	mg/L	1	B3G1704	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	101 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	108 %	70-130			"	"	"
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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

B20@12'

7/14/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	105 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	107 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	89.5 %		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

B20@12'

7/14/2023 11:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-03 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	120 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	87.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	6.52	0.0911	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	1010	9.11	"	"	"	"	"
Cadmium	0.265	0.0911	"	"	"	"	"
Copper	14.5	9.11	"	"	"	"	07/18/2023
Lead	9.67	9.11	"	"	"	"	"
Nickel	13.8	9.11	"	"	"	"	07/17/2023
Selenium	0.274	0.0911	"	"	"	"	"

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

B21@12'

7/14/2023 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.322	0.0998	mg/L	1	B3G1704	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	102 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	109 %	70-130			"	"	"
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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

B21@12'

7/14/2023 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	107 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	106 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	50.3 %		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

B21@12'

7/14/2023 11:32:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-04 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	73.8 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	53.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.02	0.0954	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	75.2	9.54	"	"	"	"	"
Cadmium	0.160	0.0954	"	"	"	"	"
Copper	11.2	9.54	"	"	"	"	07/18/2023
Lead	ND	9.54	"	"	"	"	" U
Nickel	9.85	9.54	"	"	"	"	07/17/2023
Selenium	0.181	0.0954	"	"	"	"	"

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

W09@8'

7/14/2023 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.388	0.0992	mg/L	1	B3G1704	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.8 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	109 %	70-130			"	"	"	
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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

W09@8'

7/14/2023 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	105 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	52.3 %		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

W09@8'

7/14/2023 11:34:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-05 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	69.3 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	52.6 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.61	0.0958	mg/kg	10	B3G1440	07/14/2023	07/17/2023	
Barium	47.2	9.58	"	"	"	"	"	
Cadmium	ND	0.0958	"	"	"	"	"	U
Copper	ND	9.58	"	"	"	"	07/19/2023	U
Lead	ND	9.58	"	"	"	"	"	U
Nickel	ND	9.58	"	"	"	"	07/17/2023	U
Selenium	ND	0.0958	"	"	"	"	"	U

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

W10@8'

7/14/2023 11:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-06 (Soil)

Boron (DTPA Sorbitol)

Boron	1.09	0.0996	mg/L	1	B3G1704	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	99.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	106 %	70-130			"	"	"	
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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

W10@8'

7/14/2023 11:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	84.5 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	111 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	57.9 %		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

W10@8'

7/14/2023 11:36:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-06 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	73.5 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	57.6 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	4.15	0.0907	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	204	9.07	"	"	"	"	"
Cadmium	0.130	0.0907	"	"	"	"	"
Copper	11.2	9.07	"	"	"	"	07/19/2023
Lead	9.82	9.07	"	"	"	"	"
Nickel	12.3	9.07	"	"	"	"	07/17/2023
Selenium	0.142	0.0907	"	"	"	"	"

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

S07@8'

7/14/2023 11:38:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.359	0.102	mg/L	1	B3G1705	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.5 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	103 %	70-130	"	"	"
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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

S07@8'

7/14/2023 11:38:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	87.4 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	109 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	48 %		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

S07@8'

7/14/2023 11:38:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-07 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	58.3 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	47.4 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.45	0.0948	mg/kg	10	B3G1440	07/14/2023	07/17/2023	
Barium	37.8	9.48	"	"	"	"	"	
Cadmium	ND	0.0948	"	"	"	"	"	U
Copper	ND	9.48	"	"	"	"	07/19/2023	U
Lead	ND	9.48	"	"	"	"	"	U
Nickel	ND	9.48	"	"	"	"	07/17/2023	U
Selenium	0.116	0.0948	"	"	"	"	"	

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

S08@8'

7/14/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.276	0.101	mg/L	1	B3G1705	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	92.2 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	103 %	70-130			"	"	"
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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

S08@8'

7/14/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	87.3 %	70-130	B3G14 41	07/14/2023	07/15/2023
Surrogate: 4-Bromofluorobenzene	114 %	70-130	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023
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	"	"	"	"	"
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	50 %	33-115	"	"	"	"	"	"

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.

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

S08@8'

7/14/2023 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-08 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	69.1 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	48.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.46	0.0869	mg/kg	10	B3G1440	07/14/2023	07/17/2023	
Barium	41.3	8.69	"	"	"	"	"	
Cadmium	ND	0.0869	"	"	"	"	"	U
Copper	ND	8.69	"	"	"	"	07/19/2023	U
Lead	ND	8.69	"	"	"	"	"	U
Nickel	ND	8.69	"	"	"	"	07/17/2023	U
Selenium	0.108	0.0869	"	"	"	"	"	

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

S09@8'

7/14/2023 11:52:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.347	0.0998	mg/L	1	B3G1705	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	97.3 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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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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

S09@8'

7/14/2023 11:52:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	88.9 %		70-130			B3G14 41	07/14/2023	07/15/2023	
Surrogate: 4-Bromofluorobenzene	109 %		70-130			"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023	
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	"	"	"	"	"	
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	44 %		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

S09@8'

7/14/2023 11:52:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-09 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	54.2 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	42.8 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	2.56	0.0929	mg/kg	10	B3G1440	07/14/2023	07/17/2023	
Barium	40.8	9.29	"	"	"	"	"	
Cadmium	ND	0.0929	"	"	"	"	"	U
Copper	ND	9.29	"	"	"	"	07/19/2023	U
Lead	ND	9.29	"	"	"	"	"	U
Nickel	ND	9.29	"	"	"	"	07/17/2023	U
Selenium	ND	0.0929	"	"	"	"	"	U

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

S10@8'

7/14/2023 11:54:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.213	0.102	mg/L	1	B3G1705	07/17/2023	07/18/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G1442	07/14/2023	07/15/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	102 %	50-150			"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G1441	07/14/2023	07/15/2023	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	102 %	70-130			"	"	"
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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

S10@8'

7/14/2023 11:54:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-10 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	88.0 %		70-130			B3G14 41	07/14/2023	07/15/2023
Surrogate: 4-Bromofluorobenzene	115 %		70-130			"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L693512	07/19/2023	07/19/2023
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	"	"	"	"	"
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	46.5 %		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

S10@8'

7/14/2023 11:54:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y307311-10 (Soil)

PAH by 8270D SIM

Surrogate: 4-Terphenyl-d14	61.8 %	33-122	L6935 12	07/19/2023	07/19/2023
Surrogate: Nitrobenzene-d5	46.2 %	29-110	"	"	"

Table 915 metals by EPA 6020B

Arsenic	3.00	0.0847	mg/kg	10	B3G1440	07/14/2023	07/17/2023	
Barium	65.8	8.47	"	"	"	"	"	
Cadmium	ND	0.0847	"	"	"	"	"	U
Copper	ND	8.47	"	"	"	"	07/19/2023	U
Lead	ND	8.47	"	"	"	"	"	U
Nickel	ND	8.47	"	"	"	"	07/17/2023	U
Selenium	0.0941	0.0847	"	"	"	"	"	

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

Native-BG01@6'

7/14/2023 3:48:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-11 (Soil)

Boron (DTPA Sorbitol)

Boron	0.836	0.0987	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	2.17	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	1.75	0.823	"	"	"	"	"
Sodium	6.31	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.21		pH Units	1	B3G1506	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	4.51		SAR	1	B3G1502	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.07	0.00500	mmhos/cm	1	B3G1506	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	4.12	0.0945	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	75.9	9.45	"	"	"	"	"
Cadmium	0.189	0.0945	"	"	"	"	"
Copper	10.6	9.45	"	"	"	"	07/19/2023

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

Native-BG01@6'

7/14/2023 3:48:00PM

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

Y307311-11 (Soil)

Table 915 metals by EPA 6020B

Lead	ND	9.45	mg/kg	10	B3G1440	07/14/2023	07/19/2023	U
Nickel	10.2	9.45	"	"	"	"	07/17/2023	
Selenium	0.113	0.0945	"	"	"	"	"	

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

Native-BG01@12'

7/14/2023 3:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307311-12 (Soil)

Boron (DTPA Sorbitol)

Boron	0.767	0.0992	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	2.18	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	2.36	0.823	"	"	"	"	"
Sodium	6.24	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.23		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	4.14		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.12	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	4.48	0.0902	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	1200	9.02	"	"	"	"	"
Cadmium	0.181	0.0902	"	"	"	"	"
Copper	10.9	9.02	"	"	"	"	07/19/2023

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

Native-BG01@12'

7/14/2023 3:50:00PM

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

Y307311-12 (Soil)

Table 915 metals by EPA 6020B

Lead	9.32	9.02	mg/kg	10	B3G1440	07/14/2023	07/19/2023
Nickel	10.9	9.02	"	"	"	"	07/17/2023
Selenium	0.161	0.0902	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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analytical report must be reproduced in its entirety.

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

Native-BG02@6'

7/14/2023 3:52:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-13 (Soil)

Boron (DTPA Sorbitol)

Boron	1.03	0.0998	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.23	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	2.05	0.823	"	"	"	"	"
Sodium	10.0	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.27		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	7.81		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.39	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	3.86	0.0918	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	241	9.18	"	"	"	"	"
Cadmium	ND	0.0918	"	"	"	"	" U
Copper	10.6	9.18	"	"	"	"	07/19/2023

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

Native-BG02@6'

7/14/2023 3:52:00PM

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

Y307311-13 (Soil)

Table 915 metals by EPA 6020B

Lead	ND	9.18	mg/kg	10	B3G1440	07/14/2023	07/19/2023	U
Nickel	12.1	9.18	"	"	"	"	07/17/2023	
Selenium	0.110	0.0918	"	"	"	"	"	

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

Native-BG02@12'

7/14/2023 3:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307311-14 (Soil)

Boron (DTPA Sorbitol)

Boron	1.11	0.0992	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.27	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	2.10	0.823	"	"	"	"	"
Sodium	8.67	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.30		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	6.68		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.27	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	4.40	0.0967	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	55.3	9.67	"	"	"	"	"
Cadmium	0.157	0.0967	"	"	"	"	"
Copper	ND	9.67	"	"	"	"	07/19/2023 U

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

Native-BG02@12'

7/14/2023 3:55:00PM

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

Y307311-14 (Soil)

Table 915 metals by EPA 6020B

Lead	10.0	9.67	mg/kg	10	B3G1440	07/14/2023	07/19/2023
Nickel	12.5	9.67	"	"	"	"	07/17/2023
Selenium	0.167	0.0967	"	"	"	"	"

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

Native-BG03@6'
7/14/2023 3:57:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-15 (Soil)

Boron (DTPA Sorbitol)

Boron	0.572	0.0992	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	2.92	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	4.12	0.823	"	"	"	"	"
Sodium	22.0	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.31		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	11.7		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.95	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	2.70	0.0926	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	57.0	9.26	"	"	"	"	"
Cadmium	ND	0.0926	"	"	"	"	" U
Copper	ND	9.26	"	"	"	"	07/19/2023 U

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

Native-BG03@6'

7/14/2023 3:57:00PM

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

Y307311-15 (Soil)

Table 915 metals by EPA 6020B

Lead	ND	9.26	mg/kg	10	B3G1440	07/14/2023	07/19/2023	U
Nickel	ND	9.26	"	"	"	"	07/17/2023	U
Selenium	ND	0.0926	"	"	"	"	"	U

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

Native-BG03@12'

7/14/2023 4:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307311-16 (Soil)

Boron (DTPA Sorbitol)

Boron	0.822	0.0995	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	1.94	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	2.48	0.823	"	"	"	"	"
Sodium	8.24	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.25		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	5.54		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.37	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	5.86	0.0894	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	84.6	8.94	"	"	"	"	"
Cadmium	0.187	0.0894	"	"	"	"	"
Copper	14.5	8.94	"	"	"	"	07/19/2023

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

Native-BG03@12'

7/14/2023 4:00:00PM

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

Y307311-16 (Soil)

Table 915 metals by EPA 6020B

Lead	12.3	8.94	mg/kg	10	B3G1440	07/14/2023	07/19/2023
Nickel	14.8	8.94	"	"	"	"	07/17/2023
Selenium	0.233	0.0894	"	"	"	"	"

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

Native-BG04@6'

7/14/2023 4:04:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307311-17 (Soil)

Boron (DTPA Sorbitol)

Boron	0.727	0.0986	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	3.23	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	4.45	0.823	"	"	"	"	"
Sodium	16.1	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.17		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	8.22		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.45	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	5.31	0.0844	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	247	8.44	"	"	"	"	"
Cadmium	0.202	0.0844	"	"	"	"	"
Copper	11.0	8.44	"	"	"	"	07/19/2023

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

Native-BG04@6'

7/14/2023 4:04:00PM

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

Y307311-17 (Soil)

Table 915 metals by EPA 6020B

Lead	9.25	8.44	mg/kg	10	B3G1440	07/14/2023	07/19/2023
Nickel	10.5	8.44	"	"	"	"	07/17/2023
Selenium	0.218	0.0844	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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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

Native-BG04@12'

7/14/2023 4:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y307311-18 (Soil)

Boron (DTPA Sorbitol)

Boron	0.694	0.0998	mg/L	1	B3G1705	07/17/2023	07/18/2023
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Metals by Saturated Paste by EPA 6010

Calcium	6.74	0.499	meq/L	10	[CALC]	07/15/2023	07/17/2023
Magnesium	8.11	0.823	"	"	"	"	"
Sodium	14.9	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.15		pH Units	1	B3G1505	07/15/2023	07/16/2023
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SAR by 20B Saturated Paste

SAR	5.47		SAR	1	B3G1501	07/15/2023	07/17/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.86	0.00500	mmhos/cm	1	B3G1505	07/15/2023	07/16/2023
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Table 915 metals by EPA 6020B

Arsenic	4.58	0.0918	mg/kg	10	B3G1440	07/14/2023	07/17/2023
Barium	83.2	9.18	"	"	"	"	"
Cadmium	0.274	0.0918	"	"	"	"	"
Copper	12.2	9.18	"	"	"	"	07/19/2023

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

Native-BG04@12'

7/14/2023 4:08:00PM

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

Y307311-18 (Soil)

Table 915 metals by EPA 6020B

Lead	10.9	9.18	mg/kg	10	B3G1440	07/14/2023	07/19/2023
Nickel	10.7	9.18	"	"	"	"	07/17/2023
Selenium	0.196	0.0918	"	"	"	"	"

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
Batch B3G1441 - EPA 5030 (soil)										
Blank (B3G1441-BLK1)					Prepared: 07/14/2023 Analyzed: 07/14/2023					
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	0.13		"	0.125	105		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	106		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	106		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

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 B3G1441 - EPA 5030 (soil)

LCS (B3G1441-BS1)

Prepared: 07/14/2023 Analyzed: 07/14/2023

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100		115	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100		115	70-130			
Benzene	0.0924	0.00200	"	0.100		92.4	70-130			
Ethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Naphthalene	0.116	0.00380	"	0.100		116	70-130			
Toluene	0.103	0.00200	"	0.100		103	70-130			
o-Xylene	0.115	0.00200	"	0.100		115	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		109	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



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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 B3G1441 - EPA 5030 (soil)

Matrix Spike (B3G1441-MS1)		Source: Y307311-01			Prepared: 07/14/2023 Analyzed: 07/14/2023					
1,2,4-Trimethylbenzene	0.0884	0.00200	mg/kg	0.100	ND	88.4	70-130			
1,3,5-Trimethylbenzene	0.0890	0.00200	"	0.100	ND	89.0	70-130			
Benzene	0.0720	0.00200	"	0.100	ND	72.0	70-130			
Ethylbenzene	0.0869	0.00200	"	0.100	ND	86.9	70-130			
Naphthalene	0.0917	0.00380	"	0.100	ND	91.7	70-130			
Toluene	0.0787	0.00200	"	0.100	ND	78.7	70-130			
o-Xylene	0.0900	0.00200	"	0.100	ND	90.0	70-130			
m,p-Xylene	0.172	0.00400	"	0.200	ND	86.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		113	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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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

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 B3G1441 - EPA 5030 (soil)

Matrix Spike Dup (B3G1441-MSD1)		Source: Y307311-01			Prepared: 07/14/2023 Analyzed: 07/14/2023					
1,2,4-Trimethylbenzene	0.0883	0.00200	mg/kg	0.100	ND	88.3	70-130	0.113	20	
1,3,5-Trimethylbenzene	0.0894	0.00200	"	0.100	ND	89.4	70-130	0.493	20	
Benzene	0.0716	0.00200	"	0.100	ND	71.6	70-130	0.473	20	
Ethylbenzene	0.0862	0.00200	"	0.100	ND	86.2	70-130	0.763	20	
Naphthalene	0.0925	0.00380	"	0.100	ND	92.5	70-130	0.868	20	
Toluene	0.0790	0.00200	"	0.100	ND	79.0	70-130	0.380	20	
o-Xylene	0.0893	0.00200	"	0.100	ND	89.3	70-130	0.736	20	
m,p-Xylene	0.170	0.00400	"	0.200	ND	85.1	70-130	1.01	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		110	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	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

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 B3G1442 - EPA 3550B

Blank (B3G1442-BLK1)

Prepared: 07/14/2023 Analyzed: 07/15/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		102	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 B3G1442 - EPA 3550B

LCS (B3G1442-BS1)

Prepared: 07/14/2023 Analyzed: 07/15/2023

Diesel (C10-C28)	514	25.0	mg/kg	500		103	70-130			
Residual Range Organics (C28-C40)	499	100	"	500		99.7	70-130			
Surrogate: o-Terphenyl	29		"	24.9		118	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 B3G1442 - EPA 3550B

Matrix Spike (B3G1442-MS1)		Source: Y307311-01			Prepared: 07/14/2023 Analyzed: 07/15/2023					
Diesel (C10-C28)	491	25.0	mg/kg	500	ND	98.2	70-130			
Residual Range Organics (C28-C40)	479	100	"	500	ND	95.8	70-130			
Surrogate: o-Terphenyl	28		"	24.9		112	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 B3G1442 - EPA 3550B

Matrix Spike Dup (B3G1442-MSD1)		Source: Y307311-01			Prepared: 07/14/2023 Analyzed: 07/15/2023					
Diesel (C10-C28)	444	25.0	mg/kg	500	ND	88.8	70-130	10.1	35	
Residual Range Organics (C28-C40)	428	100	"	500	ND	85.6	70-130	11.3	35	
Surrogate: o-Terphenyl	23		"	24.9		91.0	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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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 B3G1440 - EPA 3050B

Blank (B3G1440-BLK1)

Prepared: 07/14/2023 Analyzed: 07/17/2023

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 (B3G1440-BS1)

Prepared: 07/14/2023 Analyzed: 07/17/2023

Arsenic	0.0511	0.000100	mg/kg	0.0500		102	80-120
Barium	5.25	0.0100	"	5.00		105	80-120
Cadmium	0.0505	0.000100	"	0.0500		101	80-120
Copper	0.523	0.0100	"	0.500		105	80-120
Lead	0.0519	0.0100	"	0.0500		104	80-120
Nickel	0.0519	0.0100	"	0.0500		104	80-120
Selenium	0.0522	0.000100	"	0.0500		104	80-120
Silver	0.0524	0.000100	"	0.0500		105	80-120
Zinc	0.501	0.100	"	0.500		100	80-120

Matrix Spike (B3G1440-MS1)

Source: Y307311-01

Prepared: 07/14/2023 Analyzed: 07/17/2023

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

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 B3G1440 - EPA 3050B

Matrix Spike (B3G1440-MS1)		Source: Y307311-01			Prepared: 07/14/2023 Analyzed: 07/17/2023					
Arsenic	9.35	0.0941	mg/kg	4.70	4.87	95.2	75-125			
Barium	610	9.41	"	470	56.2	118	75-125			
Cadmium	4.89	0.0941	"	4.70	0.0771	102	75-125			
Copper	61.3	9.41	"	47.0	14.8	98.7	75-125			
Lead	14.8	9.41	"	4.70	9.71	108	75-125			
Nickel	19.4	9.41	"	4.70	14.9	96.4	75-125			
Selenium	4.78	0.0941	"	4.70	0.136	98.6	75-125			
Silver	4.94	0.0941	"	4.70	0.0555	104	75-125			
Zinc	84.5	94.1	"	47.0	40.8	92.8	75-125			U
Matrix Spike Dup (B3G1440-MSD1)		Source: Y307311-01			Prepared: 07/14/2023 Analyzed: 07/17/2023					
Arsenic	8.81	0.0835	mg/kg	4.18	4.87	94.2	75-125	6.01	20	
Barium	520	8.35	"	418	56.2	111	75-125	16.0	20	
Cadmium	4.36	0.0835	"	4.18	0.0771	103	75-125	11.4	20	
Copper	55.0	8.35	"	41.8	14.8	96.2	75-125	10.8	20	
Lead	14.1	8.35	"	4.18	9.71	105	75-125	4.82	20	
Nickel	18.4	8.35	"	4.18	14.9	84.2	75-125	5.38	20	
Selenium	4.06	0.0835	"	4.18	0.136	93.9	75-125	16.3	20	
Silver	4.39	0.0835	"	4.18	0.0555	104	75-125	11.9	20	
Zinc	77.3	83.5	"	41.8	40.8	87.3	75-125	8.92	20	U

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

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 B3G1501 - Saturated Paste Metals

Blank (B3G1501-BLK1)

Prepared: 07/15/2023 Analyzed: 07/17/2023

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

Duplicate (B3G1501-DUP1)

Source: Y307306-01

Prepared: 07/15/2023 Analyzed: 07/17/2023

SAR	0.00		SAR		0.331			200	200	U
Calcium PPM	56.5	10.0	mg/L		47.7			16.8	50	
Magnesium PPM	25.9	10.0	"		23.0			11.9	50	
Sodium PPM	13.0	10.0	"		11.1			15.8	50	

Batch B3G1502 - Saturated Paste Metals

Blank (B3G1502-BLK1)

Prepared: 07/15/2023 Analyzed: 07/17/2023

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 (B3G1502-DUP1)

Source: Y307165-01

Prepared: 07/15/2023 Analyzed: 07/17/2023

SAR	0.00		SAR		0.989			200	200	U
Calcium PPM	74.5	10.0	mg/L		82.8			10.6	50	
Magnesium PPM	26.2	10.0	"		28.9			9.85	50	
Sodium PPM	37.8	10.0	"		41.0			8.04	50	

Batch B3G1704 - DTPA Sorbitol Preparation

Blank (B3G1704-BLK1)

Prepared: 07/17/2023 Analyzed: 07/18/2023

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

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G1704 - DTPA Sorbitol Preparation										
Blank (B3G1704-BLK1)					Prepared: 07/17/2023 Analyzed: 07/18/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3G1704-DUP1)					Source: Y307305-01 Prepared: 07/17/2023 Analyzed: 07/18/2023					
Boron	0.569	0.0992	mg/L		0.608			6.57	50	
Batch B3G1705 - DTPA Sorbitol Preparation										
Blank (B3G1705-BLK1)					Prepared: 07/17/2023 Analyzed: 07/18/2023					
Boron	ND	0.100	mg/L							U
Duplicate (B3G1705-DUP1)					Source: Y307218-05 Prepared: 07/17/2023 Analyzed: 07/18/2023					
Boron	0.340	0.100	mg/L		0.423			21.7	50	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Wheat Ridge CO 80033

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
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Batch B3G1505 - Saturated Paste pH/EC

Blank (B3G1505-BLK1)

Prepared: 07/15/2023 Analyzed: 07/16/2023

Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
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Duplicate (B3G1505-DUP1)

Source: Y307306-01

Prepared: 07/15/2023 Analyzed: 07/16/2023

Specific Conductance (EC)	0.599	0.00500	mmhos/cm	0.489			20.2	25
pH	8.18		pH Units	8.22			0.488	25

Batch B3G1506 - Saturated Paste pH/EC

Blank (B3G1506-BLK1)

Prepared: 07/15/2023 Analyzed: 07/16/2023

Specific Conductance (EC)	ND	0.00500	mmhos/cm						U
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Duplicate (B3G1506-DUP1)

Source: Y307165-01

Prepared: 07/15/2023 Analyzed: 07/16/2023

Specific Conductance (EC)	0.885	0.00500	mmhos/cm	0.984			10.6	25
pH	8.05		pH Units	8.08			0.372	25

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

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 L693512 - 3550B

MSD (L 82159-MSD-L693512)		Source: 82159			Prepared: 07/19/2023 Analyzed: 07/19/2023					
Chrysene	0.134	0.00067	mg/Kg	0.164	<0.000624	81.7	30-130	11	30	
Pyrene	0.143	0.00067	"	0.164	<0.000643	87.1	30-130	8.7	30	
Naphthalene	0.111	0.00201	"	0.164	<0.00145	67.6	30-130	12.8	30	
Indeno(1,2,3-cd)pyrene	0.0991	0.00067	"	0.164	<0.000627	60.4	30-130	0.5	30	
Fluorene	0.146	0.00067	"	0.164	<0.000286	89	30-130	12.3	30	
Fluoranthene	0.14	0.00067	"	0.164	<0.000394	85.3	30-130	10.5	30	
Dibenz(a,h)anthracene	0.132	0.00067	"	0.164	<0.000614	80.4	30-130	7	30	
Benzo(b)fluoranthene	0.106	0.00067	"	0.164	<0.000585	64.6	30-130	9	30	
Benzo(a)pyrene	0.135	0.00067	"	0.164	<0.000468	82.3	30-130	11.7	30	
Benzo(a)anthracene	0.129	0.00067	"	0.164	<0.000493	78.6	30-130	8	30	
Anthracene	0.143	0.00067	"	0.164	<0.000334	87.1	30-130	14.2	30	
Acenaphthene	0.128	0.00067	"	0.164	<0.000304	78	30-130	12.4	30	
1-Methylnaphthalene	0.118	0.00201	"	0.164	<0.00109	71.9	30-130	12.6	30	
2-Methylnaphthalene	0.118	0.00201	"	0.164	<0.00194	71.9	30-130	14.5	30	
Benzo(k)fluoranthene	0.11	0.00067	"	0.164	<0.000437	67	30-130	1.8	30	
Surrogate: 2-Fluorobiphenyl	70.8		"	0.329	204	70.8	33-115			
Surrogate: Nitrobenzene-d5	66.5		"	0.329	190	66.5	29-110			
Surrogate: 4-Terphenyl-d14	84.8		"	0.329	237	84.8	33-122			

MS (L 82159-MS-L693512)		Source: 82159			Prepared: 07/19/2023 Analyzed: 07/19/2023					
Anthracene	0.124	0.00067	mg/Kg	0.166	<0.000334	74.6	30-130			
Dibenz(a,h)anthracene	0.123	0.00067	"	0.166	<0.000614	74	30-130			
Fluoranthene	0.126	0.00067	"	0.166	<0.000394	75.9	30-130			
Fluorene	0.129	0.00067	"	0.166	<0.000286	77.7	30-130			
Indeno(1,2,3-cd)pyrene	0.0996	0.00067	"	0.166	<0.000627	60	30-130			
Naphthalene	0.0976	0.00201	"	0.166	<0.00145	58.7	30-130			
Pyrene	0.131	0.00067	"	0.166	<0.000643	78.9	30-130			

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

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 L693512 - 3550B

MS (L 82159-MS-L693512)		Source: 82159			Prepared: 07/19/2023 Analyzed: 07/19/2023					
Chrysene	0.12	0.00067	mg/Kg	0.166	<0.000624	72.2	30-130			
Benzo(k)fluoranthene	0.112	0.00067	"	0.166	<0.000437	67.4	30-130			
Benzo(a)pyrene	0.12	0.00067	"	0.166	<0.000468	72.2	30-130			
1-Methylnaphthalene	0.104	0.00201	"	0.166	<0.00109	62.6	30-130			
2-Methylnaphthalene	0.102	0.00201	"	0.166	<0.00194	61.4	30-130			
Acenaphthene	0.113	0.00067	"	0.166	<0.000304	68	30-130			
Benzo(a)anthracene	0.119	0.00067	"	0.166	<0.000493	71.6	30-130			
Benzo(b)fluoranthene	0.116	0.00067	"	0.166	<0.000585	69.8	30-130			
Surrogate: Nitrobenzene-d5	58.3		"	0.331	190	58.3	29-110			
Surrogate: 2-Fluorobiphenyl	61		"	0.331	204	61	33-115			
Surrogate: 4-Terphenyl-d14	76.7		"	0.331	237	76.7	33-122			

LCS (LCS-L693512)		Prepared: 07/19/2023 Analyzed: 07/19/2023								
Fluoranthene	0.125	0.00067	mg/Kg	0.167		74.8	30-130			
Pyrene	0.135	0.00067	"	0.167		80.8	30-130			
Benzo(k)fluoranthene	0.119	0.00067	"	0.167		71.2	30-130			
Naphthalene	0.0989	0.00201	"	0.167		59.2	30-130			
Fluorene	0.129	0.00067	"	0.167		77.2	30-130			
Dibenz(a,h)anthracene	0.123	0.00067	"	0.167		73.6	30-130			
Chrysene	0.12	0.00067	"	0.167		71.8	30-130			
1-Methylnaphthalene	0.104	0.00201	"	0.167		62.2	30-130			
Benzo(a)pyrene	0.123	0.00067	"	0.167		73.6	30-130			
Benzo(a)anthracene	0.112	0.00067	"	0.167		67	30-130			
Anthracene	0.127	0.00067	"	0.167		76	30-130			
Acenaphthene	0.112	0.00067	"	0.167		67	30-130			
2-Methylnaphthalene	0.103	0.00201	"	0.167		61.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0996	0.00067	"	0.167		59.6	30-130			

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

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 L693512 - 3550B

LCS (LCS-L693512)

Prepared: 07/19/2023 Analyzed: 07/19/2023

Benzo(b)fluoranthene	0.124	0.00067	mg/Kg	0.167		74.2	30-130			
Surrogate: Nitrobenzene-d5	61.8		"	0.333		61.8	29-110			
Surrogate: 4-Terphenyl-d14	83.1		"	0.333		83.1	33-122			
Surrogate: 2-Fluorobiphenyl	65.7		"	0.333		65.7	33-115			

LRB (LRB-L693512)

Prepared: 07/19/2023 Analyzed: 07/19/2023

Chrysene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00201	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00201	"				-			
1-Methylnaphthalene	ND	0.00201	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	52.8		"	0.333		52.8	29-110			
Surrogate: 4-Terphenyl-d14	64.5		"	0.333		64.5	33-122			
Surrogate: 2-Fluorobiphenyl	53.7		"	0.333		53.7	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

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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August 02, 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. July 26, 2023. This project is associated with Origins project number Y307585-01.

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
FL01@4'	Y307585-01	Soil	July 26, 2023 14:30	07/26/2023 16:39
FL02@4'	Y307585-02	Soil	July 26, 2023 15:30	07/26/2023 16:39

Origins Laboratory, Inc.



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accordance with the chain of custody document. This
analytical report must be reproduced in its entirety.*

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

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

Sample Receipt Checklist

Origins Work Order: 4307585

Client: Ensolum

Client Project ID: Pace Connelly Gas Unit

Checklist Completed by: TSH/KHS

Shipped Via: HD

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

Date/time completed: 7/26/23

Airbill #: N/A

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

Cooler Number/Temperature: 1/10 °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"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)			<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 7/26/23

Origins Laboratory, Inc.

[Signature]

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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

FL01@4'

7/26/2023 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307585-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.674	0.0998	mg/L	1	B3G2713	KAP	07/27/2023	07/28/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G2632	ZZZ	07/26/2023	07/26/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	92.5 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G2631	HKS	07/26/2023	07/27/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	87.8 %	70-130			"	"	"
Surrogate: Toluene-d8	95.0 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	88.5 %	70-130			"	"	"

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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

FL01@4'

7/26/2023 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307585-01 (Soil)**Metals by Saturated Paste by EPA 6010**

Calcium	2.52	0.499	meq/L	10	[CALC]	KAP	07/27/2023	07/28/2023
Magnesium	1.36	0.823	"	"	"	KAP	"	"
Sodium	0.732	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.30		pH Units	1	B3G2715	HJD	07/27/2023	07/29/2023
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SAR by 20B Saturated Paste

SAR	0.525		SAR	1	B3G2710	KAP	07/27/2023	07/28/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.401	0.00500	mmhos/cm	1	B3G2715	HJD	07/27/2023	07/29/2023
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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

FL02@4'

7/26/2023 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307585-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.362	0.0982	mg/L	1	B3G2713	KAP	07/27/2023	07/28/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3G2632	ZZZ	07/26/2023	07/26/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	103 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3G2631	HKS	07/26/2023	07/27/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Benzene	ND	0.00200	"	"	"	HKS	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HKS	"	"	U
Naphthalene	ND	0.00380	"	"	"	HKS	"	"	U
Toluene	ND	0.00200	"	"	"	HKS	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HKS	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HKS	"	"	U

Surrogate: 1,2-Dichloroethane-d4	85.0 %	70-130			"	"	"
Surrogate: Toluene-d8	93.8 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	89.7 %	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

FL02@4'

7/26/2023 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y307585-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.55	0.499	meq/L	10	[CALC]	KAP	07/27/2023	07/28/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	ND	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.38		pH Units	1	B3G2715	HJD	07/27/2023	07/29/2023
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SAR by 20B Saturated Paste

SAR	0.215		SAR	1	B3G2710	KAP	07/27/2023	07/28/2023
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.210	0.00500	mmhos/cm	1	B3G2715	HJD	07/27/2023	07/29/2023
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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

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 B3G2631 - EPA 5030 (soil)

Blank (B3G2631-BLK1)

Prepared: 07/26/2023 Analyzed: 07/27/2023

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	0.10		"	0.125		79.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		88.7	70-130			

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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

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 B3G2631 - EPA 5030 (soil)

LCS (B3G2631-BS1)

Prepared: 07/26/2023 Analyzed: 07/27/2023

1,2,4-Trimethylbenzene	0.0996	0.00200	mg/kg	0.100		99.6	70-130			
1,3,5-Trimethylbenzene	0.100	0.00200	"	0.100		100	70-130			
Benzene	0.110	0.00200	"	0.100		110	70-130			
Ethylbenzene	0.0952	0.00200	"	0.100		95.2	70-130			
Naphthalene	0.0979	0.00380	"	0.100		97.9	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.0843	0.00200	"	0.100		84.3	70-130			
m,p-Xylene	0.186	0.00400	"	0.200		93.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.093		"	0.125		74.2	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.7	70-130			

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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

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 B3G2631 - EPA 5030 (soil)

Matrix Spike (B3G2631-MS1)		Source: Y307579-01			Prepared: 07/26/2023 Analyzed: 07/27/2023					
1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100	ND	101	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Benzene	0.112	0.00200	"	0.100	ND	112	70-130			
Ethylbenzene	0.0987	0.00200	"	0.100	ND	98.7	70-130			
Naphthalene	0.0949	0.00380	"	0.100	0.000580	94.3	70-130			
Toluene	0.103	0.00200	"	0.100	ND	103	70-130			
o-Xylene	0.0869	0.00200	"	0.100	ND	86.9	70-130			
m,p-Xylene	0.194	0.00400	"	0.200	ND	96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		79.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.7	70-130			

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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 B3G2631 - EPA 5030 (soil)

Matrix Spike Dup (B3G2631-MSD1)		Source: Y307579-01			Prepared: 07/26/2023 Analyzed: 07/27/2023					
1,2,4-Trimethylbenzene	0.0965	0.00200	mg/kg	0.100	ND	96.5	70-130	4.73	20	
1,3,5-Trimethylbenzene	0.0963	0.00200	"	0.100	ND	96.3	70-130	5.91	20	
Benzene	0.115	0.00200	"	0.100	ND	115	70-130	2.46	20	
Ethylbenzene	0.0920	0.00200	"	0.100	ND	92.0	70-130	7.07	20	
Naphthalene	0.103	0.00380	"	0.100	0.000580	102	70-130	8.05	20	
Toluene	0.107	0.00200	"	0.100	ND	107	70-130	3.80	20	
o-Xylene	0.0822	0.00200	"	0.100	ND	82.2	70-130	5.58	20	
m,p-Xylene	0.180	0.00400	"	0.200	ND	89.8	70-130	7.44	20	
Surrogate: 1,2-Dichloroethane-d4	0.099		"	0.125		78.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.0	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 B3G2632 - EPA 3550B

Blank (B3G2632-BLK1)

Prepared: 07/26/2023 Analyzed: 07/26/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		106	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 B3G2632 - EPA 3550B

LCS (B3G2632-BS1)

Prepared: 07/26/2023 Analyzed: 07/26/2023

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1070	200	"	1000		107	70-130			
Surrogate: o-Terphenyl	53		"	49.8		107	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 B3G2632 - EPA 3550B

Matrix Spike (B3G2632-MS1)		Source: Y307585-01			Prepared: 07/26/2023 Analyzed: 07/26/2023					
Diesel (C10-C28)	930	50.0	mg/kg	1000	ND	93.0	70-130			
Residual Range Organics (C28-C40)	962	200	"	1000	ND	96.2	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

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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 B3G2632 - EPA 3550B

Matrix Spike Dup (B3G2632-MSD1)		Source: Y307585-01			Prepared: 07/26/2023 Analyzed: 07/26/2023					
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130	7.54	35	
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130	7.24	35	
Surrogate: o-Terphenyl	57		"	49.8		115	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
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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 B3G2710 - Saturated Paste Metals

Blank (B3G2710-BLK1)

Prepared: 07/27/2023 Analyzed: 07/28/2023

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

Duplicate (B3G2710-DUP1)

Source: Y307498-02

Prepared: 07/27/2023 Analyzed: 07/28/2023

SAR	0.00		SAR	0.101	200	200
Calcium PPM	18.2	10.0	mg/L	22.2	19.6	50
Magnesium PPM	3.75	10.0	"	4.42	16.4	50
Sodium PPM	1.55	10.0	"	2.00	25.4	50

Batch B3G2713 - DTPA Sorbitol Preparation

Blank (B3G2713-BLK1)

Prepared: 07/27/2023 Analyzed: 07/28/2023

Boron	ND	0.100	mg/L
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Duplicate (B3G2713-DUP1)

Source: Y307448-02

Prepared: 07/27/2023 Analyzed: 07/28/2023

Boron	0.181	0.0992	mg/L	0.197	8.54	50
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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

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B3G2715 - Saturated Paste pH/EC										
Blank (B3G2715-BLK1)					Prepared: 07/27/2023 Analyzed: 07/29/2023					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
Duplicate (B3G2715-DUP1)					Source: Y307498-02 Prepared: 07/27/2023 Analyzed: 07/29/2023					
pH	8.05		pH Units		8.24			2.33	25	
Specific Conductance (EC)	0.117	0.00500	mmhos/cm		0.197			50.9	25	QR-DUP

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

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



August 18, 2023

Ensolum

Jeremy Espinoza

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - KMG - Pace Connelly Gas Unit 1 OSA Facility **Project Number - 09A1417237**

Attached are your analytical results for KMG - Pace Connelly Gas Unit 1 OSA Facility received by Origins Laboratory, Inc. August 08, 2023. This project is associated with Origins project number Y308188-01.

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
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1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1 OSA
Facility

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B22@9'	Y308188-01	Soil	August 8, 2023 12:00	08/08/2023 16:22
N09@6'	Y308188-02	Soil	August 8, 2023 12:05	08/08/2023 16:22
E14@6'	Y308188-03	Soil	August 8, 2023 12:10	08/08/2023 16:22
E15@6'	Y308188-04	Soil	August 8, 2023 12:15	08/08/2023 16:22
S11@6'	Y308188-05	Soil	August 8, 2023 12:20	08/08/2023 16:22

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 Connolly Gas Unit 1 OSA Facility

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4308188

Client: Ensolum

Client Project ID: Pace Connolly GU 1 OSA

Checklist Completed by: EHS/TSH

Shipped Via: HO
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 8/8/13

Airbill #: N/A

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

Cooler Number/Temperature: 110.1 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: 1004

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 (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analytes 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.

Sam Bynon
Reviewed by (Project Manager)

8/8/13
Date/Time Reviewed

Origins Laboratory, Inc.

Bynon

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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 OSA Facility

B22@9'

8/8/2023 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.990	0.0995	mg/L	1	B3H0912	KAP	08/09/2023	08/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H0833	ZZZ	08/08/2023	08/08/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	98.9 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H0830	HK	08/08/2023	08/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130			"	"	"	
Surrogate: Toluene-d8	93.3 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	91.6 %	70-130			"	"	"	

PAH by EPA 8270E

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 OSA Facility

B22@9'

8/8/2023 12:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-01 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3H0835	agile	08/08/2023	08/09/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	99.4 %	60-130	"	"	"
Surrogate: Anthracene-d10	97.7 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	127 %	60-130	"	"	"

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 OSA Facility

B22@9'

8/8/2023 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-01 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.50	0.0903	mg/kg	10	B3H0829	CIH	08/08/2023	08/16/2023
Barium	47.9	9.03	"	"	"	CIH	"	"
Cadmium	0.103	0.0903	"	"	"	CIH	"	"
Copper	ND	9.03	"	"	"	CIH	"	"
Lead	ND	9.03	"	"	"	CIH	"	"
Nickel	11.0	9.03	"	"	"	CIH	"	"
Selenium	0.107	0.0903	"	"	"	CIH	"	"

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 OSA Facility

N09@6'

8/8/2023 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-02 (Soil)

Boron (DTPA Sorbitol)

Boron	1.29	0.0990	mg/L	1	B3H0912	KAP	08/09/2023	08/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H0833	ZZZ	08/08/2023	08/08/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	99.3 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H0830	HK	08/08/2023	08/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"	
Surrogate: Toluene-d8	91.3 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	86.0 %	70-130			"	"	"	

PAH by EPA 8270E

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1 OSA Facility

N09@6'

8/8/2023 12:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-02 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3H0835	agile	08/08/2023	08/09/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	98.4 %	60-130	"	"	"
Surrogate: Anthracene-d10	96.2 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	102 %	60-130	"	"	"
Surrogate: Pyrene-d10	117 %	60-130	"	"	"

Origins Laboratory, Inc.



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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1 OSA Facility

N09@6'

8/8/2023 12:05:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-02 (Soil)

Table 915 metals by EPA 6020B

Arsenic	6.68	0.0862	mg/kg	10	B3H0829	CIH	08/08/2023	08/16/2023
Barium	83.3	8.62	"	"	"	CIH	"	"
Cadmium	0.0905	0.0862	"	"	"	CIH	"	"
Copper	9.38	8.62	"	"	"	CIH	"	"
Lead	ND	8.62	"	"	"	CIH	"	"
Nickel	12.2	8.62	"	"	"	CIH	"	"
Selenium	0.0931	0.0862	"	"	"	CIH	"	"

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 OSA Facility

E14@6'

8/8/2023 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-03 (Soil)

Boron (DTPA Sorbitol)

Boron	0.808	0.100	mg/L	1	B3H0912	KAP	08/09/2023	08/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H0833	ZZZ	08/08/2023	08/08/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	100 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H0830	HK	08/08/2023	08/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130			"	"	"	
Surrogate: Toluene-d8	92.2 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	89.9 %	70-130			"	"	"	

PAH by EPA 8270E

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 OSA Facility

E14@6'

8/8/2023 12:10:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-03 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3H0835	agile	08/08/2023	08/09/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	99.1 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.3 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	105 %	60-130	"	"	"
Surrogate: Pyrene-d10	120 %	60-130	"	"	"

Origins Laboratory, Inc.



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Ensolum

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Wheat Ridge CO 80033

Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1 OSA Facility

E14@6'

8/8/2023 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-03 (Soil)

Table 915 metals by EPA 6020B

Arsenic	5.02	0.0902	mg/kg	10	B3H0829	CIH	08/08/2023	08/16/2023
Barium	119	9.02	"	"	"	CIH	"	"
Cadmium	0.161	0.0902	"	"	"	CIH	"	"
Copper	ND	9.02	"	"	"	CIH	"	"
Lead	ND	9.02	"	"	"	CIH	"	"
Nickel	10.0	9.02	"	"	"	CIH	"	"
Selenium	ND	0.0902	"	"	"	CIH	"	"

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 OSA Facility

E15@6'

8/8/2023 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.826	0.0999	mg/L	1	B3H0913	KAP	08/09/2023	08/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H0833	ZZZ	08/08/2023	08/08/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	92.1 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H0830	HK	08/08/2023	08/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130			"	"	"
Surrogate: Toluene-d8	94.1 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	87.7 %	70-130			"	"	"

PAH by EPA 8270E

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 OSA Facility

E15@6'

8/8/2023 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-04 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3H0835	agile	08/08/2023	08/09/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	100 %	60-130	"	"	"
Surrogate: Anthracene-d10	98.5 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	101 %	60-130	"	"	"
Surrogate: Pyrene-d10	96.3 %	60-130	"	"	"

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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 OSA Facility

E15@6'

8/8/2023 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-04 (Soil)

Table 915 metals by EPA 6020B

Arsenic	3.99	0.0879	mg/kg	10	B3H0829	CIH	08/08/2023	08/16/2023
Barium	85.4	8.79	"	"	"	CIH	"	"
Cadmium	0.0932	0.0879	"	"	"	CIH	"	"
Copper	10.1	8.79	"	"	"	CIH	"	"
Lead	9.27	8.79	"	"	"	CIH	"	"
Nickel	12.3	8.79	"	"	"	CIH	"	"
Selenium	ND	0.0879	"	"	"	CIH	"	"

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 OSA Facility

S11@6'

8/8/2023 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.934	0.0989	mg/L	1	B3H0913	KAP	08/09/2023	08/10/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B3H0833	ZZZ	08/08/2023	08/08/2023	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ZZZ	"	"	U

Surrogate: o-Terphenyl	95.2 %	50-150			"	"	"	
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B3H0830	HK	08/08/2023	08/08/2023	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Benzene	ND	0.00200	"	"	"	HK	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	HK	"	"	U
Toluene	ND	0.00200	"	"	"	HK	"	"	U
Xylenes, total	ND	0.00200	"	"	"	HK	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	HK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130			"	"	"	
Surrogate: Toluene-d8	90.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	87.7 %	70-130			"	"	"	

PAH by EPA 8270E

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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 OSA Facility

S11@6'

8/8/2023 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-05 (Soil)

PAH by EPA 8270E

1-Methylnaphthalene	ND	0.002	mg/kg	1	B3H0835	agile	08/08/2023	08/09/2023	U
2-Methylnaphthalene	ND	0.002	"	"	"	agile	"	"	U
Acenaphthene	ND	0.020	"	"	"	agile	"	"	U
Anthracene	ND	0.020	"	"	"	agile	"	"	U
Benzo (a) anthracene	ND	0.005	"	"	"	agile	"	"	U
Benzo (a) pyrene	ND	0.020	"	"	"	agile	"	"	U
Benzo (b) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Benzo (k) fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Chrysene	ND	0.020	"	"	"	agile	"	"	U
Dibenz (a,h) anthracene	ND	0.020	"	"	"	agile	"	"	U
Fluoranthene	ND	0.020	"	"	"	agile	"	"	U
Fluorene	ND	0.020	"	"	"	agile	"	"	U
Indeno (1,2,3-cd) pyrene	ND	0.020	"	"	"	agile	"	"	U
Naphthalene	ND	0.002	"	"	"	agile	"	"	U
Pyrene	ND	0.020	"	"	"	agile	"	"	U

Surrogate: Fluorene-d10	99.2 %	60-130	"	"	"
Surrogate: Anthracene-d10	96.0 %	60-130	"	"	"
Surrogate: Benzo (a) pyrene-d12	103 %	60-130	"	"	"
Surrogate: Pyrene-d10	108 %	60-130	"	"	"

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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 OSA Facility

S11@6'

8/8/2023 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y308188-05 (Soil)

Table 915 metals by EPA 6020B

Arsenic	4.33	0.0880	mg/kg	10	B3H0829	CIH	08/08/2023	08/16/2023
Barium	114	8.80	"	"	"	CIH	"	"
Cadmium	0.160	0.0880	"	"	"	CIH	"	"
Copper	10.5	8.80	"	"	"	CIH	"	"
Lead	9.56	8.80	"	"	"	CIH	"	"
Nickel	13.4	8.80	"	"	"	CIH	"	"
Selenium	0.143	0.0880	"	"	"	CIH	"	"

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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 OSA 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
Batch B3H0830 - EPA 5030 (soil)										
Blank (B3H0830-BLK1)					Prepared: 08/08/2023 Analyzed: 08/08/2023					
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		94.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		89.4	70-130			

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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 OSA 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 B3H0830 - EPA 5030 (soil)

LCS (B3H0830-BS1)

Prepared: 08/08/2023 Analyzed: 08/08/2023

1,2,4-Trimethylbenzene	0.101	0.00200	mg/kg	0.100		101	70-130			
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100		104	70-130			
Benzene	0.0978	0.00200	"	0.100		97.8	70-130			
Ethylbenzene	0.0958	0.00200	"	0.100		95.8	70-130			
Naphthalene	0.0968	0.00380	"	0.100		96.8	70-130			
Toluene	0.0909	0.00200	"	0.100		90.9	70-130			
o-Xylene	0.0972	0.00200	"	0.100		97.2	70-130			
m,p-Xylene	0.188	0.00400	"	0.200		94.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		91.2	70-130			

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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 OSA 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 B3H0830 - EPA 5030 (soil)

Matrix Spike (B3H0830-MS1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/09/2023					
1,2,4-Trimethylbenzene	0.0833	0.00200	mg/kg	0.100	ND	83.3	70-130			
1,3,5-Trimethylbenzene	0.0838	0.00200	"	0.100	ND	83.8	70-130			
Benzene	0.0694	0.00200	"	0.100	ND	69.4	70-130			QM-07
Ethylbenzene	0.0806	0.00200	"	0.100	ND	80.6	70-130			
Naphthalene	0.0908	0.00380	"	0.100	ND	90.8	70-130			
Toluene	0.0705	0.00200	"	0.100	ND	70.5	70-130			
o-Xylene	0.0807	0.00200	"	0.100	ND	80.7	70-130			
m,p-Xylene	0.163	0.00400	"	0.200	ND	81.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

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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 OSA 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 B3H0830 - EPA 5030 (soil)

Matrix Spike Dup (B3H0830-MSD1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/08/2023					
1,2,4-Trimethylbenzene	0.103	0.00200	mg/kg	0.100	ND	103	70-130	20.9	20	QR-02
1,3,5-Trimethylbenzene	0.104	0.00200	"	0.100	ND	104	70-130	21.1	20	QR-02
Benzene	0.0946	0.00200	"	0.100	ND	94.6	70-130	30.7	20	QR-02
Ethylbenzene	0.0951	0.00200	"	0.100	ND	95.1	70-130	16.5	20	
Naphthalene	0.0971	0.00380	"	0.100	ND	97.1	70-130	6.70	20	
Toluene	0.0896	0.00200	"	0.100	ND	89.6	70-130	23.9	20	QR-02
o-Xylene	0.0982	0.00200	"	0.100	ND	98.2	70-130	19.6	20	
m,p-Xylene	0.189	0.00400	"	0.200	ND	94.6	70-130	14.9	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.11		"	0.125		90.3	70-130			

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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 OSA
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 B3H0833 - EPA 3550B

Blank (B3H0833-BLK1)

Prepared: 08/08/2023 Analyzed: 08/08/2023

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		101	50-150			

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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 OSA 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 B3H0833 - EPA 3550B

LCS (B3H0833-BS1)

Prepared: 08/08/2023 Analyzed: 08/08/2023

Diesel (C10-C28)	838	50.0	mg/kg	1000		83.8	70-130			
Residual Range Organics (C28-C40)	836	200	"	1000		83.6	70-130			
Surrogate: o-Terphenyl	46		"	49.8		93.2	50-150			

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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 OSA 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 B3H0833 - EPA 3550B

Matrix Spike (B3H0833-MS1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/08/2023					
Diesel (C10-C28)	898	50.0	mg/kg	1000	ND	89.8	70-130			
Residual Range Organics (C28-C40)	893	200	"	1000	ND	89.3	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.1	50-150			

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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 OSA 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 B3H0833 - EPA 3550B

Matrix Spike Dup (B3H0833-MSD1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/08/2023					
Diesel (C10-C28)	991	50.0	mg/kg	1000	ND	99.1	70-130	9.79	35	
Residual Range Organics (C28-C40)	993	200	"	1000	ND	99.3	70-130	10.6	35	
Surrogate: o-Terphenyl	50		"	49.8		101	50-150			

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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 OSA 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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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 B3H0829 - EPA 3050B

Blank (B3H0829-BLK1)

Prepared: 08/08/2023 Analyzed: 08/16/2023

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

LCS (B3H0829-BS1)

Prepared: 08/08/2023 Analyzed: 08/16/2023

Arsenic	0.0524	0.000100	mg/kg	0.0500	105	80-120
Barium	5.39	0.0100	"	5.00	108	80-120
Cadmium	0.0562	0.000100	"	0.0500	112	80-120
Copper	0.561	0.0100	"	0.500	112	80-120
Lead	0.0596	0.0100	"	0.0500	119	80-120
Nickel	0.0549	0.0100	"	0.0500	110	80-120
Selenium	0.0477	0.000100	"	0.0500	95.5	80-120
Silver	0.0487	0.000100	"	0.0500	97.5	80-120
Zinc	0.506	0.100	"	0.500	101	80-120

Matrix Spike (B3H0829-MS1)

Source: Y308188-01

Prepared: 08/08/2023 Analyzed: 08/16/2023

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 OSA 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
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Batch B3H0829 - EPA 3050B

Matrix Spike (B3H0829-MS1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/16/2023					
Arsenic	13.3	0.0880	mg/kg	4.40	4.50	199	75-125			QM-07
Barium	512	8.80	"	440	47.9	106	75-125			
Cadmium	4.98	0.0880	"	4.40	0.103	111	75-125			
Copper	50.7	8.80	"	44.0	7.34	98.6	75-125			
Lead	17.3	8.80	"	4.40	8.03	211	75-125			QM-07
Nickel	17.1	8.80	"	4.40	11.0	138	75-125			QM-07
Selenium	3.62	0.0880	"	4.40	0.107	79.8	75-125			
Silver	4.19	0.0880	"	4.40	0.0280	94.6	75-125			
Zinc	75.8	88.0	"	44.0	32.7	97.9	75-125			
Matrix Spike Dup (B3H0829-MSD1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/16/2023					
Arsenic	10.9	0.0846	mg/kg	4.23	4.50	151	75-125	19.8	20	QM-07
Barium	512	8.46	"	423	47.9	110	75-125	0.123	20	
Cadmium	4.73	0.0846	"	4.23	0.103	109	75-125	5.21	20	
Copper	47.1	8.46	"	42.3	7.34	94.1	75-125	7.28	20	
Lead	14.7	8.46	"	4.23	8.03	157	75-125	16.6	20	QM-07
Nickel	15.8	8.46	"	4.23	11.0	114	75-125	7.68	20	
Selenium	4.00	0.0846	"	4.23	0.107	92.0	75-125	9.96	20	
Silver	3.93	0.0846	"	4.23	0.0280	92.3	75-125	6.33	20	
Zinc	75.7	84.6	"	42.3	32.7	102	75-125	0.0432	20	

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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 OSA Facility

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3H0835 - EPA 3580

Blank (B3H0835-BLK1)

Prepared: 08/08/2023 Analyzed: 08/09/2023

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U
Surrogate: Fluorene-d10	200		ug/kg	200		98.1	60-130			
Surrogate: Anthracene-d10	190		"	200		97.2	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		100	60-130			
Surrogate: Pyrene-d10	260		"	200		128	60-130			

LCS (B3H0835-BS1)

Prepared: 08/08/2023 Analyzed: 08/09/2023

1-Methylnaphthalene	0.200	0.002	mg/kg	0.200		100	70-130
2-Methylnaphthalene	0.196	0.002	"	0.200		97.8	70-130
Acenaphthene	0.187	0.020	"	0.200		93.6	70-130
Anthracene	0.169	0.020	"	0.200		84.5	70-130

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3H0835 - EPA 3580

LCS (B3H0835-BS1)

Prepared: 08/08/2023 Analyzed: 08/09/2023

Benzo (a) anthracene	0.189	0.005	mg/kg	0.200		94.5	70-130
Benzo (a) pyrene	0.178	0.020	"	0.200		89.1	70-130
Benzo (b) fluoranthene	0.203	0.020	"	0.200		102	70-130
Benzo (g,h,i) perylene	0.189	0.020	"	0.200		94.3	70-130
Benzo (k) fluoranthene	0.218	0.020	"	0.200		109	70-130
Chrysene	0.196	0.020	"	0.200		98.2	70-130
Dibenz (a,h) anthracene	0.205	0.020	"	0.200		102	70-130
Fluoranthene	0.167	0.020	"	0.200		83.7	70-130
Fluorene	0.189	0.020	"	0.200		94.4	70-130
Indeno (1,2,3-cd) pyrene	0.187	0.020	"	0.200		93.3	70-130
Naphthalene	0.197	0.002	"	0.200		98.3	70-130
Phenanthrene	0.188	0.020	"	0.200		93.9	70-130
Pyrene	0.230	0.020	"	0.200		115	70-130
Surrogate: Fluorene-d10	200		ug/kg	200		98.0	60-130
Surrogate: Anthracene-d10	190		"	200		93.8	60-130
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130
Surrogate: Pyrene-d10	240		"	200		118	60-130

Matrix Spike (B3H0835-MS1)

Source: Y308188-01

Prepared: 08/08/2023 Analyzed: 08/09/2023

1-Methylnaphthalene	0.201	0.002	mg/kg	0.200	ND	100	70-130
2-Methylnaphthalene	0.199	0.002	"	0.200	ND	99.5	70-130
Acenaphthene	0.190	0.020	"	0.200	ND	95.2	70-130
Anthracene	0.169	0.020	"	0.200	ND	84.6	70-130
Benzo (a) anthracene	0.191	0.005	"	0.200	ND	95.5	70-130
Benzo (a) pyrene	0.192	0.020	"	0.200	ND	96.0	70-130
Benzo (b) fluoranthene	0.213	0.020	"	0.200	ND	107	70-130
Benzo (g,h,i) perylene	0.196	0.020	"	0.200	ND	97.9	70-130

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EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3H0835 - EPA 3580

Matrix Spike (B3H0835-MS1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/09/2023					
Benzo (k) fluoranthene	0.209	0.020	mg/kg	0.200	ND	105	70-130			
Chrysene	0.198	0.020	"	0.200	ND	99.2	70-130			
Dibenz (a,h) anthracene	0.222	0.020	"	0.200	ND	111	70-130			
Fluoranthene	0.178	0.020	"	0.200	ND	88.8	70-130			
Fluorene	0.190	0.020	"	0.200	ND	95.2	70-130			
Indeno (1,2,3-cd) pyrene	0.190	0.020	"	0.200	ND	94.8	70-130			
Naphthalene	0.199	0.002	"	0.200	ND	99.5	70-130			
Phenanthrene	0.193	0.020	"	0.200	ND	96.5	70-130			
Pyrene	0.235	0.020	"	0.200	ND	118	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		98.0	60-130			
Surrogate: Anthracene-d10	190		"	200		94.9	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			
Surrogate: Pyrene-d10	240		"	200		118	60-130			

Matrix Spike Dup (B3H0835-MSD1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/09/2023					
1-Methylnaphthalene	0.213	0.002	mg/kg	0.200	ND	106	70-130	5.82	20	
2-Methylnaphthalene	0.202	0.002	"	0.200	ND	101	70-130	1.24	20	
Acenaphthene	0.191	0.020	"	0.200	ND	95.5	70-130	0.345	20	
Anthracene	0.181	0.020	"	0.200	ND	90.4	70-130	6.65	20	
Benzo (a) anthracene	0.194	0.005	"	0.200	ND	96.9	70-130	1.44	20	
Benzo (a) pyrene	0.181	0.020	"	0.200	ND	90.5	70-130	5.89	20	
Benzo (b) fluoranthene	0.210	0.020	"	0.200	ND	105	70-130	1.70	20	
Benzo (g,h,i) perylene	0.190	0.020	"	0.200	ND	95.2	70-130	2.83	20	
Benzo (k) fluoranthene	0.206	0.020	"	0.200	ND	103	70-130	1.72	20	
Chrysene	0.191	0.020	"	0.200	ND	95.5	70-130	3.71	20	
Dibenz (a,h) anthracene	0.217	0.020	"	0.200	ND	109	70-130	2.30	20	
Fluoranthene	0.173	0.020	"	0.200	ND	86.5	70-130	2.65	20	

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Project: KMG - Pace Connelly Gas Unit 1 OSA Facility

EPA 8270E (SW846) - Semivolatile Organic Compounds - 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 B3H0835 - EPA 3580

Matrix Spike Dup (B3H0835-MSD1)		Source: Y308188-01			Prepared: 08/08/2023 Analyzed: 08/09/2023					
Fluorene	0.192	0.020	mg/kg	0.200	ND	95.9	70-130	0.795	20	
Indeno (1,2,3-cd) pyrene	0.209	0.020	"	0.200	ND	105	70-130	9.80	20	
Naphthalene	0.201	0.002	"	0.200	ND	101	70-130	1.19	20	
Phenanthrene	0.194	0.020	"	0.200	ND	97.0	70-130	0.499	20	
Pyrene	0.251	0.020	"	0.200	ND	125	70-130	6.33	20	
Surrogate: Fluorene-d10	200		ug/kg	200		98.7	60-130			
Surrogate: Anthracene-d10	190		"	200		95.5	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			
Surrogate: Pyrene-d10	250		"	200		126	60-130			

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Project: KMG - Pace Connelly Gas Unit 1 OSA 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
Batch B3H0912 - DTPA Sorbitol Preparation										
Blank (B3H0912-BLK1)					Prepared: 08/09/2023 Analyzed: 08/10/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3H0912-DUP1)					Source: Y308186-05 Prepared: 08/09/2023 Analyzed: 08/10/2023					
Boron	1.32	0.0984	mg/L		1.36			3.01	50	
Batch B3H0913 - DTPA Sorbitol Preparation										
Blank (B3H0913-BLK1)					Prepared: 08/09/2023 Analyzed: 08/10/2023					
Boron	ND	0.100	mg/L							
Duplicate (B3H0913-DUP1)					Source: Y308188-04 Prepared: 08/09/2023 Analyzed: 08/10/2023					
Boron	0.813	0.0981	mg/L		0.826			1.61	50	

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Jeremy Espinoza

Project Number: 09A1417237

Project: KMG - Pace Connelly Gas Unit 1 OSA
Facility

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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