

Hit Summary Sheet SW-846

SDG No.: P4860 **Order ID:** P4860
Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : DUP-01								
P4860-01	DUP-01	SOIL	Aluminum	237		2.12	4.40	mg/Kg
P4860-01	DUP-01	SOIL	Antimony	0.22	J	0.13	2.20	mg/Kg
P4860-01	DUP-01	SOIL	Barium	0.80	J	0.56	4.40	mg/Kg
P4860-01	DUP-01	SOIL	Beryllium	0.024	J	0.011	0.26	mg/Kg
P4860-01	DUP-01	SOIL	Cadmium	0.038	J	0.014	0.26	mg/Kg
P4860-01	DUP-01	SOIL	Calcium	107		2.46	87.9	mg/Kg
P4860-01	DUP-01	SOIL	Chromium	1.80		0.047	0.44	mg/Kg
P4860-01	DUP-01	SOIL	Cobalt	0.079	J	0.051	1.32	mg/Kg
P4860-01	DUP-01	SOIL	Copper	1.13		0.41	0.88	mg/Kg
P4860-01	DUP-01	SOIL	Iron	1340		2.37	4.40	mg/Kg
P4860-01	DUP-01	SOIL	Lead	0.86		0.13	0.53	mg/Kg
P4860-01	DUP-01	SOIL	Magnesium	11.6	J	3.02	87.9	mg/Kg
P4860-01	DUP-01	SOIL	Manganese	3.14		0.062	0.88	mg/Kg
P4860-01	DUP-01	SOIL	Nickel	0.30	J	0.079	1.76	mg/Kg
P4860-01	DUP-01	SOIL	Potassium	35.6	J	25.2	87.9	mg/Kg
P4860-01	DUP-01	SOIL	Vanadium	2.98		0.24	1.76	mg/Kg
P4860-01	DUP-01	SOIL	Zinc	3.98		0.097	1.76	mg/Kg
Client ID : PH2-BOT-001								
P4860-02	PH2-BOT-001	SOIL	Aluminum	802		2.07	4.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Barium	3.59	J	0.55	4.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Beryllium	0.042	J	0.010	0.26	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Cadmium	0.095	J	0.014	0.26	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Calcium	245		2.40	85.7	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Chromium	4.30		0.046	0.43	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Cobalt	0.15	J	0.050	1.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Copper	4.12		0.40	0.86	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Iron	1740		2.31	4.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Lead	3.02		0.13	0.51	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Magnesium	32.0	J	2.94	85.7	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Manganese	7.09		0.061	0.86	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Mercury	0.016		0.0060	0.012	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Nickel	1.70	J	0.077	1.71	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Potassium	54.3	J	24.6	85.7	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Silver	0.11	J	0.045	0.43	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Vanadium	3.79		0.23	1.71	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Zinc	17.9		0.094	1.71	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4860

Order ID: P4860

Client: Tetra Tech

Project ID: Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PH2-BOT-002								
P4860-03	PH2-BOT-002	SOIL	Aluminum	842		2.08	4.31	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Barium	5.21		0.55	4.31	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Beryllium	0.032	J	0.010	0.26	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Cadmium	0.093	J	0.014	0.26	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Calcium	446		2.42	86.3	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Chromium	4.64		0.047	0.43	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Cobalt	0.19	J	0.050	1.29	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Copper	6.86		0.41	0.86	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Iron	1280		2.32	4.31	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Lead	3.61		0.13	0.52	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Magnesium	77.8	J	2.96	86.3	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Manganese	6.98		0.061	0.86	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Mercury	0.025		0.0060	0.014	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Nickel	3.03		0.078	1.73	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Potassium	57.9	J	24.8	86.3	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Silver	0.19	J	0.045	0.43	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Vanadium	2.83		0.23	1.73	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Zinc	14.4		0.095	1.73	mg/Kg
Client ID : PH2-BOT-003								
P4860-04	PH2-BOT-003	SOIL	Aluminum	1300		2.16	4.48	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Arsenic	0.55	J	0.26	0.90	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Barium	3.61	J	0.57	4.48	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Beryllium	0.21	J	0.011	0.27	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Cadmium	0.36		0.014	0.27	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Calcium	348		2.51	89.7	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Chromium	17.9		0.048	0.45	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Cobalt	0.44	J	0.052	1.35	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Copper	5.12		0.42	0.90	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Iron	10100		2.41	4.48	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Lead	2.93		0.14	0.54	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Magnesium	37.6	J	3.08	89.7	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Manganese	2.89		0.064	0.90	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Mercury	0.039		0.0060	0.014	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Nickel	1.01	J	0.081	1.79	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Potassium	39.3	J	25.7	89.7	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Silver	0.094	J	0.047	0.45	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Vanadium	10.8		0.24	1.79	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Zinc	7.61		0.099	1.79	mg/Kg

Hit Summary Sheet
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SDG No.: P4860

Order ID: P4860

Client: Tetra Tech

Project ID: Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PH2-BOT-004								
P4860-05	PH2-BOT-004	SOIL	Aluminum	816		2.24	4.65	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Arsenic	0.70	J	0.27	0.93	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Barium	2.23	J	0.60	4.65	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Beryllium	0.12	J	0.011	0.28	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Cadmium	0.18	J	0.015	0.28	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Calcium	103		2.61	93.1	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Chromium	4.73		0.050	0.47	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Cobalt	0.30	J	0.054	1.40	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Copper	2.47		0.44	0.93	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Iron	5890		2.50	4.65	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Lead	1.55		0.14	0.56	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Magnesium	58.4	J	3.19	93.1	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Manganese	3.41		0.066	0.93	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Nickel	0.65	J	0.084	1.86	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Potassium	84.0	J	26.7	93.1	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Vanadium	5.62		0.25	1.86	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Zinc	4.29		0.10	1.86	mg/Kg
Client ID : PH2-BOT-009								
P4860-06	PH2-BOT-009	SOIL	Aluminum	568		2.19	4.54	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Barium	0.83	J	0.58	4.54	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Beryllium	0.083	J	0.011	0.27	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Cadmium	0.11	J	0.015	0.27	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Calcium	54.4	J	2.54	90.8	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Chromium	2.90		0.049	0.45	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Cobalt	0.15	J	0.053	1.36	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Copper	1.51		0.43	0.91	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Iron	3990		2.44	4.54	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Lead	1.08		0.14	0.55	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Magnesium	17.6	J	3.12	90.8	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Manganese	1.95		0.064	0.91	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Nickel	0.33	J	0.082	1.82	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Vanadium	3.73		0.25	1.82	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Zinc	2.73		0.10	1.82	mg/Kg
Client ID : PH2-BOT-008								
P4860-07	PH2-BOT-008	SOIL	Aluminum	564		2.12	4.40	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Barium	3.91	J	0.56	4.40	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Beryllium	0.052	J	0.011	0.26	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Cadmium	0.095	J	0.014	0.26	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4860

Order ID: P4860

Client: Tetra Tech

Project ID: Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4860-07	PH2-BOT-008	SOIL	Calcium	272		2.46	87.9	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Chromium	3.39		0.047	0.44	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Cobalt	0.23	J	0.051	1.32	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Copper	2.61		0.41	0.88	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Iron	2250		2.37	4.40	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Lead	10.2		0.13	0.53	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Magnesium	72.0	J	3.02	87.9	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Manganese	6.35		0.062	0.88	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Mercury	0.0080	J	0.0060	0.013	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Nickel	0.57	J	0.079	1.76	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Potassium	35.0	J	25.2	87.9	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Vanadium	3.70		0.24	1.76	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Zinc	7.06		0.097	1.76	mg/Kg
Client ID : PH2-BOT-007								
P4860-08	PH2-BOT-007	SOIL	Aluminum	908		2.11	4.38	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Barium	2.89	J	0.56	4.38	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Beryllium	0.090	J	0.011	0.26	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Cadmium	0.16	J	0.014	0.26	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Calcium	570		2.45	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Chromium	4.93		0.047	0.44	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Cobalt	0.23	J	0.051	1.31	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Copper	3.37		0.41	0.88	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Iron	4420		2.36	4.38	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Lead	2.07		0.13	0.53	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Magnesium	58.0	J	3.00	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Manganese	3.22		0.062	0.88	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Mercury	0.0090	J	0.0060	0.013	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Nickel	0.45	J	0.079	1.75	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Potassium	80.9	J	25.1	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Silver	0.15	J	0.046	0.44	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Sodium	56.2	J	31.6	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Vanadium	5.76		0.24	1.75	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Zinc	8.05		0.096	1.75	mg/Kg
Client ID : PH2-BOT-006								
P4860-09	PH2-BOT-006	SOIL	Aluminum	528		2.12	4.40	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Barium	0.69	J	0.56	4.40	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Beryllium	0.054	J	0.011	0.26	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Cadmium	0.097	J	0.014	0.26	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Calcium	135		2.47	88.0	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4860

Order ID: P4860

Client: Tetra Tech

Project ID: Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4860-09	PH2-BOT-006	SOIL	Chromium	7.11		0.048	0.44	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Cobalt	0.14	J	0.051	1.32	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Copper	1.78		0.41	0.88	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Iron	2880		2.37	4.40	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Lead	1.13		0.13	0.53	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Magnesium	21.3	J	3.02	88.0	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Manganese	2.65		0.063	0.88	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Mercury	0.0090	J	0.0060	0.014	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Nickel	0.40	J	0.079	1.76	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Potassium	51.7	J	25.3	88.0	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Silver	0.056	J	0.046	0.44	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Sodium	54.2	J	31.8	88.0	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Vanadium	5.99		0.24	1.76	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Zinc	4.95		0.097	1.76	mg/Kg

Client ID : PH2-BOT-005

P4860-10	PH2-BOT-005	SOIL	Aluminum	220		2.19	4.55	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Beryllium	0.029	J	0.011	0.27	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Cadmium	0.041	J	0.015	0.27	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Calcium	81.8	J	2.55	91.1	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Chromium	2.58		0.049	0.46	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Cobalt	0.073	J	0.053	1.37	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Copper	0.96		0.43	0.91	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Iron	1550		2.45	4.55	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Lead	0.55		0.14	0.55	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Magnesium	9.02	J	3.12	91.1	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Manganese	2.02		0.065	0.91	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Nickel	0.46	J	0.082	1.82	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Vanadium	3.33		0.25	1.82	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Zinc	2.59		0.10	1.82	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	237		1	2.12	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-36-0	Antimony	0.22	JN	1	0.13	2.20	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-39-3	Barium	0.80	J	1	0.56	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-41-7	Beryllium	0.024	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-43-9	Cadmium	0.038	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-70-2	Calcium	107		1	2.46	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-47-3	Chromium	1.80		1	0.047	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-48-4	Cobalt	0.079	J	1	0.051	1.32	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-50-8	Copper	1.13	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-89-6	Iron	1340		1	2.37	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-92-1	Lead	0.86		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-95-4	Magnesium	11.6	J	1	3.02	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-96-5	Manganese	3.14		1	0.062	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:18	SW7471B	
7440-02-0	Nickel	0.30	J	1	0.079	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-09-7	Potassium	35.6	J	1	25.2	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-22-4	Silver	0.046	U	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-23-5	Sodium	31.7	U	1	31.7	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-62-2	Vanadium	2.98		1	0.24	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-66-6	Zinc	3.98		1	0.097	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050

Color Before:	Light brown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	802		1	2.07	4.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.14	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-38-2	Arsenic	0.25	U	1	0.25	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-39-3	Barium	3.59	J	1	0.55	4.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-41-7	Beryllium	0.042	J	1	0.010	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-43-9	Cadmium	0.095	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-70-2	Calcium	245		1	2.40	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-47-3	Chromium	4.30		1	0.046	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-48-4	Cobalt	0.15	J	1	0.050	1.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-50-8	Copper	4.12	N	1	0.40	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-89-6	Iron	1740		1	2.31	4.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-92-1	Lead	3.02		1	0.13	0.51	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-95-4	Magnesium	32.0	J	1	2.94	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-96-5	Manganese	7.09		1	0.061	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-97-6	Mercury	0.016		1	0.0060	0.012	mg/Kg	11/21/24 14:40	11/22/24 14:27	SW7471B	
7440-02-0	Nickel	1.70	J	1	0.077	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-09-7	Potassium	54.3	J	1	24.6	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-22-4	Silver	0.11	J	1	0.045	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-23-5	Sodium	30.9	U	1	30.9	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-28-0	Thallium	0.38	U	1	0.38	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-62-2	Vanadium	3.79		1	0.23	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-66-6	Zinc	17.9		1	0.094	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050

Color Before:	Light brown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	842		1	2.08	4.31	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.16	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-38-2	Arsenic	0.25	U	1	0.25	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-39-3	Barium	5.21		1	0.55	4.31	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-41-7	Beryllium	0.032	J	1	0.010	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-43-9	Cadmium	0.093	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-70-2	Calcium	446		1	2.42	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-47-3	Chromium	4.64		1	0.047	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-48-4	Cobalt	0.19	J	1	0.050	1.29	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-50-8	Copper	6.86	N	1	0.41	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-89-6	Iron	1280		1	2.32	4.31	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-92-1	Lead	3.61		1	0.13	0.52	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-95-4	Magnesium	77.8	J	1	2.96	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-96-5	Manganese	6.98		1	0.061	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-97-6	Mercury	0.025		1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:34	SW7471B	
7440-02-0	Nickel	3.03		1	0.078	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-09-7	Potassium	57.9	J	1	24.8	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-22-4	Silver	0.19	J	1	0.045	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-23-5	Sodium	31.1	U	1	31.1	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-28-0	Thallium	0.38	U	1	0.38	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-62-2	Vanadium	2.83		1	0.23	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-66-6	Zinc	14.4		1	0.095	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1300		1	2.16	4.48	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.24	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-38-2	Arsenic	0.55	J	1	0.26	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-39-3	Barium	3.61	J	1	0.57	4.48	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-41-7	Beryllium	0.21	J	1	0.011	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-43-9	Cadmium	0.36		1	0.014	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-70-2	Calcium	348		1	2.51	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-47-3	Chromium	17.9		1	0.048	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-48-4	Cobalt	0.44	J	1	0.052	1.35	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-50-8	Copper	5.12	N	1	0.42	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-89-6	Iron	10100		1	2.41	4.48	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-92-1	Lead	2.93		1	0.14	0.54	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-95-4	Magnesium	37.6	J	1	3.08	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-96-5	Manganese	2.89		1	0.064	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-97-6	Mercury	0.039		1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:36	SW7471B	
7440-02-0	Nickel	1.01	J	1	0.081	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-09-7	Potassium	39.3	J	1	25.7	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-22-4	Silver	0.094	J	1	0.047	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-23-5	Sodium	32.4	U	1	32.4	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-62-2	Vanadium	10.8		1	0.24	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-66-6	Zinc	7.61		1	0.099	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	98.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	816		1	2.24	4.65	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.33	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-38-2	Arsenic	0.70	J	1	0.27	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-39-3	Barium	2.23	J	1	0.60	4.65	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-41-7	Beryllium	0.12	J	1	0.011	0.28	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-43-9	Cadmium	0.18	J	1	0.015	0.28	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-70-2	Calcium	103		1	2.61	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-47-3	Chromium	4.73		1	0.050	0.47	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-48-4	Cobalt	0.30	J	1	0.054	1.40	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-50-8	Copper	2.47	N	1	0.44	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-89-6	Iron	5890		1	2.50	4.65	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-92-1	Lead	1.55		1	0.14	0.56	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-95-4	Magnesium	58.4	J	1	3.19	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-96-5	Manganese	3.41		1	0.066	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:39	SW7471B	
7440-02-0	Nickel	0.65	J	1	0.084	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-09-7	Potassium	84.0	J	1	26.7	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-22-4	Silver	0.048	U	1	0.048	0.47	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-23-5	Sodium	33.6	U	1	33.6	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-28-0	Thallium	0.41	U	1	0.41	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-62-2	Vanadium	5.62		1	0.25	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-66-6	Zinc	4.29		1	0.10	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	98.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	568		1	2.19	4.54	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.27	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-39-3	Barium	0.83	J	1	0.58	4.54	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-41-7	Beryllium	0.083	J	1	0.011	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-43-9	Cadmium	0.11	J	1	0.015	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-70-2	Calcium	54.4	J	1	2.54	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-47-3	Chromium	2.90		1	0.049	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-48-4	Cobalt	0.15	J	1	0.053	1.36	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-50-8	Copper	1.51	N	1	0.43	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-89-6	Iron	3990		1	2.44	4.54	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-92-1	Lead	1.08		1	0.14	0.55	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-95-4	Magnesium	17.6	J	1	3.12	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-96-5	Manganese	1.95		1	0.064	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:41	SW7471B	
7440-02-0	Nickel	0.33	J	1	0.082	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-09-7	Potassium	26.1	U	1	26.1	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-23-5	Sodium	32.8	U	1	32.8	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-62-2	Vanadium	3.73		1	0.25	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-66-6	Zinc	2.73		1	0.10	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	564		1	2.12	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.20	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-39-3	Barium	3.91	J	1	0.56	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-41-7	Beryllium	0.052	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-43-9	Cadmium	0.095	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-70-2	Calcium	272		1	2.46	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-47-3	Chromium	3.39		1	0.047	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-48-4	Cobalt	0.23	J	1	0.051	1.32	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-50-8	Copper	2.61	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-89-6	Iron	2250		1	2.37	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-92-1	Lead	10.2		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-95-4	Magnesium	72.0	J	1	3.02	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-96-5	Manganese	6.35		1	0.062	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:43	SW7471B	
7440-02-0	Nickel	0.57	J	1	0.079	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-09-7	Potassium	35.0	J	1	25.2	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-22-4	Silver	0.046	U	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-23-5	Sodium	31.7	U	1	31.7	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-62-2	Vanadium	3.70		1	0.24	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-66-6	Zinc	7.06		1	0.097	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	98

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	908		1	2.11	4.38	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.19	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-38-2	Arsenic	0.25	U	1	0.25	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-39-3	Barium	2.89	J	1	0.56	4.38	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-41-7	Beryllium	0.090	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-43-9	Cadmium	0.16	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-70-2	Calcium	570		1	2.45	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-47-3	Chromium	4.93		1	0.047	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-48-4	Cobalt	0.23	J	1	0.051	1.31	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-50-8	Copper	3.37	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-89-6	Iron	4420		1	2.36	4.38	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-92-1	Lead	2.07		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-95-4	Magnesium	58.0	J	1	3.00	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-96-5	Manganese	3.22		1	0.062	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-97-6	Mercury	0.0090	J	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:46	SW7471B	
7440-02-0	Nickel	0.45	J	1	0.079	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-09-7	Potassium	80.9	J	1	25.1	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-22-4	Silver	0.15	J	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-23-5	Sodium	56.2	J	1	31.6	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-62-2	Vanadium	5.76		1	0.24	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-66-6	Zinc	8.05		1	0.096	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	528		1	2.12	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.20	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-39-3	Barium	0.69	J	1	0.56	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-41-7	Beryllium	0.054	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-43-9	Cadmium	0.097	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-70-2	Calcium	135		1	2.47	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-47-3	Chromium	7.11		1	0.048	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-48-4	Cobalt	0.14	J	1	0.051	1.32	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-50-8	Copper	1.78	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-89-6	Iron	2880		1	2.37	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-92-1	Lead	1.13		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-95-4	Magnesium	21.3	J	1	3.02	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-96-5	Manganese	2.65		1	0.063	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-97-6	Mercury	0.0090	J	1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:48	SW7471B	
7440-02-0	Nickel	0.40	J	1	0.079	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-09-7	Potassium	51.7	J	1	25.3	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-22-4	Silver	0.056	J	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-23-5	Sodium	54.2	J	1	31.8	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-62-2	Vanadium	5.99		1	0.24	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-66-6	Zinc	4.95		1	0.097	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	220		1	2.19	4.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.28	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-39-3	Barium	0.58	U	1	0.58	4.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-41-7	Beryllium	0.029	J	1	0.011	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-43-9	Cadmium	0.041	J	1	0.015	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-70-2	Calcium	81.8	J	1	2.55	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-47-3	Chromium	2.58		1	0.049	0.46	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-48-4	Cobalt	0.073	J	1	0.053	1.37	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-50-8	Copper	0.96	N	1	0.43	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-89-6	Iron	1550		1	2.45	4.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-92-1	Lead	0.55		1	0.14	0.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-95-4	Magnesium	9.02	J	1	3.12	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-96-5	Manganese	2.02		1	0.065	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:50	SW7471B	
7440-02-0	Nickel	0.46	J	1	0.082	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-09-7	Potassium	26.1	U	1	26.1	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.46	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-23-5	Sodium	32.9	U	1	32.9	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-62-2	Vanadium	3.33		1	0.25	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-66-6	Zinc	2.59		1	0.10	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Light Green	Clarity After:	Artifacts:	
Comments:	TCL+30/TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

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- 3a -

Client:	Tetra Tech			SDG No.:	P4860
Contract:	CORN02	Lab Code:	CHEM	Case No.:	P4860
				SAS No.:	P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB98	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:00	LB133581

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB37	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:04	LB133581
CCB38	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:32	LB133581
CCB39	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:59	LB133581
CCB40	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	15:26	LB133581
CCB41	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	15:49	LB133581

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	13:15	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	13:15	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	13:15	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	13:15	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	13:15	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	13:15	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	13:15	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Tetra Tech</u>		SDG No.: <u>P4860</u>							
Contract: <u>CORN02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4860</u>	SAS No.: <u>P4860</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	14:02	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:02	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:02	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	14:02	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	14:02	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	14:02	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	14:02	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
CCB02	Aluminum	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Antimony	4.42	+/-50.0	J	50.0	P	11/18/2024	14:35	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Barium	18.0	+/-100	J	100	P	11/18/2024	14:35	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:35	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:35	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	14:35	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	14:35	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	14:35	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Manganese	5.73	+/-20.0	J	20.0	P	11/18/2024	14:35	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech		SDG No.: P4860							
Contract: CORN02	Lab Code: CHEM	Case No.: P4860	SAS No.: P4860						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	14:35	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
	Vanadium	6.17	+/-40.0	J	40.0	P	11/18/2024	14:35	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
CCB03	Aluminum	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	15:39	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	15:39	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	15:39	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	15:39	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	15:39	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	15:39	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	15:39	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
CCB04	Aluminum	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	16:29	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	16:29	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	16:29	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	16:29	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	16:29	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	16:29	LB133502

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Client:	Tetra Tech		SDG No.:	P4860	
Contract:	CORN02	Lab Code:	CHEM	Case No.:	P4860
				SAS No.:	P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	16:29	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
CCB05	Aluminum	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	17:06	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	17:06	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	17:06	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	17:06	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	17:06	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	17:06	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	17:06	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
CCB06	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Aluminum	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	18:08	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:08	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:08	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Tetra Tech</u>		SDG No.: <u>P4860</u>							
Contract: <u>CORN02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4860</u>	SAS No.: <u>P4860</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	18:08	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	18:08	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	18:08	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	18:08	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
CCB07	Aluminum	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	18:58	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:58	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:58	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	18:58	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	18:58	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	18:58	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	18:58	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/19/2024	11:38	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	11:38	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	11:38	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	11:38	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	11:38	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	11:38	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	11:38	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	11:38	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	11:38	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	11:38	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Tetra Tech</u>		SDG No.: <u>P4860</u>							
Contract: <u>CORN02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4860</u>	SAS No.: <u>P4860</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/19/2024	12:48	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	12:48	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	12:48	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	12:48	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	12:48	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	12:48	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	12:48	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	12:48	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	12:48	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	12:48	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
CCB02	Aluminum	100	+/-100	U	100	P	11/19/2024	13:38	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	13:38	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	13:38	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	13:38	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	13:38	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	13:38	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	13:38	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	13:38	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	13:38	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech		SDG No.: P4860							
Contract: CORN02	Lab Code: CHEM	Case No.: P4860	SAS No.: P4860						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	13:38	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
CCB03	Aluminum	100	+/-100	U	100	P	11/19/2024	14:28	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	14:28	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	14:28	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	14:28	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	14:28	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	14:28	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	14:28	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	14:28	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	14:28	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	14:28	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
CCB04	Aluminum	100	+/-100	U	100	P	11/19/2024	15:36	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	15:36	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	15:36	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	15:36	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	15:36	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	15:36	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	15:36	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	15:36	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	15:36	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Tetra Tech</u>		SDG No.: <u>P4860</u>							
Contract: <u>CORN02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4860</u>	SAS No.: <u>P4860</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	15:36	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
CCB05	Aluminum	100	+/-100	U	100	P	11/19/2024	16:22	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	16:22	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	16:22	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	16:22	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	16:22	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	16:22	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	16:22	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	16:22	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	16:22	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	16:22	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
CCB06	Aluminum	100	+/-100	U	100	P	11/19/2024	17:24	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	17:24	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	17:24	LB133524
	Barium	22.0	+/-100	J	100	P	11/19/2024	17:24	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	17:24	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	17:24	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Tetra Tech</u>		SDG No.: <u>P4860</u>							
Contract: <u>CORN02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4860</u>	SAS No.: <u>P4860</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	17:24	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	17:24	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	17:24	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	17:24	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	17:24	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524
	Manganese	6.51	+/-20.0	J	20.0	P	11/19/2024	17:24	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	17:24	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	17:24	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
CCB07	Aluminum	100	+/-100	U	100	P	11/19/2024	18:05	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	18:05	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	18:05	LB133524
	Barium	25.8	+/-100	J	100	P	11/19/2024	18:05	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	18:05	LB133524
	Cadmium	0.62	+/-6.00	J	6.00	P	11/19/2024	18:05	LB133524
	Calcium	81.8	+/-2000	J	2000	P	11/19/2024	18:05	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	18:05	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	18:05	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	18:05	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	18:05	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	18:05	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	18:05	LB133524
	Manganese	7.68	+/-20.0	J	20.0	P	11/19/2024	18:05	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	18:05	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	18:05	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	18:05	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	18:05	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	18:05	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	18:05	LB133524
	Vanadium	6.34	+/-40.0	J	40.0	P	11/19/2024	18:05	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	18:05	LB133524

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech

SDG No.: P4860

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165177BL		SOLID		Batch Number:	PB165177		Prep Date:	11/21/2024	
	Mercury	0.013	<0.013	U	0.013	CV	11/22/2024	14:13	LB133581

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech

SDG No.: P4860

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165047BL	SOLID			Batch Number:	PB165047		Prep Date:	11/18/2024	
	Aluminum	4.48	<4.48	U	4.48	P	11/19/2024	17:28	LB133524
	Antimony	2.24	<2.24	U	2.24	P	11/19/2024	17:28	LB133524
	Arsenic	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Barium	4.48	<4.48	U	4.48	P	11/19/2024	17:28	LB133524
	Beryllium	0.27	<0.27	U	0.27	P	11/19/2024	17:28	LB133524
	Cadmium	0.27	<0.27	U	0.27	P	11/19/2024	17:28	LB133524
	Calcium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Chromium	0.45	<0.45	U	0.45	P	11/19/2024	17:28	LB133524
	Cobalt	1.35	<1.35	U	1.35	P	11/19/2024	17:28	LB133524
	Copper	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Iron	4.48	<4.48	U	4.48	P	11/19/2024	17:28	LB133524
	Lead	0.54	<0.54	U	0.54	P	11/19/2024	17:28	LB133524
	Magnesium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Manganese	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Nickel	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524
	Potassium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Selenium	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Silver	0.45	<0.45	U	0.45	P	11/19/2024	17:28	LB133524
	Sodium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Thallium	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524
	Vanadium	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524
	Zinc	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV98	Mercury	3.65	4.0	91	90 - 110	CV	11/22/2024	13:57	LB133581

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV37	Mercury	4.87	5.0	97	90 - 110	CV	11/22/2024	14:02	LB133581
CCV38	Mercury	4.74	5.0	95	90 - 110	CV	11/22/2024	14:30	LB133581
CCV39	Mercury	4.73	5.0	94	90 - 110	CV	11/22/2024	14:57	LB133581
CCV40	Mercury	4.97	5.0	99	90 - 110	CV	11/22/2024	15:24	LB133581
CCV41	Mercury	4.85	5.0	97	90 - 110	CV	11/22/2024	15:47	LB133581

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2680	2500	107	90 - 110	P	11/18/2024	12:57	LB133502
	Antimony	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Arsenic	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Barium	533	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Beryllium	521	510	102	90 - 110	P	11/18/2024	12:57	LB133502
	Cadmium	523	510	103	90 - 110	P	11/18/2024	12:57	LB133502
	Calcium	10400	10000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Chromium	554	520	107	90 - 110	P	11/18/2024	12:57	LB133502
	Cobalt	530	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Copper	544	510	107	90 - 110	P	11/18/2024	12:57	LB133502
	Iron	10500	10000	105	90 - 110	P	11/18/2024	12:57	LB133502
	Lead	1030	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Magnesium	6150	6000	102	90 - 110	P	11/18/2024	12:57	LB133502
	Manganese	534	520	103	90 - 110	P	11/18/2024	12:57	LB133502
	Nickel	531	530	100	90 - 110	P	11/18/2024	12:57	LB133502
	Potassium	10400	9900	105	90 - 110	P	11/18/2024	12:57	LB133502
	Selenium	1070	1000	107	90 - 110	P	11/18/2024	12:57	LB133502
	Silver	264	250	106	90 - 110	P	11/18/2024	12:57	LB133502
	Sodium	9990	10000	100	90 - 110	P	11/18/2024	12:57	LB133502
	Thallium	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Vanadium	522	500	104	90 - 110	P	11/18/2024	12:57	LB133502
	Zinc	1080	1000	108	90 - 110	P	11/18/2024	12:57	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	104	100	104	80 - 120	P	11/18/2024	13:11	LB133502
	Antimony	49.6	50.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Arsenic	18.9	20.0	94	80 - 120	P	11/18/2024	13:11	LB133502
	Barium	101	100	101	80 - 120	P	11/18/2024	13:11	LB133502
	Beryllium	6.06	6.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Cadmium	6.99	6.0	116	80 - 120	P	11/18/2024	13:11	LB133502
	Calcium	2060	2000	103	80 - 120	P	11/18/2024	13:11	LB133502
	Chromium	10.5	10.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Cobalt	29.4	30.0	98	80 - 120	P	11/18/2024	13:11	LB133502
	Copper	22.1	20.0	110	80 - 120	P	11/18/2024	13:11	LB133502
	Iron	100	100	100	80 - 120	P	11/18/2024	13:11	LB133502
	Lead	12.1	12.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Magnesium	2050	2000	102	80 - 120	P	11/18/2024	13:11	LB133502
	Manganese	20.8	20.0	104	80 - 120	P	11/18/2024	13:11	LB133502
	Nickel	39.0	40.0	97	80 - 120	P	11/18/2024	13:11	LB133502
	Potassium	1900	2000	95	80 - 120	P	11/18/2024	13:11	LB133502
	Selenium	20.9	20.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Silver	10.8	10.0	108	80 - 120	P	11/18/2024	13:11	LB133502
	Sodium	1650	2000	82	80 - 120	P	11/18/2024	13:11	LB133502
	Thallium	39.6	40.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Vanadium	40.1	40.0	100	80 - 120	P	11/18/2024	13:11	LB133502
	Zinc	43.9	40.0	110	80 - 120	P	11/18/2024	13:11	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	11/18/2024	13:52	LB133502
	Antimony	5090	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Arsenic	4990	5000	100	90 - 110	P	11/18/2024	13:52	LB133502
	Barium	9590	10000	96	90 - 110	P	11/18/2024	13:52	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	13:52	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Calcium	24300	25000	97	90 - 110	P	11/18/2024	13:52	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Cobalt	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	13:52	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Lead	4930	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Magnesium	24500	25000	98	90 - 110	P	11/18/2024	13:52	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	13:52	LB133502
	Nickel	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Potassium	24900	25000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Selenium	5110	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Silver	1250	1250	100	90 - 110	P	11/18/2024	13:52	LB133502
	Sodium	24500	25000	98	90 - 110	P	11/18/2024	13:52	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	13:52	LB133502
	Vanadium	2470	2500	99	90 - 110	P	11/18/2024	13:52	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	13:52	LB133502
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Antimony	5150	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Arsenic	5030	5000	101	90 - 110	P	11/18/2024	14:31	LB133502
	Barium	9540	10000	95	90 - 110	P	11/18/2024	14:31	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	14:31	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Calcium	24500	25000	98	90 - 110	P	11/18/2024	14:31	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	14:31	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	14:31	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24700	25000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	14:31	LB133502
	Nickel	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Potassium	25400	25000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Selenium	5160	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Silver	1260	1250	100	90 - 110	P	11/18/2024	14:31	LB133502
	Sodium	24400	25000	98	90 - 110	P	11/18/2024	14:31	LB133502
	Thallium	5110	5000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Vanadium	2500	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	14:31	LB133502
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Antimony	5130	5000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Arsenic	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Barium	9430	10000	94	90 - 110	P	11/18/2024	15:35	LB133502
	Beryllium	239	250	96	90 - 110	P	11/18/2024	15:35	LB133502
	Cadmium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Calcium	23900	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	15:35	LB133502
	Iron	4850	5000	97	90 - 110	P	11/18/2024	15:35	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	15:35	LB133502
	Magnesium	24100	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Manganese	2320	2500	93	90 - 110	P	11/18/2024	15:35	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Potassium	24900	25000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Selenium	5130	5000	103	90 - 110	P	11/18/2024	15:35	LB133502
	Silver	1240	1250	100	90 - 110	P	11/18/2024	15:35	LB133502
	Sodium	24100	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Thallium	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
CCV04	Vanadium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	15:35	LB133502
	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Antimony	5140	5000	103	90 - 110	P	11/18/2024	16:25	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
 Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5020	5000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Barium	9440	10000	94	90 - 110	P	11/18/2024	16:25	LB133502
	Beryllium	241	250	96	90 - 110	P	11/18/2024	16:25	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Calcium	24000	25000	96	90 - 110	P	11/18/2024	16:25	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	16:25	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Copper	1270	1250	102	90 - 110	P	11/18/2024	16:25	LB133502
	Iron	4880	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Magnesium	24400	25000	97	90 - 110	P	11/18/2024	16:25	LB133502
	Manganese	2310	2500	92	90 - 110	P	11/18/2024	16:25	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Potassium	24900	25000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Selenium	5210	5000	104	90 - 110	P	11/18/2024	16:25	LB133502
	Silver	1260	1250	101	90 - 110	P	11/18/2024	16:25	LB133502
	Sodium	24000	25000	96	90 - 110	P	11/18/2024	16:25	LB133502
	Thallium	5310	5000	106	90 - 110	P	11/18/2024	16:25	LB133502
	Vanadium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	16:25	LB133502
CCV05	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Antimony	5270	5000	105	90 - 110	P	11/18/2024	17:01	LB133502
	Arsenic	5120	5000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Barium	9720	10000	97	90 - 110	P	11/18/2024	17:01	LB133502
	Beryllium	246	250	98	90 - 110	P	11/18/2024	17:01	LB133502
	Cadmium	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Calcium	24400	25000	98	90 - 110	P	11/18/2024	17:01	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	17:01	LB133502
	Cobalt	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Copper	1300	1250	104	90 - 110	P	11/18/2024	17:01	LB133502
	Iron	4970	5000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Lead	5000	5000	100	90 - 110	P	11/18/2024	17:01	LB133502
	Magnesium	24700	25000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	17:01	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Potassium	25600	25000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Selenium	5040	5000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Silver	1280	1250	102	90 - 110	P	11/18/2024	17:01	LB133502
	Sodium	25200	25000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	17:01	LB133502
	Vanadium	2510	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	17:01	LB133502
CCV06	Aluminum	10100	10000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Antimony	5200	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Arsenic	5080	5000	102	90 - 110	P	11/18/2024	18:04	LB133502
	Barium	9550	10000	96	90 - 110	P	11/18/2024	18:04	LB133502
	Beryllium	245	250	98	90 - 110	P	11/18/2024	18:04	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Calcium	24400	25000	97	90 - 110	P	11/18/2024	18:04	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Iron	4960	5000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Magnesium	24600	25000	98	90 - 110	P	11/18/2024	18:04	LB133502
	Manganese	2360	2500	94	90 - 110	P	11/18/2024	18:04	LB133502
	Nickel	2490	2500	99	90 - 110	P	11/18/2024	18:04	LB133502
	Potassium	25300	25000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Selenium	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Silver	1270	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Sodium	24700	25000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Thallium	5170	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Vanadium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	18:04	LB133502
CCV07	Aluminum	10500	10000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Antimony	5440	5000	109	90 - 110	P	11/18/2024	18:54	LB133502
	Arsenic	5290	5000	106	90 - 110	P	11/18/2024	18:54	LB133502
	Barium	9680	10000	97	90 - 110	P	11/18/2024	18:54	LB133502

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	251	250	100	90 - 110	P	11/18/2024	18:54	LB133502
	Cadmium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Calcium	25000	25000	100	90 - 110	P	11/18/2024	18:54	LB133502
	Chromium	1070	1000	107	90 - 110	P	11/18/2024	18:54	LB133502
	Cobalt	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Copper	1330	1250	106	90 - 110	P	11/18/2024	18:54	LB133502
	Iron	5050	5000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Lead	5140	5000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Magnesium	25300	25000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Manganese	2410	2500	96	90 - 110	P	11/18/2024	18:54	LB133502
	Nickel	2560	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Potassium	25800	25000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Selenium	5260	5000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Silver	1300	1250	104	90 - 110	P	11/18/2024	18:54	LB133502
	Sodium	24400	25000	97	90 - 110	P	11/18/2024	18:54	LB133502
	Thallium	5370	5000	108	90 - 110	P	11/18/2024	18:54	LB133502
	Vanadium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Zinc	2650	2500	106	90 - 110	P	11/18/2024	18:54	LB133502

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2650	2500	106	90 - 110	P	11/19/2024	11:25	LB133524
	Antimony	1010	1000	101	90 - 110	P	11/19/2024	11:25	LB133524
	Arsenic	1020	1000	102	90 - 110	P	11/19/2024	11:25	LB133524
	Barium	542	520	104	90 - 110	P	11/19/2024	11:25	LB133524
	Beryllium	536	510	105	90 - 110	P	11/19/2024	11:25	LB133524
	Cadmium	526	510	103	90 - 110	P	11/19/2024	11:25	LB133524
	Calcium	10700	10000	107	90 - 110	P	11/19/2024	11:25	LB133524
	Chromium	551	520	106	90 - 110	P	11/19/2024	11:25	LB133524
	Cobalt	531	520	102	90 - 110	P	11/19/2024	11:25	LB133524
	Copper	538	510	105	90 - 110	P	11/19/2024	11:25	LB133524
	Iron	10400	10000	104	90 - 110	P	11/19/2024	11:25	LB133524
	Lead	1040	1000	104	90 - 110	P	11/19/2024	11:25	LB133524
	Magnesium	6280	6000	105	90 - 110	P	11/19/2024	11:25	LB133524
	Manganese	550	520	106	90 - 110	P	11/19/2024	11:25	LB133524
	Nickel	532	530	100	90 - 110	P	11/19/2024	11:25	LB133524
	Potassium	10000	9900	101	90 - 110	P	11/19/2024	11:25	LB133524
	Selenium	1040	1000	104	90 - 110	P	11/19/2024	11:25	LB133524
	Silver	261	250	105	90 - 110	P	11/19/2024	11:25	LB133524
	Sodium	9760	10000	98	90 - 110	P	11/19/2024	11:25	LB133524
	Thallium	1090	1000	109	90 - 110	P	11/19/2024	11:25	LB133524
	Vanadium	524	500	105	90 - 110	P	11/19/2024	11:25	LB133524
	Zinc	1060	1000	106	90 - 110	P	11/19/2024	11:25	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
 Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
 Initial Calibration Source: EPA
 Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	104	100	104	80 - 120	P	11/19/2024	11:34	LB133524
	Antimony	51.1	50.0	102	80 - 120	P	11/19/2024	11:34	LB133524
	Arsenic	20.5	20.0	102	80 - 120	P	11/19/2024	11:34	LB133524
	Barium	104	100	104	80 - 120	P	11/19/2024	11:34	LB133524
	Beryllium	5.85	6.0	98	80 - 120	P	11/19/2024	11:34	LB133524
	Cadmium	5.89	6.0	98	80 - 120	P	11/19/2024	11:34	LB133524
	Calcium	2090	2000	105	80 - 120	P	11/19/2024	11:34	LB133524
	Chromium	10.7	10.0	107	80 - 120	P	11/19/2024	11:34	LB133524
	Cobalt	29.9	30.0	100	80 - 120	P	11/19/2024	11:34	LB133524
	Copper	22.3	20.0	112	80 - 120	P	11/19/2024	11:34	LB133524
	Iron	100	100	100	80 - 120	P	11/19/2024	11:34	LB133524
	Lead	12.4	12.0	103	80 - 120	P	11/19/2024	11:34	LB133524
	Magnesium	2040	2000	102	80 - 120	P	11/19/2024	11:34	LB133524
	Manganese	21.4	20.0	107	80 - 120	P	11/19/2024	11:34	LB133524
	Nickel	39.7	40.0	99	80 - 120	P	11/19/2024	11:34	LB133524
	Potassium	1920	2000	96	80 - 120	P	11/19/2024	11:34	LB133524
	Selenium	20.6	20.0	103	80 - 120	P	11/19/2024	11:34	LB133524
	Silver	10.1	10.0	101	80 - 120	P	11/19/2024	11:34	LB133524
	Sodium	1820	2000	91	80 - 120	P	11/19/2024	11:34	LB133524
	Thallium	39.2	40.0	98	80 - 120	P	11/19/2024	11:34	LB133524
	Vanadium	40.3	40.0	101	80 - 120	P	11/19/2024	11:34	LB133524
	Zinc	45.8	40.0	114	80 - 120	P	11/19/2024	11:34	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9940	10000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Antimony	4980	5000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Arsenic	4970	5000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Barium	10000	10000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Beryllium	249	250	100	90 - 110	P	11/19/2024	12:43	LB133524
	Cadmium	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Calcium	24800	25000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Chromium	996	1000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Cobalt	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Copper	1260	1250	101	90 - 110	P	11/19/2024	12:43	LB133524
	Iron	4880	5000	98	90 - 110	P	11/19/2024	12:43	LB133524
	Lead	4990	5000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Magnesium	24800	25000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Manganese	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Nickel	2500	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Potassium	24200	25000	97	90 - 110	P	11/19/2024	12:43	LB133524
	Selenium	4950	5000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Silver	1230	1250	98	90 - 110	P	11/19/2024	12:43	LB133524
	Sodium	24200	25000	97	90 - 110	P	11/19/2024	12:43	LB133524
	Thallium	5030	5000	101	90 - 110	P	11/19/2024	12:43	LB133524
	Vanadium	2500	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Zinc	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
CCV02	Aluminum	10600	10000	106	90 - 110	P	11/19/2024	13:34	LB133524
	Antimony	5360	5000	107	90 - 110	P	11/19/2024	13:34	LB133524
	Arsenic	5320	5000	106	90 - 110	P	11/19/2024	13:34	LB133524
	Barium	10300	10000	103	90 - 110	P	11/19/2024	13:34	LB133524
	Beryllium	262	250	105	90 - 110	P	11/19/2024	13:34	LB133524
	Cadmium	2610	2500	104	90 - 110	P	11/19/2024	13:34	LB133524
	Calcium	26100	25000	104	90 - 110	P	11/19/2024	13:34	LB133524
	Chromium	1070	1000	107	90 - 110	P	11/19/2024	13:34	LB133524
	Cobalt	2620	2500	105	90 - 110	P	11/19/2024	13:34	LB133524
	Copper	1350	1250	108	90 - 110	P	11/19/2024	13:34	LB133524
	Iron	5270	5000	105	90 - 110	P	11/19/2024	13:34	LB133524
	Lead	5240	5000	105	90 - 110	P	11/19/2024	13:34	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	26200	25000	105	90 - 110	P	11/19/2024	13:34	LB133524
	Manganese	2580	2500	103	90 - 110	P	11/19/2024	13:34	LB133524
	Nickel	2620	2500	105	90 - 110	P	11/19/2024	13:34	LB133524
	Potassium	26300	25000	105	90 - 110	P	11/19/2024	13:34	LB133524
	Selenium	5340	5000	107	90 - 110	P	11/19/2024	13:34	LB133524
	Silver	1320	1250	106	90 - 110	P	11/19/2024	13:34	LB133524
	Sodium	25900	25000	103	90 - 110	P	11/19/2024	13:34	LB133524
	Thallium	5230	5000	104	90 - 110	P	11/19/2024	13:34	LB133524
	Vanadium	2640	2500	105	90 - 110	P	11/19/2024	13:34	LB133524
	Zinc	2680	2500	107	90 - 110	P	11/19/2024	13:34	LB133524
CCV03	Aluminum	10400	10000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Antimony	5130	5000	103	90 - 110	P	11/19/2024	14:24	LB133524
	Arsenic	5110	5000	102	90 - 110	P	11/19/2024	14:24	LB133524
	Barium	10300	10000	102	90 - 110	P	11/19/2024	14:24	LB133524
	Beryllium	266	250	106	90 - 110	P	11/19/2024	14:24	LB133524
	Cadmium	2590	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Calcium	26000	25000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Chromium	1040	1000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Cobalt	2600	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Copper	1300	1250	104	90 - 110	P	11/19/2024	14:24	LB133524
	Iron	4990	5000	100	90 - 110	P	11/19/2024	14:24	LB133524
	Lead	5200	5000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Magnesium	26000	25000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Manganese	2590	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Nickel	2600	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Potassium	24600	25000	98	90 - 110	P	11/19/2024	14:24	LB133524
	Selenium	5080	5000	102	90 - 110	P	11/19/2024	14:24	LB133524
	Silver	1280	1250	102	90 - 110	P	11/19/2024	14:24	LB133524
	Sodium	24500	25000	98	90 - 110	P	11/19/2024	14:24	LB133524
	Thallium	5160	5000	103	90 - 110	P	11/19/2024	14:24	LB133524
CCV04	Vanadium	2600	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Zinc	2590	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Aluminum	10400	10000	104	90 - 110	P	11/19/2024	15:31	LB133524
	Antimony	5290	5000	106	90 - 110	P	11/19/2024	15:31	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5260	5000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Barium	10500	10000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Beryllium	261	250	104	90 - 110	P	11/19/2024	15:31	LB133524
	Cadmium	2610	2500	104	90 - 110	P	11/19/2024	15:31	LB133524
	Calcium	25800	25000	103	90 - 110	P	11/19/2024	15:31	LB133524
	Chromium	1050	1000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Cobalt	2610	2500	105	90 - 110	P	11/19/2024	15:31	LB133524
	Copper	1330	1250	106	90 - 110	P	11/19/2024	15:31	LB133524
	Iron	5080	5000	102	90 - 110	P	11/19/2024	15:31	LB133524
	Lead	5230	5000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Magnesium	25800	25000	103	90 - 110	P	11/19/2024	15:31	LB133524
	Manganese	2570	2500	103	90 - 110	P	11/19/2024	15:31	LB133524
	Nickel	2620	2500	105	90 - 110	P	11/19/2024	15:31	LB133524
	Potassium	25500	25000	102	90 - 110	P	11/19/2024	15:31	LB133524
	Selenium	5280	5000	106	90 - 110	P	11/19/2024	15:31	LB133524
	Silver	1290	1250	103	90 - 110	P	11/19/2024	15:31	LB133524
	Sodium	25600	25000	102	90 - 110	P	11/19/2024	15:31	LB133524
	Thallium	5410	5000	108	90 - 110	P	11/19/2024	15:31	LB133524
	Vanadium	2610	2500	104	90 - 110	P	11/19/2024	15:31	LB133524
	Zinc	2620	2500	105	90 - 110	P	11/19/2024	15:31	LB133524
CCV05	Aluminum	10400	10000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Antimony	5220	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Arsenic	5210	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Barium	10300	10000	103	90 - 110	P	11/19/2024	16:18	LB133524
	Beryllium	257	250	103	90 - 110	P	11/19/2024	16:18	LB133524
	Cadmium	2580	2500	103	90 - 110	P	11/19/2024	16:18	LB133524
	Calcium	25600	25000	102	90 - 110	P	11/19/2024	16:18	LB133524
	Chromium	1050	1000	105	90 - 110	P	11/19/2024	16:18	LB133524
	Cobalt	2580	2500	103	90 - 110	P	11/19/2024	16:18	LB133524
	Copper	1310	1250	105	90 - 110	P	11/19/2024	16:18	LB133524
	Iron	5140	5000	103	90 - 110	P	11/19/2024	16:18	LB133524
	Lead	5170	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Magnesium	25600	25000	102	90 - 110	P	11/19/2024	16:18	LB133524
	Manganese	2540	2500	102	90 - 110	P	11/19/2024	16:18	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech SDG No.: P4860
Contract: CORN02 Lab Code: CHEM Case No.: P4860 SAS No.: P4860
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2590	2500	104	90 - 110	P	11/19/2024	16:18	LB133524
	Potassium	25700	25000	103	90 - 110	P	11/19/2024	16:18	LB133524
	Selenium	5240	5000	105	90 - 110	P	11/19/2024	16:18	LB133524
	Silver	1290	1250	103	90 - 110	P	11/19/2024	16:18	LB133524
	Sodium	25300	25000	101	90 - 110	P	11/19/2024	16:18	LB133524
	Thallium	5210	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Vanadium	2590	2500	104	90 - 110	P	11/19/2024	16:18	LB133524
	Zinc	2640	2500	106	90 - 110	P	11/19/2024	16:18	LB133524
CCV06	Aluminum	10500	10000	105	90 - 110	P	11/19/2024	17:19	LB133524
	Antimony	5280	5000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Arsenic	5270	5000	105	90 - 110	P	11/19/2024	17:19	LB133524
	Barium	10400	10000	104	90 - 110	P	11/19/2024	17:19	LB133524
	Beryllium	261	250	104	90 - 110	P	11/19/2024	17:19	LB133524
	Cadmium	2610	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Calcium	25800	25000	103	90 - 110	P	11/19/2024	17:19	LB133524
	Chromium	1060	1000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Cobalt	2600	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Copper	1330	1250	106	90 - 110	P	11/19/2024	17:19	LB133524
	Iron	5190	5000	104	90 - 110	P	11/19/2024	17:19	LB133524
	Lead	5240	5000	105	90 - 110	P	11/19/2024	17:19	LB133524
	Magnesium	25800	25000	103	90 - 110	P	11/19/2024	17:19	LB133524
	Manganese	2540	2500	102	90 - 110	P	11/19/2024	17:19	LB133524
	Nickel	2610	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Potassium	25900	25000	104	90 - 110	P	11/19/2024	17:19	LB133524
	Selenium	5310	5000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Silver	1310	1250	105	90 - 110	P	11/19/2024	17:19	LB133524
	Sodium	25900	25000	103	90 - 110	P	11/19/2024	17:19	LB133524
	Thallium	5300	5000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Vanadium	2600	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Zinc	2680	2500	107	90 - 110	P	11/19/2024	17:19	LB133524
CCV07	Aluminum	10300	10000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Antimony	5080	5000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Arsenic	5070	5000	101	90 - 110	P	11/19/2024	18:01	LB133524
	Barium	10600	10000	106	90 - 110	P	11/19/2024	18:01	LB133524

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	256	250	102	90 - 110	P	11/19/2024	18:01	LB133524
	Cadmium	2490	2500	99	90 - 110	P	11/19/2024	18:01	LB133524
	Calcium	25100	25000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Chromium	1020	1000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Cobalt	2490	2500	100	90 - 110	P	11/19/2024	18:01	LB133524
	Copper	1290	1250	104	90 - 110	P	11/19/2024	18:01	LB133524
	Iron	4990	5000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Lead	5020	5000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Magnesium	25100	25000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Manganese	2600	2500	104	90 - 110	P	11/19/2024	18:01	LB133524
	Nickel	2500	2500	100	90 - 110	P	11/19/2024	18:01	LB133524
	Potassium	25200	25000	101	90 - 110	P	11/19/2024	18:01	LB133524
	Selenium	5100	5000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Silver	1270	1250	101	90 - 110	P	11/19/2024	18:01	LB133524
	Sodium	25600	25000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Thallium	4940	5000	99	90 - 110	P	11/19/2024	18:01	LB133524
	Vanadium	2540	2500	102	90 - 110	P	11/19/2024	18:01	LB133524
	Zinc	2480	2500	99	90 - 110	P	11/19/2024	18:01	LB133524



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	107	100	107	40 - 160	P	11/18/2024	13:20	LB133502
	Antimony	51.5	50.0	103	40 - 160	P	11/18/2024	13:20	LB133502
	Arsenic	19.8	20.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Barium	98.9	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Beryllium	5.98	6.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Cadmium	7.02	6.0	117	40 - 160	P	11/18/2024	13:20	LB133502
	Calcium	2040	2000	102	40 - 160	P	11/18/2024	13:20	LB133502
	Chromium	10.5	10.0	105	40 - 160	P	11/18/2024	13:20	LB133502
	Cobalt	29.7	30.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Copper	22.7	20.0	113	40 - 160	P	11/18/2024	13:20	LB133502
	Iron	99.2	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Lead	11.7	12.0	97	40 - 160	P	11/18/2024	13:20	LB133502
	Magnesium	2030	2000	102	40 - 160	P	11/18/2024	13:20	LB133502
	Manganese	20.0	20.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Nickel	39.4	40.0	98	40 - 160	P	11/18/2024	13:20	LB133502
	Potassium	1920	2000	96	40 - 160	P	11/18/2024	13:20	LB133502
	Selenium	21.8	20.0	109	40 - 160	P	11/18/2024	13:20	LB133502
	Silver	11.0	10.0	110	40 - 160	P	11/18/2024	13:20	LB133502
	Sodium	1640	2000	82	40 - 160	P	11/18/2024	13:20	LB133502
	Thallium	40.7	40.0	102	40 - 160	P	11/18/2024	13:20	LB133502
	Vanadium	41.7	40.0	104	40 - 160	P	11/18/2024	13:20	LB133502
	Zinc	44.6	40.0	111	40 - 160	P	11/18/2024	13:20	LB133502
CRI01	Aluminum	107	100	107	40 - 160	P	11/19/2024	11:43	LB133524
	Antimony	49.1	50.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Arsenic	19.4	20.0	97	40 - 160	P	11/19/2024	11:43	LB133524
	Barium	105	100	105	40 - 160	P	11/19/2024	11:43	LB133524
	Beryllium	5.90	6.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Cadmium	5.78	6.0	96	40 - 160	P	11/19/2024	11:43	LB133524
	Calcium	2070	2000	104	40 - 160	P	11/19/2024	11:43	LB133524
	Chromium	10.2	10.0	102	40 - 160	P	11/19/2024	11:43	LB133524
	Cobalt	29.6	30.0	99	40 - 160	P	11/19/2024	11:43	LB133524
	Copper	22.2	20.0	111	40 - 160	P	11/19/2024	11:43	LB133524
	Iron	96.0	100	96	40 - 160	P	11/19/2024	11:43	LB133524
	Lead	12.1	12.0	101	40 - 160	P	11/19/2024	11:43	LB133524
	Magnesium	2050	2000	102	40 - 160	P	11/19/2024	11:43	LB133524
	Manganese	21.1	20.0	106	40 - 160	P	11/19/2024	11:43	LB133524

Metals

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Nickel	39.1	40.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Potassium	1920	2000	96	40 - 160	P	11/19/2024	11:43	LB133524
	Selenium	18.1	20.0	90	40 - 160	P	11/19/2024	11:43	LB133524
	Silver	10.1	10.0	101	40 - 160	P	11/19/2024	11:43	LB133524
	Sodium	1810	2000	90	40 - 160	P	11/19/2024	11:43	LB133524
	Thallium	39.1	40.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Vanadium	39.6	40.0	99	40 - 160	P	11/19/2024	11:43	LB133524
	Zinc	42.4	40.0	106	40 - 160	P	11/19/2024	11:43	LB133524
CRA	Mercury	0.22	0.2	112	40 - 160	CV	11/22/2024	14:07	LB133581

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	255000	255000	100	216000	294000	11/18/2024	13:30	LB133502
	Antimony	-3.34			-50	50	11/18/2024	13:30	LB133502
	Arsenic	6.18			-20	20	11/18/2024	13:30	LB133502
	Barium	2.50	6.0	42	-94	106	11/18/2024	13:30	LB133502
	Beryllium	1.39			-6	6	11/18/2024	13:30	LB133502
	Cadmium	4.50	1.0	450	-5	7	11/18/2024	13:30	LB133502
	Calcium	234000	245000	96	208000	282000	11/18/2024	13:30	LB133502
	Chromium	56.3	52.0	108	42	62	11/18/2024	13:30	LB133502
	Cobalt	1.87			-30	30	11/18/2024	13:30	LB133502
	Copper	14.3	2.0	715	-18	22	11/18/2024	13:30	LB133502
	Iron	96400	101000	95	85600	116500	11/18/2024	13:30	LB133502
	Lead	8.39			-12	12	11/18/2024	13:30	LB133502
	Magnesium	257000	255000	101	216000	294000	11/18/2024	13:30	LB133502
	Manganese	3.33	7.0	48	-13	27	11/18/2024	13:30	LB133502
	Nickel	2.89	2.0	144	-38	42	11/18/2024	13:30	LB133502
	Potassium	43.3			0	0	11/18/2024	13:30	LB133502
	Selenium	-16.2			-20	20	11/18/2024	13:30	LB133502
	Silver	-0.11			-10	10	11/18/2024	13:30	LB133502
	Sodium	-43.4			0	0	11/18/2024	13:30	LB133502
	Thallium	-4.41			-40	40	11/18/2024	13:30	LB133502
	Vanadium	7.77			-40	40	11/18/2024	13:30	LB133502
	Zinc	5.14			-40	40	11/18/2024	13:30	LB133502
ICSAB01	Aluminum	263000	247000	106	209000	285000	11/18/2024	13:42	LB133502
	Antimony	633	618	102	525	711	11/18/2024	13:42	LB133502
	Arsenic	116	104	112	88.4	120	11/18/2024	13:42	LB133502
	Barium	493	537	92	437	637	11/18/2024	13:42	LB133502
	Beryllium	495	495	100	420	570	11/18/2024	13:42	LB133502
	Cadmium	1020	972	105	826	1120	11/18/2024	13:42	LB133502
	Calcium	238000	235000	101	199000	271000	11/18/2024	13:42	LB133502
	Chromium	579	542	107	460	624	11/18/2024	13:42	LB133502
	Cobalt	508	476	107	404	548	11/18/2024	13:42	LB133502
	Copper	506	511	99	434	588	11/18/2024	13:42	LB133502
	Iron	98700	99300	99	84400	114500	11/18/2024	13:42	LB133502
	Lead	57.7	49.0	118	37	61	11/18/2024	13:42	LB133502
	Magnesium	262000	248000	106	210000	286000	11/18/2024	13:42	LB133502
	Manganese	475	507	94	430	584	11/18/2024	13:42	LB133502
	Nickel	1000	954	105	810	1100	11/18/2024	13:42	LB133502
	Potassium	-18.9			0	0	11/18/2024	13:42	LB133502
	Selenium	32.7	46.0	71	26	66	11/18/2024	13:42	LB133502
	Silver	202	201	100	170	232	11/18/2024	13:42	LB133502
	Sodium	-170			0	0	11/18/2024	13:42	LB133502
	Thallium	91.6	108	85	68	148	11/18/2024	13:42	LB133502

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	499	491	102	417	565	11/18/2024	13:42	LB133502
	Zinc	894	952	94	809	1095	11/18/2024	13:42	LB133502
ICSA01	Aluminum	263000	255000	103	216000	294000	11/19/2024	11:47	LB133524
	Antimony	-1.78			-50	50	11/19/2024	11:47	LB133524
	Arsenic	3.30			-20	20	11/19/2024	11:47	LB133524
	Barium	5.39	6.0	90	-94	106	11/19/2024	11:47	LB133524
	Beryllium	1.27			-6	6	11/19/2024	11:47	LB133524
	Cadmium	3.48	1.0	348	-5	7	11/19/2024	11:47	LB133524
	Calcium	251000	245000	102	208000	282000	11/19/2024	11:47	LB133524
	Chromium	57.2	52.0	110	42	62	11/19/2024	11:47	LB133524
	Cobalt	2.14			-30	30	11/19/2024	11:47	LB133524
	Copper	7.48	2.0	374	-18	22	11/19/2024	11:47	LB133524
	Iron	98200	101000	97	85600	116500	11/19/2024	11:47	LB133524
	Lead	8.06			-12	12	11/19/2024	11:47	LB133524
	Magnesium	274000	255000	108	216000	294000	11/19/2024	11:47	LB133524
	Manganese	4.02	7.0	57	-13	27	11/19/2024	11:47	LB133524
	Nickel	2.06	2.0	103	-38	42	11/19/2024	11:47	LB133524
	Potassium	43.8			0	0	11/19/2024	11:47	LB133524
	Selenium	-17.4			-20	20	11/19/2024	11:47	LB133524
	Silver	-0.45			-10	10	11/19/2024	11:47	LB133524
	Sodium	49.8			0	0	11/19/2024	11:47	LB133524
	Thallium	-3.78			-40	40	11/19/2024	11:47	LB133524
	Vanadium	7.04			-40	40	11/19/2024	11:47	LB133524
	Zinc	5.70			-40	40	11/19/2024	11:47	LB133524
ICSAB01	Aluminum	265000	247000	107	209000	285000	11/19/2024	11:51	LB133524
	Antimony	626	618	101	525	711	11/19/2024	11:51	LB133524
	Arsenic	116	104	112	88.4	120	11/19/2024	11:51	LB133524
	Barium	525	537	98	437	637	11/19/2024	11:51	LB133524
	Beryllium	524	495	106	420	570	11/19/2024	11:51	LB133524
	Cadmium	832	972	86	826	1120	11/19/2024	11:51	LB133524
	Calcium	250000	235000	106	199000	271000	11/19/2024	11:51	LB133524
	Chromium	571	542	105	460	624	11/19/2024	11:51	LB133524
	Cobalt	518	476	109	404	548	11/19/2024	11:51	LB133524
	Copper	493	511	96	434	588	11/19/2024	11:51	LB133524
	Iron	99700	99300	100	84400	114500	11/19/2024	11:51	LB133524
	Lead	57.8	49.0	118	37	61	11/19/2024	11:51	LB133524
	Magnesium	273000	248000	110	210000	286000	11/19/2024	11:51	LB133524
	Manganese	509	507	100	430	584	11/19/2024	11:51	LB133524
	Nickel	1020	954	107	810	1100	11/19/2024	11:51	LB133524
	Potassium	62.1			0	0	11/19/2024	11:51	LB133524
	Selenium	31.5	46.0	68	26	66	11/19/2024	11:51	LB133524
	Silver	201	201	100	170	232	11/19/2024	11:51	LB133524

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	62.8			0	0	11/19/2024	11:51	LB133524
	Thallium	91.5	108	85	68	148	11/19/2024	11:51	LB133524
	Vanadium	509	491	104	417	565	11/19/2024	11:51	LB133524
	Zinc	1090	952	114	809	1095	11/19/2024	11:51	LB133524



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	<u>Tetra Tech</u>	level:	<u>low</u>	sdg no.:	<u>P4860</u>	
contract:	<u>CORN02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4860</u>	sas no.: <u>P4860</u>
matrix:	<u>Solid</u>	sample id:	<u>P4860-01</u>	client id:	<u>DUP-01MS</u>	
Percent Solids for Sample:	96.8	Spiked ID:	P4860-01MS	Percent Solids for Spike Sample:	96.8	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.013	U	0.27	93		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Tetra Tech</u>	level: <u>low</u>	sdg no.: <u>P4860</u>
contract: <u>CORN02</u>	lab code: <u>CHEM</u>	case no.: <u>P4860</u> sas no.: <u>P4860</u>
matrix: <u>Solid</u>	sample id: <u>P4860-01</u>	client id: <u>DUP-01MSD</u>
Percent Solids for Sample: 96.8	Spiked ID: P4860-01MSD	Percent Solids for Spike Sample: 96.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.26		0.013	U	0.27	95		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech **level:** low **sdg no.:** P4860
contract: CORN02 **lab code:** CHEM **case no.:** P4860 **sas no.:** P4860
matrix: Solid **sample id:** P4889-05 **client id:** #72-11930MS
Percent Solids for Sample: 93.4 **Spiked ID:** P4889-05MS **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6620		5730		93.5	950		P
Antimony	mg/Kg	75 - 125	19.3		2.39	U	37.4	52	N	P
Arsenic	mg/Kg	75 - 125	31.9		2.76		37.4	78		P
Barium	mg/Kg	75 - 125	47.6		38.5		9.4	97		P
Beryllium	mg/Kg	75 - 125	7.87		0.46		9.4	79		P
Cadmium	mg/Kg	75 - 125	9.09		0.68		9.4	89		P
Calcium	mg/Kg	75 - 125	1160		1040		46.8	253		P
Chromium	mg/Kg	75 - 125	25.9		9.39		18.7	88		P
Cobalt	mg/Kg	75 - 125	13.0		4.00		9.4	96		P
Copper	mg/Kg	75 - 125	27.0		17.5		14.0	68	N	P
Iron	mg/Kg	75 - 125	7810		6970		140	604		P
Lead	mg/Kg	75 - 125	99.2		56.5		46.8	91		P
Magnesium	mg/Kg	75 - 125	1580		1350		93.5	250		P
Manganese	mg/Kg	75 - 125	192		167		9.4	264		P
Nickel	mg/Kg	75 - 125	30.3		8.65		23.4	93		P
Potassium	mg/Kg	75 - 125	936		516		470	89		P
Selenium	mg/Kg	75 - 125	67.5		0.41	J	93.5	72	N	P
Silver	mg/Kg	75 - 125	2.96		0.12	J	3.5	81		P
Sodium	mg/Kg	75 - 125	273		155		140	84		P
Thallium	mg/Kg	75 - 125	79.1		1.91	U	93.5	85		P
Vanadium	mg/Kg	75 - 125	25.4		13.1		14.0	88		P
Zinc	mg/Kg	75 - 125	75.4		63.1		9.4	131		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech **level:** low **sdg no.:** P4860
contract: CORN02 **lab code:** CHEM **case no.:** P4860 **sas no.:** P4860
matrix: Solid **sample id:** P4889-05 **client id:** #72-11930MSD
Percent Solids for Sample: 93.4 **Spiked ID:** P4889-05MSD **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6510		5730		92.3	845		P
Antimony	mg/Kg	75 - 125	19.1		2.39	U	36.9	52	N	P
Arsenic	mg/Kg	75 - 125	31.4		2.76		36.9	78		P
Barium	mg/Kg	75 - 125	47.4		38.5		9.2	96		P
Beryllium	mg/Kg	75 - 125	7.81		0.46		9.2	80		P
Cadmium	mg/Kg	75 - 125	8.99		0.68		9.2	90		P
Calcium	mg/Kg	75 - 125	1130		1040		46.1	180		P
Chromium	mg/Kg	75 - 125	25.8		9.39		18.5	89		P
Cobalt	mg/Kg	75 - 125	12.9		4.00		9.2	96		P
Copper	mg/Kg	75 - 125	26.7		17.5		13.8	67	N	P
Iron	mg/Kg	75 - 125	7720		6970		140	537		P
Lead	mg/Kg	75 - 125	98.3		56.5		46.1	91		P
Magnesium	mg/Kg	75 - 125	1560		1350		92.3	231		P
Manganese	mg/Kg	75 - 125	189		167		9.2	243		P
Nickel	mg/Kg	75 - 125	30.0		8.65		23.1	93		P
Potassium	mg/Kg	75 - 125	924		516		460	89		P
Selenium	mg/Kg	75 - 125	66.6		0.41	J	92.3	72	N	P
Silver	mg/Kg	75 - 125	2.93		0.12	J	3.5	80		P
Sodium	mg/Kg	75 - 125	268		155		140	80		P
Thallium	mg/Kg	75 - 125	80.0		1.91	U	92.3	87		P
Vanadium	mg/Kg	75 - 125	25.1		13.1		13.8	88		P
Zinc	mg/Kg	75 - 125	73.5		63.1		9.2	113		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Tetra Tech</u>	SDG No.: <u>P4860</u>	
Contract: <u>CORN02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4860</u> SAS No.: <u>P4860</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>#72-11930A</u>
Sample ID: <u>P4889-05</u>	Spiked ID: <u>P4889-05A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	18.8		2.39	U	38.2	49		P
Copper	mg/Kg	75 - 125	26.0		17.5		14.3	59		P
Selenium	mg/Kg	75 - 125	65.7		0.41	J	95.6	68		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4860</u>
Contract:	<u>CORN02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4860</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4860-01</u>	Client ID:	<u>DUP-01DUP</u>
Percent Solids for Sample:	96.8	Duplicate ID	P4860-01DUP	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.013	U	0.013	U			CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Tetra Tech</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4860</u>
Contract:	<u>CORN02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4860</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4860-01MS</u>	Client ID:	<u>DUP-01MSD</u>
Percent Solids for Sample:	96.8	Duplicate ID	P4860-01MSD	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.26		3		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech **Level:** LOW **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Matrix: Solid **Sample ID:** P4889-05 **Client ID:** #72-11930DUP
Percent Solids for Sample: 93.4 **Duplicate ID** P4889-05DUP **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5730		5930		3		P
Antimony	mg/Kg	20	2.39	U	2.46	U			P
Arsenic	mg/Kg	20	2.76		2.89		5		P
Barium	mg/Kg	20	38.5		39.6		3		P
Beryllium	mg/Kg	20	0.46		0.47		2		P
Cadmium	mg/Kg	20	0.68		0.75		10		P
Calcium	mg/Kg	20	1040		1040		0		P
Chromium	mg/Kg	20	9.39		9.88		5		P
Cobalt	mg/Kg	20	4.00		4.28		7		P
Copper	mg/Kg	20	17.5		18.7		7		P
Iron	mg/Kg	20	6970		7270		4		P
Lead	mg/Kg	20	56.5		60.4		7		P
Magnesium	mg/Kg	20	1350		1390		3		P
Manganese	mg/Kg	20	167		172		3		P
Nickel	mg/Kg	20	8.65		9.19		6		P
Potassium	mg/Kg	20	516		544		5		P
Selenium	mg/Kg	20	0.41	J	0.39	J	3		P
Silver	mg/Kg	20	0.12	J	0.11	J	9		P
Sodium	mg/Kg	20	155		158		2		P
Thallium	mg/Kg	20	1.91	U	1.96	U			P
Vanadium	mg/Kg	20	13.1		13.5		3		P
Zinc	mg/Kg	20	63.1		64.0		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech **Level:** LOW **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860
Matrix: Solid **Sample ID:** P4889-05MS **Client ID:** #72-11930MSD
Percent Solids for Sample: 93.4 **Duplicate ID** P4889-05MSD **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6620		6510		2		P
Antimony	mg/Kg	20	19.3		19.1		1		P
Arsenic	mg/Kg	20	31.9		31.4		2		P
Barium	mg/Kg	20	47.6		47.4		0		P
Beryllium	mg/Kg	20	7.87		7.81		1		P
Cadmium	mg/Kg	20	9.09		8.99		1		P
Calcium	mg/Kg	20	1160		1130		3		P
Chromium	mg/Kg	20	25.9		25.8		0		P
Cobalt	mg/Kg	20	13.0		12.9		1		P
Copper	mg/Kg	20	27.0		26.7		1		P
Iron	mg/Kg	20	7810		7720		1		P
Lead	mg/Kg	20	99.2		98.3		1		P
Magnesium	mg/Kg	20	1580		1560		1		P
Manganese	mg/Kg	20	192		189		2		P
Nickel	mg/Kg	20	30.3		30.0		1		P
Potassium	mg/Kg	20	936		924		1		P
Selenium	mg/Kg	20	67.5		66.6		1		P
Silver	mg/Kg	20	2.96		2.93		1		P
Sodium	mg/Kg	20	273		268		2		P
Thallium	mg/Kg	20	79.1		80.0		1		P
Vanadium	mg/Kg	20	25.4		25.1		1		P
Zinc	mg/Kg	20	75.4		73.5		3		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165047BS							
Aluminum	mg/Kg	89.7	95.0		106	80 - 120	P
Antimony	mg/Kg	35.9	36.4		101	80 - 120	P
Arsenic	mg/Kg	35.9	37.2		104	80 - 120	P
Barium	mg/Kg	9.0	9.72		108	80 - 120	P
Beryllium	mg/Kg	9.0	10.1		112	80 - 120	P
Cadmium	mg/Kg	9.0	9.45		105	80 - 120	P
Calcium	mg/Kg	44.8	50.5	J	113	80 - 120	P
Chromium	mg/Kg	17.9	19.3		108	80 - 120	P
Cobalt	mg/Kg	9.0	9.50		106	80 - 120	P
Copper	mg/Kg	13.5	14.8		110	80 - 120	P
Iron	mg/Kg	130	138		106	80 - 120	P
Lead	mg/Kg	44.8	47.2		105	80 - 120	P
Magnesium	mg/Kg	89.7	96.1		107	80 - 120	P
Manganese	mg/Kg	9.0	9.98		111	80 - 120	P
Nickel	mg/Kg	22.4	23.8		106	80 - 120	P
Potassium	mg/Kg	450	440		98	80 - 120	P
Selenium	mg/Kg	89.7	93.6		104	80 - 120	P
Silver	mg/Kg	3.4	3.53		104	80 - 120	P
Sodium	mg/Kg	130	128		98	80 - 120	P
Thallium	mg/Kg	89.7	101		113	80 - 120	P
Vanadium	mg/Kg	13.5	14.6		108	80 - 120	P
Zinc	mg/Kg	9.0	9.92		110	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech **SDG No.:** P4860
Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165177BS Mercury	mg/Kg	0.26	0.24		94	80 - 120	CV

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

DUP-01L

Lab Name: Chemtech Consulting Group

Contract: CORN02

Lab Code: CHEM **Lb No.:** lb133581 **Lab Sample ID :** P4860-01L **SDG No.:** P4860

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.013 U	0.066 U			CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

#72-11930L

Lab Name: Chemtech Consulting Group

Contract: CORN02

Lab Code: CHEM Lb No.: lb133502 Lab Sample ID : P4889-05L SDG No.: P4860

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	5730		6710		17		P
Antimony	2.39	U	11.9	U			P
Arsenic	2.76		2.30	J	17		P
Barium	38.5		44.1		14		P
Beryllium	0.46		0.58	J	25		P
Cadmium	0.68		0.52	J	23		P
Calcium	1040		1220		17		P
Chromium	9.39		11.4		21		P
Cobalt	4.00		4.35	J	9		P
Copper	17.5		22.9		31		P
Iron	6970		8270		19		P
Lead	56.5		64.3		14		P
Magnesium	1350		1600		19		P
Manganese	167		202		21		P
Nickel	8.65		9.41	J	9		P
Potassium	516		586		14		P
Selenium	0.41	J	4.78	U	100.0		P
Silver	0.12	J	2.39	U	100.0		P
Sodium	155		478	U	100.0		P
Thallium	1.91	U	9.56	U			P
Vanadium	13.1		15.8		21		P
Zinc	63.1		73.8		17		P

metals
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ANALYSIS RUN LOG

Client: Tetra Tech **Contract:** CORN02

Lab code: CHEM **Case no.:** P4860 **Sas no.:** P4860 **Sdg no.:** P4860

Instrument id number: **Method:** **Run number:** LB133502

Start date: 11/18/2024 **End date:** 11/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1231	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1236	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1240	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1244	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1249	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1253	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1257	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1311	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1315	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1320	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1342	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1352	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1402	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1431	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1535	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1625	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1629	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1706	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1804	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1808	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05DUP	#72-11930DUP	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05L	#72-11930L	5	1837	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05MS	#72-11930MS	1	1842	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05MSD	#72-11930MSD	1	1846	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05A	#72-11930A	1	1850	Cu,Sb,Se
CCV07	CCV07	1	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Tetra Tech **Contract:** CORN02

Lab code: CHEM **Case no.:** P4860 **Sas no.:** P4860 **Sdg no.:** P4860

Instrument id number: **Method:** **Run number:** LB133524

Start date: 11/19/2024 **End date:** 11/19/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1055	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1100	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1104	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1108	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1113	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1117	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1125	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1134	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1138	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1143	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1151	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1243	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1248	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1334	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1338	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1531	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-01	DUP-01	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-02	PH2-BOT-001	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-03	PH2-BOT-002	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-04	PH2-BOT-003	1	1614	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1618	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1622	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-05	PH2-BOT-004	1	1627	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-06	PH2-BOT-009	1	1631	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-07	PH2-BOT-008	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-08	PH2-BOT-007	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-09	PH2-BOT-006	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-10	PH2-BOT-005	1	1648	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1719	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1724	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165047BL	PB165047BL	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165047BS	PB165047BS	1	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1801	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Tetra Tech **Contract:** CORN02

Lab code: CHEM **Case no.:** P4860 **Sas no.:** P4860 **Sdg no.:** P4860

Instrument id number: **Method:** **Run number:** LB133581

Start date: 11/22/2024 **End date:** 11/22/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1337	HG
S0.2	S0.2	1	1340	HG
S2.5	S2.5	1	1342	HG
S5	S5	1	1344	HG
S7.5	S7.5	1	1349	HG
S10	S10	1	1355	HG
ICV98	ICV98	1	1357	HG
ICB98	ICB98	1	1400	HG
CCV37	CCV37	1	1402	HG
CCB37	CCB37	1	1404	HG
CRA	CRA	1	1407	HG
PB165177BL	PB165177BL	1	1413	HG
PB165177BS	PB165177BS	1	1416	HG
P4860-01	DUP-01	1	1418	HG
P4860-01DUP	DUP-01DUP	1	1420	HG
P4860-01MS	DUP-01MS	1	1423	HG
P4860-01MSD	DUP-01MSD	1	1425	HG
P4860-02	PH2-BOT-001	1	1427	HG
CCV38	CCV38	1	1430	HG
CCB38	CCB38	1	1432	HG
P4860-03	PH2-BOT-002	1	1434	HG
P4860-04	PH2-BOT-003	1	1436	HG
P4860-05	PH2-BOT-004	1	1439	HG
P4860-06	PH2-BOT-009	1	1441	HG
P4860-07	PH2-BOT-008	1	1443	HG
P4860-08	PH2-BOT-007	1	1446	HG
P4860-09	PH2-BOT-006	1	1448	HG
P4860-10	PH2-BOT-005	1	1450	HG
CCV39	CCV39	1	1457	HG
CCB39	CCB39	1	1459	HG
CCV40	CCV40	1	1524	HG
CCB40	CCB40	1	1526	HG
P4860-01L	DUP-01L	5	1538	HG
CCV41	CCV41	1	1547	HG
CCB41	CCB41	1	1549	HG



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech

SDG No.: P4860

Contract: CORN02

Lab Code: CHEM

Case No.: P4860

SAS No.: P4860

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech

SDG No.: P4860

Contract: CORN02

Lab Code: CHEM

Case No.: P4860

SAS No.: P4860

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech

SDG No.: P4860

Contract: CORN02

Lab Code: CHEM

Case No.: P4860

SAS No.: P4860

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech

SDG No.: P4860

Contract: CORN02

Lab Code: CHEM

Case No.: P4860

SAS No.: P4860

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Tetra Tech

SDG No.: P4860

Contract: CORN02

Lab Code: CHEM

Case No.: P4860

SAS No.: P4860

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	P4860	OrderDate:	11/14/2024 1:36:41 PM
Client:	Tetra Tech	Project:	Ocean County Landfill 2024
Contact:	John Giuliano	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	DUP-01	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-02	PH2-BOT-001	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-03	PH2-BOT-002	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-04	PH2-BOT-003	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-05	PH2-BOT-004	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-06	PH2-BOT-009	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-07	PH2-BOT-008	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-08	PH2-BOT-007	SOIL			11/14/24			11/14/24
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-09	PH2-BOT-006	SOIL			11/14/24			11/14/24

LAB CHRONICLE							
P4860-10	PH2-BOT-005	SOIL	Mercury	7471B		11/21/24	11/22/24
			Metals ICP-TAL	6010D		11/18/24	11/19/24
					11/14/24		11/14/24
			Mercury	7471B		11/21/24	11/22/24
			Metals ICP-TAL	6010D		11/18/24	11/19/24

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B

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D

E

F

G

H

I

J



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech

SDG No.: P4860

Contract: CORN02

Lab Code: CHEM

Method:

Case No.: P4860

SAS No.: P4860

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165047							
P4860-01	DUP-01	SAM	SOLID	11/18/2024	2.35	100.0	96.80
P4860-02	PH2-BOT-001	SAM	SOLID	11/18/2024	2.41	100.0	96.80
P4860-03	PH2-BOT-002	SAM	SOLID	11/18/2024	2.40	100.0	96.60
P4860-04	PH2-BOT-003	SAM	SOLID	11/18/2024	2.28	100.0	97.80
P4860-05	PH2-BOT-004	SAM	SOLID	11/18/2024	2.19	100.0	98.10
P4860-06	PH2-BOT-009	SAM	SOLID	11/18/2024	2.24	100.0	98.30
P4860-07	PH2-BOT-008	SAM	SOLID	11/18/2024	2.35	100.0	96.80
P4860-08	PH2-BOT-007	SAM	SOLID	11/18/2024	2.33	100.0	98.00
P4860-09	PH2-BOT-006	SAM	SOLID	11/18/2024	2.33	100.0	97.50
P4860-10	PH2-BOT-005	SAM	SOLID	11/18/2024	2.25	100.0	97.60
P4889-05DUP	#72-11930DUP	DUP	SOLID	11/18/2024	2.18	100.0	93.40
P4889-05MS	#72-11930MS	MS	SOLID	11/18/2024	2.29	100.0	93.40
P4889-05MSD	#72-11930MSD	MSD	SOLID	11/18/2024	2.32	100.0	93.40
PB165047BL	PB165047BL	MB	SOLID	11/18/2024	2.23	100.0	100.00
PB165047BS	PB165047BS	LCS	SOLID	11/18/2024	2.23	100.0	100.00

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>Tetra Tech</u>	SDG No.:	<u>P4860</u>
Contract:	<u>CORN02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4860</u>
		SAS No.:	<u>P4860</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165177							
P4860-01	DUP-01	SAM	SOLID	11/21/2024	0.55	35.0	96.80
P4860-01DUP	DUP-01DUP	DUP	SOLID	11/21/2024	0.57	35.0	96.80
P4860-01MS	DUP-01MS	MS	SOLID	11/21/2024	0.53	35.0	96.80
P4860-01MSD	DUP-01MSD	MSD	SOLID	11/21/2024	0.53	35.0	96.80
P4860-02	PH2-BOT-001	SAM	SOLID	11/21/2024	0.58	35.0	96.80
P4860-03	PH2-BOT-002	SAM	SOLID	11/21/2024	0.52	35.0	96.60
P4860-04	PH2-BOT-003	SAM	SOLID	11/21/2024	0.50	35.0	97.80
P4860-05	PH2-BOT-004	SAM	SOLID	11/21/2024	0.54	35.0	98.10
P4860-06	PH2-BOT-009	SAM	SOLID	11/21/2024	0.50	35.0	98.30
P4860-07	PH2-BOT-008	SAM	SOLID	11/21/2024	0.55	35.0	96.80
P4860-08	PH2-BOT-007	SAM	SOLID	11/21/2024	0.57	35.0	98.00
P4860-09	PH2-BOT-006	SAM	SOLID	11/21/2024	0.52	35.0	97.50
P4860-10	PH2-BOT-005	SAM	SOLID	11/21/2024	0.55	35.0	97.60
PB165177BL	PB165177BL	MB	SOLID	11/21/2024	0.52	35.0	100.00
PB165177BS	PB165177BS	LCS	SOLID	11/21/2024	0.54	35.0	100.00

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/18/24 12:31		Kareem	OK
2	S1	S1	CAL2	11/18/24 12:36		Kareem	OK
3	S2	S2	CAL3	11/18/24 12:40		Kareem	OK
4	S3	S3	CAL4	11/18/24 12:44		Kareem	OK
5	S4	S4	CAL5	11/18/24 12:49		Kareem	OK
6	S5	S5	CAL6	11/18/24 12:53		Kareem	OK
7	ICV01	ICV01	ICV	11/18/24 12:57		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/18/24 13:11		Kareem	OK
9	ICB01	ICB01	ICB	11/18/24 13:15		Kareem	OK
10	CRI01	CRI01	CRDL	11/18/24 13:20		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/18/24 13:30		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/18/24 13:42		Kareem	OK
13	CCV01	CCV01	CCV	11/18/24 13:52		Kareem	OK
14	CCB01	CCB01	CCB	11/18/24 14:02		Kareem	OK
15	P4857-01	ETGI-328	SAM	11/18/24 14:06		Kareem	OK
16	P4857-03	VNJ-226	SAM	11/18/24 14:10		Kareem	OK
17	P4859-01	NB-08-111424	SAM	11/18/24 14:14		Kareem	OK
18	P4867-02	TT-070-IDWGW-2024	SAM	11/18/24 14:18		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

19	P4867-03	TT-071-IDWGW-2024	SAM	11/18/24 14:23		Kareem	OK
20	P4867-04	TT-072-IDWGW-2024	SAM	11/18/24 14:27		Kareem	OK
21	CCV02	CCV02	CCV	11/18/24 14:31		Kareem	OK
22	CCB02	CCB02	CCB	11/18/24 14:35		Kareem	OK
23	PB165011BL	PB165011BL	MB	11/18/24 14:40	Not Use	Kareem	Not Ok
24	PB165011BS	PB165011BS	LCS	11/18/24 14:45	Not Use	Kareem	Not Ok
25	PB165003BL	PB165003BL	MB	11/18/24 14:49		Kareem	OK
26	PB165003BS	PB165003BS	LCS	11/18/24 14:53	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
27	P4848-01	TP-1	SAM	11/18/24 15:10	Cr high	Kareem	Dilution
28	P4849-01	RR-1	SAM	11/18/24 15:14		Kareem	OK
29	P4850-01	OR-03-11142024	SAM	11/18/24 15:18		Kareem	OK
30	P4851-01	OK-02-11142024	SAM	11/18/24 15:22		Kareem	OK
31	P4852-01	COMP-1	SAM	11/18/24 15:26		Kareem	OK
32	P4852-02	COMP-2	SAM	11/18/24 15:31		Kareem	OK
33	CCV03	CCV03	CCV	11/18/24 15:35		Kareem	OK
34	CCB03	CCB03	CCB	11/18/24 15:39		Kareem	OK
35	P4852-03	COMP-3	SAM	11/18/24 15:43		Kareem	OK
36	P4859-01DUP	NB-08-111424DUP	DUP	11/18/24 15:48		Kareem	OK
37	P4859-01L	NB-08-111424L	SD	11/18/24 15:52		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

38	P4859-01MS	NB-08-111424MS	MS	11/18/24 15:56	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
39	P4859-01MSD	NB-08-111424MSD	MSD	11/18/24 16:00	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
40	P4859-01A	NB-08-111424A	PS	11/18/24 16:04	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
41	P4868-01	RW5-SP100-2024111	SAM	11/18/24 16:08		Kareem	OK
42	P4868-03	RW5-SP303-2024111	SAM	11/18/24 16:12		Kareem	OK
43	P4868-03DUP	RW5-SP303-2024111	DUP	11/18/24 16:16		Kareem	OK
44	P4868-03MSD	RW5-SP303-2024111	MSD	11/18/24 16:21	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
45	CCV04	CCV04	CCV	11/18/24 16:25		Kareem	OK
46	CCB04	CCB04	CCB	11/18/24 16:29		Kareem	OK
47	P4848-01DL	TP-1DL	SAM	11/18/24 16:33	10x for Cr	Kareem	Confirms
48	P4868-03A	RW5-SP303-2024111	PS	11/18/24 16:37	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
49	P4868-03L	RW5-SP303-2024111	SD	11/18/24 16:41		Kareem	OK
50	P4868-03MS	RW5-SP303-2024111	MS	11/18/24 16:46	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
51	LR1	LR1	HIGH STD	11/18/24 16:51		Kareem	OK
52	LR2	LR2	HIGH STD	11/18/24 16:56		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

53	CCV05	CCV05	CCV	11/18/24 17:01		Kareem	OK
54	CCB05	CCB05	CCB	11/18/24 17:06		Kareem	OK
55	P4861-01	WC-11-A-202411	SAM	11/18/24 17:27		Kareem	OK
56	P4861-01DUP	WC-11-A-202411DUP	DUP	11/18/24 17:31		Kareem	OK
57	P4861-01L	WC-11-A-202411L	SD	11/18/24 17:35		Kareem	OK
58	P4861-01MS	WC-11-A-202411MS	MS	11/18/24 17:40	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
59	P4861-01MSD	WC-11-A-202411MSD	MSD	11/18/24 17:44	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
60	P4861-01A	WC-11-A-202411A	PS	11/18/24 17:48	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
61	P4871-01	WC-10-A-202411	SAM	11/18/24 17:51		Kareem	OK
62	P4848-02	TP-1	SAM	11/18/24 17:56		Kareem	OK
63	P4869-01	EO-02-11152024	SAM	11/18/24 18:00		Kareem	OK
64	CCV06	CCV06	CCV	11/18/24 18:04		Kareem	OK
65	CCB06	CCB06	CCB	11/18/24 18:08		Kareem	OK
66	P4887-01	MH-739	SAM	11/18/24 18:13		Kareem	OK
67	P4887-05	MH-760	SAM	11/18/24 18:17		Kareem	OK
68	P4889-01	VNJ-228	SAM	11/18/24 18:21		Kareem	OK
69	P4889-03	#72-11978	SAM	11/18/24 18:25		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

70	P4889-05	#72-11930	SAM	11/18/24 18:29		Kareem	OK
71	P4889-05DUP	#72-11930DUP	DUP	11/18/24 18:33		Kareem	OK
72	P4889-05L	#72-11930L	SD	11/18/24 18:37		Kareem	OK
73	P4889-05MS	#72-11930MS	MS	11/18/24 18:42	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
74	P4889-05MSD	#72-11930MSD	MSD	11/18/24 18:46	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
75	P4889-05A	#72-11930A	PS	11/18/24 18:50	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
76	CCV07	CCV07	CCV	11/18/24 18:54		Kareem	OK
77	CCB07	CCB07	CCB	11/18/24 18:58		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/19/24 10:55		Kareem	OK
2	S1	S1	CAL2	11/19/24 11:00		Kareem	OK
3	S2	S2	CAL3	11/19/24 11:04		Kareem	OK
4	S3	S3	CAL4	11/19/24 11:08		Kareem	OK
5	S4	S4	CAL5	11/19/24 11:13		Kareem	OK
6	S5	S5	CAL6	11/19/24 11:17		Kareem	OK
7	ICV01	ICV01	ICV	11/19/24 11:25		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/19/24 11:34		Kareem	OK
9	ICB01	ICB01	ICB	11/19/24 11:38		Kareem	OK
10	CRI01	CRI01	CRDL	11/19/24 11:43		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/19/24 11:47		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/19/24 11:51		Kareem	OK
13	CCV01	CCV01	CCV	11/19/24 12:43		Kareem	OK
14	CCB01	CCB01	CCB	11/19/24 12:48		Kareem	OK
15	PB165067BL	PB165067BL	MB	11/19/24 12:52		Kareem	OK
16	PB165067BS	PB165067BS	LCS	11/19/24 12:56	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
17	PB164759BL	PB164759BL	MB	11/19/24 13:00		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

18	PB164759BS	PB164759BS	LCS	11/19/24 13:05	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
19	PB164645BL	PB164645BL	MB	11/19/24 13:09		Kareem	OK
20	PB164645BS	PB164645BS	LCS	11/19/24 13:13	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
21	PB164944TB	PB164944TB	MB	11/19/24 13:17		Kareem	OK
22	P4892-01	WB-310-TOP	SAM	11/19/24 13:22	Cr high	Kareem	Dilution
23	P4892-02	WB-310-BOT	SAM	11/19/24 13:26		Kareem	OK
24	P4893-01	MH-763	SAM	11/19/24 13:30		Kareem	OK
25	CCV02	CCV02	CCV	11/19/24 13:34		Kareem	OK
26	CCB02	CCB02	CCB	11/19/24 13:38		Kareem	OK
27	P4893-05	MH-762	SAM	11/19/24 13:42		Kareem	OK
28	P4908-01	SP-1	SAM	11/19/24 13:46		Kareem	OK
29	P4908-03	SP-2	SAM	11/19/24 13:51		Kareem	OK
30	P4909-01	BU-02-111824	SAM	11/19/24 13:55		Kareem	OK
31	P4909-01DUP	BU-02-111824DUP	DUP	11/19/24 13:59		Kareem	OK
32	P4909-01L	BU-02-111824L	SD	11/19/24 14:03		Kareem	OK
33	P4909-01MS	BU-02-111824MS	MS	11/19/24 14:08	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	P4909-01MSD	BU-02-111824MSD	MSD	11/19/24 14:12	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

35	P4909-01A	BU-02-111824A	PS	11/19/24 14:16	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
36	P4890-01	#3711	SAM	11/19/24 14:20		Kareem	OK
37	CCV03	CCV03	CCV	11/19/24 14:24		Kareem	OK
38	CCB03	CCB03	CCB	11/19/24 14:28		Kareem	OK
39	P4890-02	D3617	SAM	11/19/24 14:37		Kareem	OK
40	P4890-03	D3690	SAM	11/19/24 14:41		Kareem	OK
41	P4849-02	RR-1	SAM	11/19/24 14:56		Kareem	OK
42	PB165019TB	PB165019TB	MB	11/19/24 15:00		Kareem	OK
43	P4870-13	TP-1	SAM	11/19/24 15:05		Kareem	OK
44	P4870-14	MH-735	SAM	11/19/24 15:09		Kareem	OK
45	P4870-15	MH-736	SAM	11/19/24 15:13		Kareem	OK
46	P4870-16	TP-15	SAM	11/19/24 15:18		Kareem	OK
47	P4887-02	MH-739	SAM	11/19/24 15:22		Kareem	OK
48	P4887-06	MH-760	SAM	11/19/24 15:27		Kareem	OK
49	CCV04	CCV04	CCV	11/19/24 15:31		Kareem	OK
50	CCB04	CCB04	CCB	11/19/24 15:36		Kareem	OK
51	PB164986TB	PB164986TB	MB	11/19/24 15:40	fail for Cr	Kareem	Not Ok
52	PB165049BL	PB165049BL	MB	11/19/24 15:44		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

53	PB165049BS	PB165049BS	LCS	11/19/24 15:49	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
54	P4892-01DL	WB-310-TOPDL	SAM	11/19/24 15:53	5x for Cr	Kareem	Confirms
55	P4341-02	10324-0	SAM	11/19/24 15:57		Kareem	OK
56	P4860-01	DUP-01	SAM	11/19/24 16:01		Kareem	OK
57	P4860-02	PH2-BOT-001	SAM	11/19/24 16:06		Kareem	OK
58	P4860-03	PH2-BOT-002	SAM	11/19/24 16:10		Kareem	OK
59	P4860-04	PH2-BOT-003	SAM	11/19/24 16:14		Kareem	OK
60	CCV05	CCV05	CCV	11/19/24 16:18		Kareem	OK
61	CCB05	CCB05	CCB	11/19/24 16:22		Kareem	OK
62	P4860-05	PH2-BOT-004	SAM	11/19/24 16:27		Kareem	OK
63	P4860-06	PH2-BOT-009	SAM	11/19/24 16:31		Kareem	OK
64	P4860-07	PH2-BOT-008	SAM	11/19/24 16:35		Kareem	OK
65	P4860-08	PH2-BOT-007	SAM	11/19/24 16:39		Kareem	OK
66	P4860-09	PH2-BOT-006	SAM	11/19/24 16:44		Kareem	OK
67	P4860-10	PH2-BOT-005	SAM	11/19/24 16:48		Kareem	OK
68	P4870-01	TP-1	SAM	11/19/24 16:52		Kareem	OK
69	P4870-04	MH-735	SAM	11/19/24 16:57		Kareem	OK
70	P4870-07	MH-736	SAM	11/19/24 17:01		Kareem	OK
71	P4870-10	TP-15	SAM	11/19/24 17:05		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

72	CCV06	CCV06	CCV	11/19/24 17:19		Kareem	OK
73	CCB06	CCB06	CCB	11/19/24 17:24		Kareem	OK
74	PB165047BL	PB165047BL	MB	11/19/24 17:28		Kareem	OK
75	PB165047BS	PB165047BS	LCS	11/19/24 17:32		Kareem	OK
76	LR1	LR1	HIGH STD	11/19/24 17:51		Kareem	OK
77	LR2	LR2	HIGH STD	11/19/24 17:56		Kareem	OK
78	CCV07	CCV07	CCV	11/19/24 18:01		Kareem	OK
79	CCB07	CCB07	CCB	11/19/24 18:05		Kareem	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133581

Review By	jaswal	Review On	11/22/2024 9:51:42 PM
Supervise By	mohan	Supervise On	11/22/2024 9:53:32 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83330,MP83331,MP83332,MP83333,MP83334,MP83335		
ICV Standard	MP83336		
CCV Standard	MP83338		
ICSA Standard			
CRI Standard	MP83340		
LCS Standard			
Chk Standard	MP83337,MP83339,MP83341,MP83345		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/22/24 13:37		Mohan	OK
2	S0.2	S0.2	CAL2	11/22/24 13:40		Mohan	OK
3	S2.5	S2.5	CAL3	11/22/24 13:42		Mohan	OK
4	S5	S5	CAL4	11/22/24 13:44		Mohan	OK
5	S7.5	S7.5	CAL5	11/22/24 13:49		Mohan	OK
6	S10	S10	CAL6	11/22/24 13:55		Mohan	OK
7	ICV98	ICV98	ICV	11/22/24 13:57		Mohan	OK
8	ICB98	ICB98	ICB	11/22/24 14:00		Mohan	OK
9	CCV37	CCV37	CCV	11/22/24 14:02		Mohan	OK
10	CCB37	CCB37	CCB	11/22/24 14:04		Mohan	OK
11	CRA	CRA	CRDL	11/22/24 14:07		Mohan	OK
12	HighStd	HighStd	HIGH STD	11/22/24 14:09		Mohan	OK
13	ChkStd	ChkStd	SAM	11/22/24 14:11		Mohan	OK
14	PB165177BL	PB165177BL	MB	11/22/24 14:13		Mohan	OK
15	PB165177BS	PB165177BS	LCS	11/22/24 14:16		Mohan	OK
16	P4860-01	DUP-01	SAM	11/22/24 14:18		Mohan	OK
17	P4860-01DUP	DUP-01DUP	DUP	11/22/24 14:20		Mohan	OK
18	P4860-01MS	DUP-01MS	MS	11/22/24 14:23		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133581

Review By	jaswal	Review On	11/22/2024 9:51:42 PM
Supervise By	mohan	Supervise On	11/22/2024 9:53:32 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83330,MP83331,MP83332,MP83333,MP83334,MP83335		
ICV Standard	MP83336		
CCV Standard	MP83338		
ICSA Standard			
CRI Standard	MP83340		
LCS Standard			
Chk Standard	MP83337,MP83339,MP83341,MP83345		

19	P4860-01MSD	DUP-01MSD	MSD	11/22/24 14:25		Mohan	OK
20	P4860-02	PH2-BOT-001	SAM	11/22/24 14:27		Mohan	OK
21	CCV38	CCV38	CCV	11/22/24 14:30		Mohan	OK
22	CCB38	CCB38	CCB	11/22/24 14:32		Mohan	OK
23	P4860-03	PH2-BOT-002	SAM	11/22/24 14:34		Mohan	OK
24	P4860-04	PH2-BOT-003	SAM	11/22/24 14:36		Mohan	OK
25	P4860-05	PH2-BOT-004	SAM	11/22/24 14:39		Mohan	OK
26	P4860-06	PH2-BOT-009	SAM	11/22/24 14:41		Mohan	OK
27	P4860-07	PH2-BOT-008	SAM	11/22/24 14:43		Mohan	OK
28	P4860-08	PH2-BOT-007	SAM	11/22/24 14:46		Mohan	OK
29	P4860-09	PH2-BOT-006	SAM	11/22/24 14:48		Mohan	OK
30	P4860-10	PH2-BOT-005	SAM	11/22/24 14:50		Mohan	OK
31	PB165178BL	PB165178BL	MB	11/22/24 14:52		Mohan	OK
32	PB165178BS	PB165178BS	LCS	11/22/24 14:55		Mohan	OK
33	CCV39	CCV39	CCV	11/22/24 14:57		Mohan	OK
34	CCB39	CCB39	CCB	11/22/24 14:59		Mohan	OK
35	P4916-01	TP-1-WC	SAM	11/22/24 15:02		Mohan	OK
36	P4916-05	TP-2-WC	SAM	11/22/24 15:04		Mohan	OK
37	P4916-09	TP-3-WC	SAM	11/22/24 15:06		Mohan	OK
38	P4923-06	72-11991	SAM	11/22/24 15:08		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133581

Review By	jaswal	Review On	11/22/2024 9:51:42 PM
Supervise By	mohan	Supervise On	11/22/2024 9:53:32 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83330,MP83331,MP83332,MP83333,MP83334,MP83335		
ICV Standard	MP83336		
CCV Standard	MP83338		
ICSA Standard			
CRI Standard	MP83340		
LCS Standard			
Chk Standard	MP83337,MP83339,MP83341,MP83345		

39	P4924-01	MH-4	SAM	11/22/24 15:11		Mohan	OK
40	P4925-01	MH-741	SAM	11/22/24 15:13		Mohan	OK
41	P4925-05	MH-758	SAM	11/22/24 15:15		Mohan	OK
42	P4929-01	ARS520	SAM	11/22/24 15:17		Mohan	OK
43	P4936-01	PL-01-11202024	SAM	11/22/24 15:20		Mohan	OK
44	P4938-01	MH-732	SAM	11/22/24 15:22		Mohan	OK
45	CCV40	CCV40	CCV	11/22/24 15:24		Mohan	OK
46	CCB40	CCB40	CCB	11/22/24 15:26		Mohan	OK
47	P4938-05	MH-734	SAM	11/22/24 15:29		Mohan	OK
48	P4938-05DUP	MH-734DUP	DUP	11/22/24 15:31		Mohan	OK
49	P4938-05MS	MH-734MS	MS	11/22/24 15:33		Mohan	OK
50	P4938-05MSD	MH-734MSD	MSD	11/22/24 15:36		Mohan	OK
51	P4860-01L	DUP-01L	SD	11/22/24 15:38		Mohan	OK
52	P4860-01A	DUP-01A	PS	11/22/24 15:40		Mohan	OK
53	P4938-05L	MH-734L	SD	11/22/24 15:43		Mohan	OK
54	P4938-05A	MH-734A	PS	11/22/24 15:45		Mohan	OK
55	CCV41	CCV41	CCV	11/22/24 15:47		Mohan	OK
56	CCB41	CCB41	CCB	11/22/24 15:49		Mohan	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOLID

Pipette ID : ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 11/18/2024 Time : 09:30 Temp : 96 °C

End Digest Date: 11/18/2024 Time : 11:45 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *JGP*

Supervisor Signature: *SJ*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP83122
Conc. HNO3	5.00	M6120
30% H2O2	3.00	M5634
Conc. HCL	10.00	M6118
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL #33: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/18/24 12:00	<i>JGP / Met dig</i>	<i>SJ (Metals Lab)</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4860-01	DUP-01	N/A	2.35	100	Light Brown	Light Green	Medium	N/A	N/A	1
P4860-02	PH2-BPT-001	N/A	2.41	100	Light Brown	Light Green	Medium	N/A	N/A	2
P4860-03	PH2-BPT-002	N/A	2.40	100	Light Brown	Light Green	Medium	N/A	N/A	3
P4860-04	PH2-BPT-003	N/A	2.28	100	Light Brown	Light Green	Medium	N/A	N/A	4
P4860-05	PH2-BPT-004	N/A	2.19	100	Light Brown	Light Green	Medium	N/A	N/A	5
P4860-06	PH2-BPT-009	N/A	2.24	100	Light Brown	Light Green	Medium	N/A	N/A	6
P4860-07	PH2-BPT-008	N/A	2.35	100	Light Brown	Light Green	Medium	N/A	N/A	7
P4860-08	PH2-BPT-007	N/A	2.33	100	Light Brown	Light Green	Medium	N/A	N/A	8
P4860-09	PH2-BPT-006	N/A	2.33	100	Light Brown	Light Green	Medium	N/A	N/A	9
P4860-10	PH2-BPT-005	N/A	2.25	100	Light Brown	Light Green	Medium	N/A	N/A	10
P4869-01	EO-02-11152024	N/A	2.35	100	Brown	Yellow	Medium	N/A	N/A	11
P4870-01	TP-1	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	12
P4870-04	MH-735	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	13
P4870-07	MH-736	N/A	2.39	100	Brown	Yellow	Medium	N/A	N/A	14
P4870-10	TP-15	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	15
P4887-01	MH-739	N/A	2.23	100	Brown	Yellow	Medium	N/A	N/A	16
P4887-05	MH-760	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	17
P4889-01	VNJ-228	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	18
P4889-03	#72-11978	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	19
P4889-05	#72-11930	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	20
P4889-05MS	#72-11930MS	N/A	2.29	100	Brown	Yellow	Medium	N/A	M6000,M6009	22
P4889-05MSD	#72-11930MSD	N/A	2.32	100	Brown	Yellow	Medium	N/A	M6000,M6009	23
P4889-05DUP	#72-11930DUP	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	21
PB165047BL	PBS047	N/A	2.23	100	colorless	colorless	Fine	N/A	N/A	24
PB165047BS	LCS047	N/A	2.23	100	colorless	colorless	Fine	N/A	M6000,M6009	25

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 11/21/2024 Time : 14:40 Temp : 95 °C

End Digest Date: 11/21/2024 Time : 15:10 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP83336
CCV	30mL	MP83338
CRA	30mL	MP83340
Blank Spike	0.48mL	MP83329
Matrix Spike	N/A	MP83329

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP83342
KMnO4 (5%)	4.5mL	MP83208
Hydroxylamine HCL (12%)	2.0mL	MP83210
PTFE Boiling Stones	-----	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP83330
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP83331
2.5 ppb	S2.5	30mL	MP83332
5.0 ppb	S5.0	30mL	MP83333
7.5 ppb	S7.5	30mL	MP83334
10.0 ppb	S10.0	30mL	MP83335
ICV	ICV	30mL	MP83336
ICB	ICB	30mL	MP83337
CCV	CCV	30mL	MP83338
CCB	CCB	30mL	MP83339
CRI	CRI	30mL	MP83340
CHK STD	CHK STD	30mL	MP83341

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/24 @ 15:30	<i>[Signature]</i>	<i>[Signature]</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P4860-01	DUP-01	0.55	35	NA	N/A	3-1
P4860-01DUP	DUP-01DUP	0.57	35	NA	N/A	2
P4860-01MS	DUP-01MS	0.53	35	NA	MP83329	3
P4860-01MSD	DUP-01MSD	0.53	35	NA	MP83329	4
P4860-02	PH2-BOT-001	0.58	35	NA	N/A	5
P4860-03	PH2-BOT-002	0.52	35	NA	N/A	6
P4860-04	PH2-BOT-003	0.50	35	NA	N/A	7
P4860-05	PH2-BOT-004	0.54	35	NA	N/A	8
P4860-06	PH2-BOT-009	0.50	35	NA	N/A	9
P4860-07	PH2-BOT-008	0.55	35	NA	N/A	10
P4860-08	PH2-BOT-007	0.57	35	NA	N/A	11
P4860-09	PH2-BOT-006	0.52	35	NA	N/A	12
P4860-10	PH2-BOT-005	0.55	35	NA	N/A	13
PB165177BL	PBS177	0.52	35	NA	N/A	14
PB165177BS	LCS177	0.54	35	NA	MP83329	15