ANALYTICAL SUMMARY REPORT

November 01, 2018

Lehrkinds Big Spring
201 1st Ave N
Lewistown, MT 59457-1725

Work Order: B18101762

Project Name: MT0001229

Energy Laboratories Inc Billings MT received the following 3 samples for Lehrkinds Big Spring on 10/19/2018 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B18101762-001	Drinking	10/19/18 11:00	10/19/18	Drinking Water	Metals by ICP/ICPMS, Drinking Water Alkalinity Color Mercury, Drinking Water Fluoride 515.4-Herbicides, Chlorinated SDWA Chloride Sulfate/Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite pH Metals Digestion by E200.2 Herbicide Liquid-Liquid Microextraction E515.4 Mercury Digestion by E245.1 Preparation for TDS A2540 C 531-Pesticides, Carbamates SDWA Solids, Total Dissolved Semi-Volatile Organic Compounds E525.2 Extraction 525-Semi-Volatile Organic Compounds, MT List Turbidity 524-Purgeable Organics, SDWA
B18101762-002	Distilled	10/19/18 11:00	10/19/18	Drinking Water	Metals by ICP/ICPMS, Drinking Water Alkalinity Color Mercury, Drinking Water Fluoride Chloride Sulfate/Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite Odor pH Metals Digestion by E200.2 Mercury Digestion by E245.1 Preparation for TDS A2540 C Solids, Total Dissolved Turbidity

ANALYTICAL SUMMARY REPORT

B18101762-003	Drinking	10/22/18 10:50	10/19/18	Drinking Water Odor

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By:

Technical Data Reviewer

Digitally signed by
Jillian B. Miller
Date: 2018.11.01 12:49:11 -06:00

CLIENT: Lehrkinds Big Spring
Project: MT0001229
Work Order: B18101762

Report Date: 11/01/18

CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Client Sample ID: Drinking
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Facility ID: TP001
SamplingPoint/Location: EP502 / Drinking
Project ID: MT0001229
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

Lab ID: B18101762-001
Report Date: 11/01/18
Collection Date: 10/19/18 11:00
Date Received: 10/19/18
Matrix: Drinking Water
Federal ID#: MT00005

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES								
1925	pH	8.1	s.u.	H	0.1		A4500-H B	10/20/18 12:08 / pjw
	pH Measurement Temp	14	°C				A4500-H B	10/20/18 12:08 / pjw
1905	Color	8	c.u.	H	5		A2120 B	10/22/18 16:08 / rco
	pH at Time of Color Analysis	1.0	s.u.		0.1		A2120 B	10/22/18 16:08 / rco
0100	Turbidity	ND	NTU		0.1		A2130 B	10/20/18 11:34 / pjw
1930	Solids, Total Dissolved TDS @ 180 C	287	mg/L		10		A2540 C	10/24/18 13:39 / klj
INORGANICS								
1927	Alkalinity, Total as CaCO3	161	mg/L		4		A2320 B	10/24/18 21:14 / cke
1928	Bicarbonate as HCO3	197	mg/L		4		A2320 B	10/24/18 21:14 / cke
1929	Carbonate as CO3	ND	mg/L		4		A2320 B	10/24/18 21:14 / cke
1017	Chloride	ND	mg/L		1		E300.0	10/23/18 19:59 / rco
1055	Sulfate	84	mg/L		1		E300.0	10/23/18 19:59 / rco
1025	Fluoride	0.6	mg/L		0.1		A4500-F C	10/25/18 11:41 / mmc
NUTRIENTS								
1038	Nitrogen, Nitrate+Nitrite as N	0.22	mg/L		0.01	10	E353.2	10/22/18 10:49 / mjm
METALS, TOTAL								
1002	Aluminum	ND	mg/L		0.03		E200.7	10/23/18 12:23 / rlh
1074	Antimony	ND	mg/L		0.001	0.006	E200.8	10/24/18 00:23 / by
1005	Arsenic	ND	mg/L		0.001	0.01	E200.8	10/24/18 00:23 / by
1010	Barium	ND	mg/L		0.05	2	E200.7	10/23/18 12:23 / rlh
1075	Beryllium	ND	mg/L		0.001	0.004	E200.7	10/23/18 12:23 / rlh
1079	Boron	ND	mg/L		0.05		E200.7	10/23/18 12:23 / rlh
1015	Cadmium	ND	mg/L		0.001	0.005	E200.8	10/24/18 00:23 / by
1016	Calcium	68	mg/L		1		E200.7	10/23/18 12:23 / rlh
1020	Chromium	ND	mg/L		0.005	0.1	E200.8	10/24/18 00:23 / by
1022	Copper	0.012	mg/L		0.005	1.3	E200.7	10/23/18 12:23 / rlh
1028	Iron	ND	mg/L		0.02		E200.7	10/23/18 12:23 / rlh
1030	Lead	ND	mg/L		0.001	0.015	E200.8	10/24/18 00:23 / by
1083	Lithium	ND	mg/L		0.1		E200.7	10/24/18 14:42 / rlh
1031	Magnesium	20	mg/L		1		E200.7	10/23/18 12:23 / rlh
1032	Manganese	ND	mg/L		0.001		E200.8	10/24/18 00:23 / by
1035	Mercury	ND	mg/L		0.0001	0.002	E245.1	10/30/18 15:40 / trc
1036	Nickel	ND	mg/L		0.01		E200.8	10/24/18 00:23 / by

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Client Sample ID: Drinking
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Facility ID: TP001
SamplingPoint/Location: EP502 / Drinking
Project ID: MT0001229
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

Lab ID: B18101762-001
Report Date: 11/01/18
Collection Date: 10/19/18 11:00
Date Received: 10/19/18
Matrix: Drinking Water
Federal ID#: MT00005

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL								
1042	Potassium	ND	mg/L		1		E200.7	10/23/18 12:23 / rlh
1045	Selenium	ND	mg/L		0.001	0.05	E200.8	10/24/18 00:23 / by
1049	Silica	6.0	mg/L		0.2		E200.7	10/23/18 12:23 / rlh
SILI	Silicon	2.8	mg/L		0.1		E200.7	10/23/18 12:23 / rlh
1052	Sodium	2	mg/L		1		E200.7	10/23/18 12:23 / rlh
1051	Strontium	0.63	mg/L		0.01		E200.7	10/23/18 12:23 / rlh
1085	Thallium	ND	mg/L		0.0005	0.002	E200.8	10/24/18 00:23 / by
1087	Titanium	ND	mg/L		0.005		E200.8	10/24/18 00:23 / by
1088	Vanadium	ND	mg/L		0.01		E200.8	10/24/18 21:51 / by
1095	Zinc	ND	mg/L		0.01		E200.7	10/23/18 12:23 / rlh
VOLATILE ORGANIC COMPOUNDS								
2990	Benzene	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2993	Bromobenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2430	Bromochloromethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2943	Bromodichloromethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2942	Bromoform	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2214	Bromomethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2422	n-Butylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2428	sec-Butylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2426	tert-Butylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2982	Carbon tetrachloride	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2989	Chlorobenzene	ND	ug/L		0.50	100	E524.2	10/22/18 14:43 / msc
2944	Chlorodibromomethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2216	Chloroethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2941	Chloroform	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2210	Chloromethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2965	2-Chlorotoluene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2966	4-Chlorotoluene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2931	1,2-Dibromo-3-chloropropane	ND	ug/L		1.0	0.2	E524.2	10/22/18 14:43 / msc
2408	Dibromomethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2968	1,2-Dichlorobenzene	ND	ug/L		0.50	600	E524.2	10/22/18 14:43 / msc
2967	1,3-Dichlorobenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2969	1,4-Dichlorobenzene	ND	ug/L		0.50	75	E524.2	10/22/18 14:43 / msc
2212	Dichlorodifluoromethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2978	1,1-Dichloroethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Lab ID: B18101762-001
Client Sample ID: Drinking
Report Date: 11/01/18
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Collection Date: 10/19/18 11:00
Facility ID: TP001
Date Received: 10/19/18
SamplingPoint/Location: EP502 / Drinking
Matrix: Drinking Water
Project ID: MT0001229
Federal ID#: MT00005
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS								
2980	1,2-Dichloroethane	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2946	1,2-Dibromoethane	ND	ug/L		0.50	0.05	E524.2	10/22/18 14:43 / msc
2977	1,1-Dichloroethene	ND	ug/L		0.50	7	E524.2	10/22/18 14:43 / msc
2380	cis-1,2-Dichloroethene	ND	ug/L		0.50	70	E524.2	10/22/18 14:43 / msc
2979	trans-1,2-Dichloroethene	ND	ug/L		0.50	100	E524.2	10/22/18 14:43 / msc
2983	1,2-Dichloropropane	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2412	1,3-Dichloropropane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2416	2,2-Dichloropropane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2410	1,1-Dichloropropene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2413	cis-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2224	trans-1,3-Dichloropropene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2992	Ethylbenzene	ND	ug/L		0.50	700	E524.2	10/22/18 14:43 / msc
2246	Hexachlorobutadiene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2994	Isopropylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2030	p-Isopropyltoluene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2251	Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2964	Methylene chloride	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2248	Naphthalene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2998	n-Propylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2996	Styrene	ND	ug/L		0.50	100	E524.2	10/22/18 14:43 / msc
2986	1,1,1,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2988	1,1,2,2-Tetrachloroethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2987	Tetrachloroethene	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2991	Toluene	ND	ug/L		0.50	1000	E524.2	10/22/18 14:43 / msc
2420	1,2,3-Trichlorobenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2378	1,2,4-Trichlorobenzene	ND	ug/L		0.50	70	E524.2	10/22/18 14:43 / msc
2981	1,1,1-Trichloroethane	ND	ug/L		0.50	200	E524.2	10/22/18 14:43 / msc
2985	1,1,2-Trichloroethane	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2984	Trichloroethene	ND	ug/L		0.50	5	E524.2	10/22/18 14:43 / msc
2218	Trichlorofluoromethane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2414	1,2,3-Trichloropropane	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2950	Trihalomethanes, Total	ND	ug/L		0.50	80	E524.2	10/22/18 14:43 / msc
2418	1,2,4-Trimethylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2424	1,3,5-Trimethylbenzene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2976	Vinyl chloride	ND	ug/L		0.50	2	E524.2	10/22/18 14:43 / msc
2963	m+p-Xylenes	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Lab ID: B18101762-001
Client Sample ID: Drinking
Report Date: 11/01/18
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Collection Date: 10/19/18 11:00
Facility ID: TP001
Date Received: 10/19/18
SamplingPoint/Location: EP502 / Drinking
Matrix: Drinking Water
Project ID: MT0001229
Federal ID#: MT00005
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS								
2997	o-Xylene	ND	ug/L		0.50		E524.2	10/22/18 14:43 / msc
2955	Xylenes, Total	ND	ug/L		0.50	10000	E524.2	10/22/18 14:43 / msc
	Surr: p-Bromofluorobenzene	109	%REC			70-130	E524.2	10/22/18 14:43 / msc
	Surr: 1,2-Dichloroethane-d4	93.0	%REC			70-130	E524.2	10/22/18 14:43 / msc
	Surr: Toluene-d8	93.0	%REC			70-130	E524.2	10/22/18 14:43 / msc
SEMI-VOLATILE ORGANIC COMPOUNDS								
2051	Alachlor	ND	ug/L		0.10	2	E525.2	10/25/18 10:38 / jlb
2356	Aldrin	ND	ug/L		0.10		E525.2	10/25/18 10:38 / jlb
2050	Atrazine	ND	ug/L		0.10	3	E525.2	10/25/18 10:38 / jlb
2306	Benzo(a)pyrene	ND	ug/L		0.10	0.2	E525.2	10/25/18 10:38 / jlb
2076	Butachlor	ND	ug/L		0.10		E525.2	10/25/18 10:38 / jlb
2959	Chlordane	ND	ug/L		1.0	2	E525.2	10/25/18 10:38 / jlb
2035	di(2-ethylhexyl)Adipate	ND	ug/L		0.50	400	E525.2	10/25/18 10:38 / jlb
2039	di(2-ethylhexyl)Phthalate	ND	ug/L		2.0	6	E525.2	10/25/18 10:38 / jlb
2070	Dieldrin	ND	ug/L		0.10		E525.2	10/25/18 10:38 / jlb
2005	Endrin	ND	ug/L		0.10	2	E525.2	10/25/18 10:38 / jlb
2010	gamma-BHC (Lindane)	ND	ug/L		0.10	0.2	E525.2	10/25/18 10:38 / jlb
2065	Heptachlor	ND	ug/L		0.10	0.4	E525.2	10/25/18 10:38 / jlb
2067	Heptachlor epoxide	ND	ug/L		0.10	0.2	E525.2	10/25/18 10:38 / jlb
2274	Hexachlorobenzene	ND	ug/L		0.10	1	E525.2	10/25/18 10:38 / jlb
2042	Hexachlorocyclopentadiene	ND	ug/L		0.10	50	E525.2	10/25/18 10:38 / jlb
2015	Methoxychlor	ND	ug/L		0.10	40	E525.2	10/25/18 10:38 / jlb
2045	Metolachlor	ND	ug/L		0.10		E525.2	10/25/18 10:38 / jlb
2595	Metribuzin	ND	ug/L		0.10		E525.2	10/25/18 10:38 / jlb
2077	Propachlor	ND	ug/L		0.10		E525.2	10/25/18 10:38 / jlb
2037	Simazine	ND	ug/L		0.10	4	E525.2	10/25/18 10:38 / jlb
2020	Toxaphene	ND	ug/L		2.0	3	E525.2	10/25/18 10:38 / jlb
	Surr: 1,3-Dimethyl-2-nitrobenzene	101	%REC			70-130	E525.2	10/25/18 10:38 / jlb
	Surr: Perylene-d12	101	%REC			70-130	E525.2	10/25/18 10:38 / jlb
	Surr: Pyrene-d10	104	%REC			70-130	E525.2	10/25/18 10:38 / jlb
	Surr: Triphenylphosphate	109	%REC			70-130	E525.2	10/25/18 10:38 / jlb
PESTICIDES, BY HPLC								
2047	Aldicarb	ND	ug/L		1.0	3	E531.1	10/25/18 18:57 / eli-ca
2044	Aldicarb sulfone	ND	ug/L		1.0	2	E531.1	10/25/18 18:57 / eli-ca

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LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Lab ID: B18101762-001
Client Sample ID: Drinking
Report Date: 11/01/18
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Collection Date: 10/19/18 11:00
Facility ID: TP001
Date Received: 10/19/18
SamplingPoint/Location: EP502 / Drinking
Matrix: Drinking Water
Project ID: MT0001229
Federal ID#: MT00005
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PESTICIDES, BY HPLC								
2043	Aldicarb sulfoxide	ND	ug/L		1.0	4	E531.1	10/25/18 18:57 / eli-ca
2021	Carbaryl	ND	ug/L		1.0		E531.1	10/25/18 18:57 / eli-ca
2066	3-Hydroxycarbofuran	ND	ug/L		1.0		E531.1	10/25/18 18:57 / eli-ca
2046	Carbofuran	ND	ug/L		1.0	40	E531.1	10/25/18 18:57 / eli-ca
2024	Methiocarb	ND	ug/L		1.0		E531.1	10/25/18 18:57 / eli-ca
2022	Methomyl	ND	ug/L		1.0		E531.1	10/25/18 18:57 / eli-ca
2036	Oxamyl	ND	ug/L		1.0	200	E531.1	10/25/18 18:57 / eli-ca
	Baygon	ND	ug/L		1.0		E531.1	10/25/18 18:57 / eli-ca
	Surr: BDMC	114	%REC			70-130	E531.1	10/25/18 18:57 / eli-ca
HERBICIDES								
2110	2,4,5-TP (Silvex)	ND	ug/L		0.25	50	E515.4	10/23/18 04:03 / jmh
2105	2,4-D	ND	ug/L		1.0	70	E515.4	10/23/18 04:03 / jmh
2106	2,4-DB	ND	ug/L		1.0		E515.4	10/23/18 04:03 / jmh
2031	Dalapon	ND	ug/L		2.5	200	E515.4	10/23/18 04:03 / jmh
2440	Dicamba	ND	ug/L		1.0		E515.4	10/23/18 04:03 / jmh
2206	Dichlorprop	ND	ug/L		1.0		E515.4	10/23/18 04:03 / jmh
2041	Dinoseb	ND	ug/L		1.0	7	E515.4	10/23/18 04:03 / jmh
2326	Pentachlorophenol	ND	ug/L		0.10	1	E515.4	10/23/18 04:03 / jmh
2040	Picloram	ND	ug/L		0.50	500	E515.4	10/23/18 04:03 / jmh
	Surr: 2,4-Dichlorophenylacetic acid	99.0	%REC			70-130	E515.4	10/23/18 04:03 / jmh

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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Client Sample ID: Distilled
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Facility ID: TP001
SamplingPoint/Location: EP502 / Distilled
Project ID: MT0001229
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

Lab ID: B18101762-002
Report Date: 11/01/18
Collection Date: 10/19/18 11:00
Date Received: 10/19/18
Matrix: Drinking Water
Federal ID#: MT00005

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES								
1925	pH	5.9	s.u.	H	0.1		A4500-H B	10/20/18 12:11 / pjw
	pH Measurement Temp	14	°C				A4500-H B	10/20/18 12:11 / pjw
1905	Color	9	c.u.	H	5		A2120 B	10/22/18 16:08 / rco
1920	Odor	1	T.O.N.				A2150 B	10/19/18 11:51 / pjw
	Odor Measurement Temp	59	°C				A2150 B	10/19/18 11:51 / pjw
	pH at Time of Color Analysis	1.0	s.u.		0.1		A2120 B	10/22/18 16:08 / rco
0100	Turbidity	0.1	NTU		0.1		A2130 B	10/20/18 11:35 / pjw
1930	Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	10/25/18 09:23 / klj
INORGANICS								
1927	Alkalinity, Total as CaCO3	ND	mg/L		4		A2320 B	10/24/18 21:26 / cke
1928	Bicarbonate as HCO3	ND	mg/L		4		A2320 B	10/24/18 21:26 / cke
1929	Carbonate as CO3	ND	mg/L		4		A2320 B	10/24/18 21:26 / cke
1017	Chloride	ND	mg/L		1		E300.0	10/23/18 20:14 / rco
1055	Sulfate	ND	mg/L		1		E300.0	10/23/18 20:14 / rco
1025	Fluoride	ND	mg/L		0.1		A4500-F C	10/25/18 11:47 / mmc
NUTRIENTS								
1038	Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01	10	E353.2	10/22/18 10:50 / mjm
METALS, TOTAL								
1002	Aluminum	ND	mg/L		0.03		E200.8	10/24/18 00:28 / by
1074	Antimony	ND	mg/L		0.001	0.006	E200.8	10/24/18 00:28 / by
1005	Arsenic	ND	mg/L		0.001	0.01	E200.8	10/24/18 00:28 / by
1010	Barium	ND	mg/L		0.05	2	E200.7	10/23/18 12:26 / rlh
1075	Beryllium	ND	mg/L		0.001	0.004	E200.7	10/23/18 12:26 / rlh
1079	Boron	ND	mg/L		0.05		E200.7	10/23/18 12:26 / rlh
1015	Cadmium	ND	mg/L		0.001	0.005	E200.8	10/24/18 00:28 / by
1016	Calcium	ND	mg/L		1		E200.7	10/23/18 12:26 / rlh
1020	Chromium	ND	mg/L		0.005	0.1	E200.8	10/24/18 00:28 / by
1022	Copper	ND	mg/L		0.005	1.3	E200.7	10/23/18 12:26 / rlh
1028	Iron	ND	mg/L		0.02		E200.7	10/23/18 12:26 / rlh
1030	Lead	ND	mg/L		0.001	0.015	E200.8	10/24/18 00:28 / by
1083	Lithium	ND	mg/L		0.1		E200.7	10/24/18 14:56 / rlh
1031	Magnesium	ND	mg/L		1		E200.7	10/23/18 12:26 / rlh
1032	Manganese	ND	mg/L		0.001		E200.8	10/24/18 00:28 / by

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Lab ID: B18101762-002
Client Sample ID: Distilled
Report Date: 11/01/18
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Collection Date: 10/19/18 11:00
Facility ID: TP001
Date Received: 10/19/18
SamplingPoint/Location: EP502 / Distilled
Matrix: Drinking Water
Project ID: MT0001229
Federal ID#: MT00005
Collector's Name: Don Cates
Contact Phone #: (406) 538-3433
Compliance Sample: YES
Sample Type: RT

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL								
1035	Mercury	ND	mg/L		0.0001	0.002	E245.1	10/30/18 15:42 / trc
1036	Nickel	ND	mg/L		0.01		E200.8	10/24/18 00:28 / by
1042	Potassium	ND	mg/L		1		E200.7	10/23/18 12:26 / rlh
1045	Selenium	ND	mg/L		0.001	0.05	E200.8	10/24/18 00:28 / by
1049	Silica	ND	mg/L		0.2		E200.7	10/23/18 12:26 / rlh
SILI	Silicon	ND	mg/L		0.1		E200.7	10/23/18 12:26 / rlh
1052	Sodium	ND	mg/L		1		E200.7	10/23/18 12:26 / rlh
1051	Strontium	ND	mg/L		0.01		E200.7	10/23/18 12:26 / rlh
1085	Thallium	ND	mg/L		0.0005	0.002	E200.8	10/24/18 00:28 / by
1087	Titanium	ND	mg/L		0.005		E200.8	10/24/18 00:28 / by
1088	Vanadium	ND	mg/L		0.01		E200.8	10/24/18 21:54 / by
1095	Zinc	ND	mg/L		0.01		E200.7	10/23/18 12:26 / rlh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Client Sample ID: Drinking
PWS #: MT0001229 **Name:** LEHRKINDS BIG SPRING WATER
Facility ID: TP001
SamplingPoint/Location: EP502 / Drinking
Project ID: MT0001229
Collector's Name: Don Cates **Contact Phone #:** (406) 538-3433
Compliance Sample: YES **Sample Type:** RT

Lab ID: B18101762-003
Report Date: 11/01/18
Collection Date: 10/22/18 10:50
Date Received: 10/19/18
Matrix: Drinking Water
Federal ID#: MT00005

FRDS	Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES								
1920	Odor	2	T.O.N.				A2150 B	10/22/18 11:13 / pjw
	Odor Measurement Temp	60	°C				A2150 B	10/22/18 11:13 / pjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2120 B										Batch: R309685
Lab ID: MB-R309685		Method Blank				Run: MISC-WC_181022C				10/22/18 16:08
Color		ND	c.u.							
Lab ID: LCS-R309685		Laboratory Control Sample				Run: MISC-WC_181022C				10/22/18 16:08
Color		24.0	c.u.	5.0	96	90	110			
Lab ID: B18101757-001ADUP	2	Sample Duplicate				Run: MISC-WC_181022C				10/22/18 16:08
Color		4.00	c.u.	5.0					10	
pH at Time of Color Analysis		8.00	s.u.	0.10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2130 B**									Batch: 181020A-TURB-W	
Lab ID: **MBLK (DI H2O)**		Method Blank				Run: HACH2100N_181020A			10/20/18 11:30	
Turbidity		ND	NTU	0.08						
Lab ID: **Turb - 20 NTU**		Laboratory Control Sample				Run: HACH2100N_181020A			10/20/18 11:30	
Turbidity		20.4	NTU	0.10	102	90	110			
Lab ID: **Turb - 1.0 NTU**		Laboratory Control Sample				Run: HACH2100N_181020A			10/20/18 11:31	
Turbidity		1.06	NTU	0.10	106	90	110			
Lab ID: **B18101757-001ADUP**		Sample Duplicate				Run: HACH2100N_181020A			10/20/18 11:33	
Turbidity		0.0850	NTU	0.10					10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2150 B										Batch: R309774
Lab ID: MB-R309774	2	Method Blank				Run: MISC-WC_181019H				10/19/18 11:51
Odor		ND	T.O.N.							
Odor Measurement Temp		60	°C							
Method: A2150 B										Batch: R309775
Lab ID: MB-R309775	2	Method Blank				Run: MISC-WC_181022D				10/22/18 11:13
Odor		ND	T.O.N.							
Odor Measurement Temp		60	°C							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R309834
Lab ID: MBLK		Method Blank				Run: Metrohm 3_181024A				10/24/18 20:49
Alkalinity, Total as CaCO3		6	mg/L	0.7						
Lab ID: LCS		Laboratory Control Sample				Run: Metrohm 3_181024A				10/24/18 20:54
Alkalinity, Total as CaCO3		102	mg/L	4.0	96	90	110			
Lab ID: B18101762-001ADUP	3	Sample Duplicate				Run: Metrohm 3_181024A				10/24/18 21:20
Alkalinity, Total as CaCO3		161	mg/L	4.0				0.0	10	
Bicarbonate as HCO3		197	mg/L	4.0				0.0	10	
Carbonate as CO3		ND	mg/L	4.0					10	
Lab ID: B18101762-002AMS		Sample Matrix Spike				Run: Metrohm 3_181024A				10/24/18 21:32
Alkalinity, Total as CaCO3		136	mg/L	4.0	100	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: 126947
Lab ID: MB-126947		Method Blank				Run: BAL #SD-15_181024D				10/24/18 13:32
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Lab ID: LCS-126947		Laboratory Control Sample				Run: BAL #SD-15_181024D				10/24/18 13:34
Solids, Total Dissolved TDS @ 180 C		996	mg/L	10	100	90	110			
Lab ID: B18101780-001A DUP		Sample Duplicate				Run: BAL #SD-15_181024D				10/24/18 13:34
Solids, Total Dissolved TDS @ 180 C		887	mg/L	10				0.7	5	
Lab ID: B18101794-009A DUP		Sample Duplicate				Run: BAL #SD-15_181024D				10/24/18 13:36
Solids, Total Dissolved TDS @ 180 C		2030	mg/L	19				0.8	5	
Method: A2540 C										Batch: 126967
Lab ID: MB-126967		Method Blank				Run: BAL #SD-15_181025B				10/25/18 09:21
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Lab ID: LCS-126967		Laboratory Control Sample				Run: BAL #SD-15_181025B				10/25/18 09:21
Solids, Total Dissolved TDS @ 180 C		994	mg/L	10	99	90	110			
Lab ID: B18102015-001A DUP		Sample Duplicate				Run: BAL #SD-15_181025B				10/25/18 09:22
Solids, Total Dissolved TDS @ 180 C		31.0	mg/L	10				0.7	5	
Lab ID: B18101781-018A DUP		Sample Duplicate				Run: BAL #SD-15_181025B				10/25/18 09:24
Solids, Total Dissolved TDS @ 180 C		2730	mg/L	39				2.1	5	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-F C**									Analytical Run: Metrohm 3_181025A	
Lab ID: **ICV**		Initial Calibration Verification Standard							10/25/18 11:01	
Fluoride		1.01	mg/L	0.10	101	90	110			
Method: **A4500-F C**									Batch: R309862	
Lab ID: **MBLK**		Method Blank				Run: Metrohm 3_181025A			10/25/18 11:07	
Fluoride		ND	mg/L	0.05						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: Metrohm 3_181025A			10/25/18 11:13	
Fluoride		1.25	mg/L	0.10	100	90	110			
Lab ID: **B18101757-001AMS**		Sample Matrix Spike				Run: Metrohm 3_181025A			10/25/18 11:30	
Fluoride		1.82	mg/L	0.10	98	80	120			
Lab ID: **B18101757-001AMSD**		Sample Matrix Spike Duplicate				Run: Metrohm 3_181025A			10/25/18 11:36	
Fluoride		1.78	mg/L	0.10	95	80	120	2.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC _101-B_181020A	
Lab ID: pH 8	2	Initial Calibration Verification Standard							10/20/18 10:37	
pH		8.01	s.u.	0.10	100	98	102			
pH Measurement Temp		19.2	°C			0	0			
Method: A4500-H B									Batch: R309585	
Lab ID: B18101633-013ADUP	2	Sample Duplicate				Run: PHSC _101-B_181020A			10/20/18 11:32	
pH		6.85	s.u.	0.10				0.1	3	
pH Measurement Temp		12.0	°C							
Lab ID: B18101760-002ADUP	2	Sample Duplicate				Run: PHSC _101-B_181020A			10/20/18 12:01	
pH		7.61	s.u.	0.10				0.1	3	
pH Measurement Temp		14.1	°C							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP203-B_181023A	
Lab ID: ICV	13	Continuing Calibration Verification Standard							10/23/18 10:14	
Aluminum		2.44	mg/L	0.10	98	95	105			
Barium		2.46	mg/L	0.10	98	95	105			
Beryllium		1.21	mg/L	0.010	97	95	105			
Boron		2.44	mg/L	0.10	98	95	105			
Calcium		25.1	mg/L	1.0	100	95	105			
Copper		2.39	mg/L	0.010	95	95	105			
Iron		2.55	mg/L	0.020	102	95	105			
Magnesium		25.8	mg/L	1.0	103	95	105			
Potassium		26.1	mg/L	1.0	104	95	105			
Silicon		4.96	mg/L	0.10	99	95	105			
Sodium		25.7	mg/L	1.0	103	95	105			
Strontium		2.42	mg/L	0.10	97	95	105			
Zinc		2.47	mg/L	0.010	99	95	105			
Method: E200.7									Batch: R309717	
Lab ID: MB-6500DIS181023A	13	Method Blank				Run: ICP203-B_181023A			10/23/18 10:21	
Aluminum		ND	mg/L	0.03						
Barium		ND	mg/L	0.0010						
Beryllium		ND	mg/L	0.0005						
Boron		ND	mg/L	0.01						
Calcium		ND	mg/L	0.07						
Copper		ND	mg/L	0.004						
Iron		ND	mg/L	0.02						
Magnesium		ND	mg/L	0.02						
Potassium		ND	mg/L	0.1						
Silicon		ND	mg/L	0.07						
Sodium		ND	mg/L	0.1						
Strontium		ND	mg/L	0.001						
Zinc		ND	mg/L	0.002						
Lab ID: LFB-6500DIS181023A	13	Laboratory Fortified Blank				Run: ICP203-B_181023A			10/23/18 10:29	
Aluminum		4.90	mg/L	0.10	98	85	115			
Barium		0.959	mg/L	0.10	96	85	115			
Beryllium		0.461	mg/L	0.010	92	85	115			
Boron		0.976	mg/L	0.10	98	85	115			
Calcium		49.3	mg/L	1.0	99	85	115			
Copper		0.947	mg/L	0.010	95	85	115			
Iron		4.97	mg/L	0.020	99	85	115			
Magnesium		51.3	mg/L	1.0	103	85	115			
Potassium		51.5	mg/L	1.0	103	85	115			
Silicon		9.66	mg/L	0.10	97	85	115			
Sodium		50.8	mg/L	1.0	102	85	115			
Strontium		0.970	mg/L	0.10	97	85	115			
Zinc		0.970	mg/L	0.010	97	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R309717
Lab ID: B18101755-001CMS2	13	Sample Matrix Spike				Run: ICP203-B_181023A				10/23/18 12:11
Aluminum		5.01	mg/L	0.036	100	70	130			
Barium		1.04	mg/L	0.050	94	70	130			
Beryllium		0.442	mg/L	0.0010	88	70	130			
Boron		1.06	mg/L	0.050	99	70	130			
Calcium		127	mg/L	1.0	98	70	130			
Copper		0.954	mg/L	0.0050	95	70	130			
Iron		4.98	mg/L	0.020	100	70	130			
Magnesium		73.8	mg/L	1.0	102	70	130			
Potassium		54.9	mg/L	1.0	101	70	130			
Silicon		22.5	mg/L	0.10	96	70	130			
Sodium		70.3	mg/L	1.0	98	70	130			
Strontium		1.37	mg/L	0.010	94	70	130			
Zinc		1.00	mg/L	0.010	100	70	130			
Lab ID: B18101755-001CMSD	13	Sample Matrix Spike Duplicate				Run: ICP203-B_181023A				10/23/18 12:15
Aluminum		5.08	mg/L	0.036	102	70	130	1.5	20	
Barium		1.06	mg/L	0.050	95	70	130	1.5	20	
Beryllium		0.446	mg/L	0.0010	89	70	130	1.0	20	
Boron		1.08	mg/L	0.050	101	70	130	1.9	20	
Calcium		126	mg/L	1.0	97	70	130	0.6	20	
Copper		0.965	mg/L	0.0050	97	70	130	1.2	20	
Iron		5.03	mg/L	0.020	101	70	130	0.8	20	
Magnesium		74.5	mg/L	1.0	103	70	130	1.0	20	
Potassium		56.1	mg/L	1.0	103	70	130	2.2	20	
Silicon		22.8	mg/L	0.10	98	70	130	1.0	20	
Sodium		71.4	mg/L	1.0	100	70	130	1.5	20	
Strontium		1.38	mg/L	0.010	95	70	130	0.9	20	
Zinc		1.01	mg/L	0.010	101	70	130	0.6	20	
Method: E200.7										Analytical Run: ICP204-B_181024A
Lab ID: ICV		Continuing Calibration Verification Standard								10/24/18 09:56
Lithium		1.24	mg/L	0.10	99	95	105			
Method: E200.7										Batch: R309802
Lab ID: MB-7400DIS181024A		Method Blank				Run: ICP204-B_181024A				10/24/18 10:03
Lithium		ND	mg/L	0.02						
Lab ID: LFB-7400DIS181024A		Laboratory Fortified Blank				Run: ICP204-B_181024A				10/24/18 10:11
Lithium		0.986	mg/L	0.10	99	85	115			
Lab ID: B18101762-001BMS2		Sample Matrix Spike				Run: ICP204-B_181024A				10/24/18 14:49
Lithium		1.04	mg/L	0.10	104	70	130			
Lab ID: B18101762-001BMSD		Sample Matrix Spike Duplicate				Run: ICP204-B_181024A				10/24/18 14:53
Lithium		1.06	mg/L	0.10	106	70	130	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS206-B_181022A	
Lab ID: QCS	11	Initial Calibration Verification Standard							10/23/18 19:45	
Aluminum		0.251	mg/L	0.10	100	90	110			
Antimony		0.0503	mg/L	0.050	101	90	110			
Arsenic		0.0491	mg/L	0.0050	98	90	110			
Cadmium		0.0249	mg/L	0.0010	100	90	110			
Chromium		0.0503	mg/L	0.010	101	90	110			
Lead		0.0499	mg/L	0.010	100	90	110			
Manganese		0.255	mg/L	0.010	102	90	110			
Nickel		0.0503	mg/L	0.010	101	90	110			
Selenium		0.0505	mg/L	0.0050	101	90	110			
Thallium		0.0493	mg/L	0.10	99	90	110			
Titanium		0.0490	mg/L	0.010	98	90	110			
Method: E200.8									Batch: R309707	
Lab ID: LRB	11	Method Blank				Run: ICPMS206-B_181022A			10/22/18 17:45	
Aluminum		ND	mg/L	0.0008						
Antimony		ND	mg/L	0.0004						
Arsenic		ND	mg/L	0.0002						
Cadmium		ND	mg/L	0.00003						
Chromium		ND	mg/L	0.0002						
Lead		ND	mg/L	0.00005						
Manganese		ND	mg/L	0.00010						
Nickel		ND	mg/L	0.0006						
Selenium		ND	mg/L	0.0003						
Thallium		0.0001	mg/L	0.00007						
Titanium		ND	mg/L	0.0001						
Lab ID: LFB	11	Laboratory Fortified Blank				Run: ICPMS206-B_181022A			10/23/18 08:11	
Aluminum		0.0465	mg/L	0.10	93	85	115			
Antimony		0.0438	mg/L	0.050	88	85	115			
Arsenic		0.0472	mg/L	0.0050	94	85	115			
Cadmium		0.0461	mg/L	0.0010	92	85	115			
Chromium		0.0464	mg/L	0.010	93	85	115			
Lead		0.0472	mg/L	0.010	94	85	115			
Manganese		0.0452	mg/L	0.010	90	85	115			
Nickel		0.0468	mg/L	0.010	94	85	115			
Selenium		0.0470	mg/L	0.0050	94	85	115			
Thallium		0.0474	mg/L	0.10	95	85	115			
Titanium		0.0501	mg/L	0.010	100	85	115			
Lab ID: B18101755-001CMS	11	Sample Matrix Spike				Run: ICPMS206-B_181022A			10/24/18 00:01	
Aluminum		0.0516	mg/L	0.030	90	70	130			
Antimony		0.0438	mg/L	0.0010	88	70	130			
Arsenic		0.0498	mg/L	0.0010	96	70	130			
Cadmium		0.0481	mg/L	0.0010	96	70	130			
Chromium		0.0484	mg/L	0.0050	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R309707
Lab ID: B18101755-001CMS	11	Sample Matrix Spike				Run: ICPMS206-B_181022A				10/24/18 00:01
Lead		0.0489	mg/L	0.0010	98	70	130			
Manganese		0.0484	mg/L	0.0010	97	70	130			
Nickel		0.0465	mg/L	0.010	93	70	130			
Selenium		0.0461	mg/L	0.0010	92	70	130			
Thallium		0.0487	mg/L	0.00050	97	70	130			
Titanium		0.0540	mg/L	0.0050	106	70	130			
Lab ID: B18101755-001CMSD	11	Sample Matrix Spike Duplicate				Run: ICPMS206-B_181022A				10/24/18 00:06
Aluminum		0.0591	mg/L	0.030	105	70	130	14	20	
Antimony		0.0451	mg/L	0.0010	90	70	130	3.0	20	
Arsenic		0.0508	mg/L	0.0010	98	70	130	2.0	20	
Cadmium		0.0481	mg/L	0.0010	96	70	130	0.1	20	
Chromium		0.0485	mg/L	0.0050	97	70	130	0.0	20	
Lead		0.0493	mg/L	0.0010	99	70	130	0.8	20	
Manganese		0.0482	mg/L	0.0010	96	70	130	0.4	20	
Nickel		0.0463	mg/L	0.010	93	70	130	0.4	20	
Selenium		0.0497	mg/L	0.0010	99	70	130	7.6	20	
Thallium		0.0483	mg/L	0.00050	97	70	130	0.8	20	
Titanium		0.0546	mg/L	0.0050	107	70	130	1.0	20	
Method: E200.8										Analytical Run: ICPMS207-B_181024A
Lab ID: QCS		Initial Calibration Verification Standard								10/24/18 17:13
Vanadium		0.0499	mg/L	0.10	100	90	110			
Method: E200.8										Batch: R309864
Lab ID: LRB		Method Blank				Run: ICPMS207-B_181024A				10/24/18 17:28
Vanadium		ND	mg/L	0.001						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS207-B_181024A				10/24/18 17:32
Vanadium		0.0495	mg/L	0.10	99	85	115			
Lab ID: B18101870-001AMS		Sample Matrix Spike				Run: ICPMS207-B_181024A				10/24/18 21:23
Vanadium		0.0458	mg/L	0.010	92	70	130			
Lab ID: B18101870-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS207-B_181024A				10/24/18 21:27
Vanadium		0.0500	mg/L	0.010	100	70	130	8.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E245.1**									Analytical Run: HGCV202-B_191030A	
Lab ID: **ICV**		Initial Calibration Verification Standard							10/30/18 14:03	
Mercury		0.00198	mg/L	0.00010	99	90	110			
Method: **E245.1**									Batch: 127069	
Lab ID: **MB-127069**		Method Blank				Run: HGCV202-B_191030A			10/30/18 15:20	
Mercury		ND	mg/L	0.00005						
Lab ID: **LCS-127069**		Laboratory Control Sample				Run: HGCV202-B_191030A			10/30/18 15:22	
Mercury		0.00201	mg/L	0.00010	100	85	115			
Lab ID: **B18101755-001CMS**		Sample Matrix Spike				Run: HGCV202-B_191030A			10/30/18 15:25	
Mercury		0.00197	mg/L	0.00010	99	70	130			
Lab ID: **B18101755-001CMSD**		Sample Matrix Spike Duplicate				Run: HGCV202-B_191030A			10/30/18 15:27	
Mercury		0.00193	mg/L	0.00010	97	70	130	1.9	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC METROHM 2_181022A	
Lab ID: ICV	2	Initial Calibration Verification Standard							10/22/18 11:27	
Chloride		100	mg/L	1.0	100	90	110			
Sulfate		397	mg/L	1.0	99	90	110			
Method: E300.0									Batch: R309694	
Lab ID: ICB	2	Method Blank				Run: IC METROHM 2_181022A			10/22/18 11:43	
Chloride		ND	mg/L	0.05						
Sulfate		ND	mg/L	0.03						
Lab ID: LFB	2	Laboratory Fortified Blank				Run: IC METROHM 2_181022A			10/22/18 11:58	
Chloride		25.1	mg/L	1.0	100	90	110			
Sulfate		99.5	mg/L	1.0	99	90	110			
Lab ID: B18101763-001AMS	2	Sample Matrix Spike				Run: IC METROHM 2_181022A			10/23/18 21:16	
Chloride		27.3	mg/L	1.0	106	90	110			
Sulfate		111	mg/L	1.0	106	90	110			
Lab ID: B18101763-001AMSD	2	Sample Matrix Spike Duplicate				Run: IC METROHM 2_181022A			10/23/18 21:32	
Chloride		28.8	mg/L	1.0	112	90	110	5.3	20	S
Sulfate		117	mg/L	1.0	112	90	110	5.1	20	S

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 11/01/18
Project: MT0001229
Work Order: B18101762

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: FIA203-B_181022A	
Lab ID: ICV		Initial Calibration Verification Standard							10/22/18 09:49	
Nitrogen, Nitrate+Nitrite as N		0.573	mg/L	0.010	101	90	110			
Method: E353.2									Batch: R309667	
Lab ID: MBLK		Method Blank				Run: FIA203-B_181022A			10/22/18 09:50	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.007						
Lab ID: LFB		Laboratory Fortified Blank				Run: FIA203-B_181022A			10/22/18 09:51	
Nitrogen, Nitrate+Nitrite as N		0.978	mg/L	0.010	98	90	110			
Lab ID: B18101244-001BMS		Sample Matrix Spike				Run: FIA203-B_181022A			10/22/18 11:18	
Nitrogen, Nitrate+Nitrite as N		120	mg/L	0.50	105	90	110			
Lab ID: B18101244-001BMSD		Sample Matrix Spike Duplicate				Run: FIA203-B_181022A			10/22/18 11:20	
Nitrogen, Nitrate+Nitrite as N		121	mg/L	0.50	106	90	110	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E515.4									Analytical Run: 126813
Lab ID: CAL1-126813	Continuing Calibration Verification Standard								10/22/18 21:27
2,4,5-TP (Silvex)	0.264	ug/L	0.25	106	50	150			
2,4-D	0.790	ug/L	1.0	79	50	150			
2,4-DB	0.902	ug/L	1.0	90	50	150			
Dalapon	1.20	ug/L	2.5	120	50	150			
Dicamba	0.453	ug/L	1.0	91	50	150			
Dichlorprop	0.984	ug/L	1.0	98	50	150			
Dinoseb	1.20	ug/L	1.0	120	50	150			
Pentachlorophenol	0.131	ug/L	0.10	131	50	150			
Picloram	0.503	ug/L	0.50	101	50	150			
Surr: 2,4-Dichlorophenylacetic acid				101	70	130			
Lab ID: CAL3-126813	Continuing Calibration Verification Standard								10/23/18 04:39
2,4,5-TP (Silvex)	0.813	ug/L	0.25	108	70	130			
2,4-D	3.28	ug/L	1.0	109	70	130			
2,4-DB	2.94	ug/L	1.0	98	70	130			
Dalapon	3.11	ug/L	2.5	104	70	130			
Dicamba	1.68	ug/L	1.0	112	70	130			
Dichlorprop	3.35	ug/L	1.0	112	70	130			
Dinoseb	3.48	ug/L	1.0	116	70	130			
Pentachlorophenol	0.316	ug/L	0.10	105	70	130			
Picloram	1.71	ug/L	0.50	114	70	130			
Surr: 2,4-Dichlorophenylacetic acid				103	70	130			
Method: E515.4									Batch: 126813
Lab ID: LCS-126813	Laboratory Control Sample				Run: CECD.I_181022A				10/22/18 22:03
2,4,5-TP (Silvex)	1.24	ug/L	0.25	99	70	130			
2,4-D	4.78	ug/L	1.0	96	70	130			
2,4-DB	4.68	ug/L	1.0	94	70	130			
Dalapon	4.54	ug/L	2.5	91	70	130			
Dicamba	2.45	ug/L	1.0	98	70	130			
Dichlorprop	4.74	ug/L	1.0	95	70	130			
Dinoseb	4.83	ug/L	1.0	97	70	130			
Pentachlorophenol	0.472	ug/L	0.10	94	70	130			
Picloram	2.46	ug/L	0.50	98	70	130			
Surr: 2,4-Dichlorophenylacetic acid				96	70	130			
Lab ID: MB-126813	Method Blank				Run: CECD.I_181022A				10/22/18 22:39
2,4,5-TP (Silvex)	ND	ug/L	0.25						
2,4-D	ND	ug/L	1.0						
2,4-DB	ND	ug/L	1.0						
Dalapon	ND	ug/L	2.5						
Dicamba	ND	ug/L	1.0						
Dichlorprop	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Project: MT0001229

Report Date: 10/31/18
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E515.4									Batch: 126813
Lab ID: MB-126813	Method Blank				Run: CECD.I_181022A				10/22/18 22:39
Dinoseb	ND	ug/L	1.0						
Pentachlorophenol	ND	ug/L	0.10						
Picloram	ND	ug/L	0.50						
Surr: 2,4-Dichlorophenylacetic acid				97	70	130			
Lab ID: B18101440-001AMS	Sample Matrix Spike				Run: CECD.I_181022A				10/22/18 23:51
2,4,5-TP (Silvex)	1.29	ug/L	0.25	103	70	130			
2,4-D	5.17	ug/L	1.0	103	70	130			
2,4-DB	5.10	ug/L	1.0	102	70	130			
Dalapon	4.78	ug/L	2.5	96	70	130			
Dicamba	2.56	ug/L	1.0	102	70	130			
Dichlorprop	5.15	ug/L	1.0	103	70	130			
Dinoseb	4.90	ug/L	1.0	98	70	130			
Pentachlorophenol	0.496	ug/L	0.10	99	70	130			
Picloram	2.76	ug/L	0.50	110	70	130			
Surr: 2,4-Dichlorophenylacetic acid				99	70	130			
Lab ID: B18101440-001AMSD	Sample Matrix Spike Duplicate				Run: CECD.I_181022A				10/23/18 00:27
2,4,5-TP (Silvex)	1.27	ug/L	0.25	102	70	130	1.6	30	
2,4-D	5.04	ug/L	1.0	101	70	130	2.5	30	
2,4-DB	4.92	ug/L	1.0	98	70	130	3.6	30	
Dalapon	4.47	ug/L	2.5	89	70	130	6.7	30	
Dicamba	2.42	ug/L	1.0	97	70	130	5.6	30	
Dichlorprop	5.02	ug/L	1.0	100	70	130	2.6	30	
Dinoseb	4.88	ug/L	1.0	98	70	130	0.4	30	
Pentachlorophenol	0.460	ug/L	0.10	92	70	130	7.5	30	
Picloram	2.88	ug/L	0.50	115	70	130	4.3	30	
Surr: 2,4-Dichlorophenylacetic acid				97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E524.2**									Analytical Run: R309715
Lab ID: **CCV102218_**	Continuing Calibration Verification Standard								10/22/18 09:58
Benzene	4.57	ug/L	0.50	91	70	130			
Bromobenzene	4.61	ug/L	0.50	92	70	130			
Bromochloromethane	4.80	ug/L	0.50	96	70	130			
Bromodichloromethane	4.77	ug/L	0.50	95	70	130			
Bromoform	4.91	ug/L	0.50	98	70	130			
Bromomethane	5.40	ug/L	0.50	108	70	130			
n-Butylbenzene	4.83	ug/L	0.50	97	70	130			
sec-Butylbenzene	4.75	ug/L	0.50	95	70	130			
tert-Butylbenzene	4.57	ug/L	0.50	91	70	130			
Carbon tetrachloride	4.91	ug/L	0.50	98	70	130			
Chlorobenzene	4.58	ug/L	0.50	92	70	130			
Chlorodibromomethane	4.80	ug/L	0.50	96	70	130			
Chloroethane	4.56	ug/L	0.50	91	70	130			
Chloroform	4.68	ug/L	0.50	94	70	130			
Chloromethane	4.37	ug/L	0.50	87	70	130			
2-Chlorotoluene	4.56	ug/L	0.50	91	70	130			
4-Chlorotoluene	4.79	ug/L	0.50	96	70	130			
1,2-Dibromo-3-chloropropane	4.67	ug/L	1.0	93	70	130			
Dibromomethane	4.55	ug/L	0.50	91	70	130			
1,2-Dichlorobenzene	4.81	ug/L	0.50	96	70	130			
1,3-Dichlorobenzene	4.76	ug/L	0.50	95	70	130			
1,4-Dichlorobenzene	4.70	ug/L	0.50	94	70	130			
Dichlorodifluoromethane	4.47	ug/L	0.50	89	70	130			
1,1-Dichloroethane	4.39	ug/L	0.50	88	70	130			
1,2-Dichloroethane	4.52	ug/L	0.50	90	70	130			
1,2-Dibromoethane	4.52	ug/L	0.50	90	70	130			
1,1-Dichloroethene	4.38	ug/L	0.50	88	70	130			
cis-1,2-Dichloroethene	4.53	ug/L	0.50	91	70	130			
trans-1,2-Dichloroethene	4.35	ug/L	0.50	87	70	130			
1,2-Dichloropropane	4.62	ug/L	0.50	92	70	130			
1,3-Dichloropropane	4.78	ug/L	0.50	96	70	130			
2,2-Dichloropropane	4.76	ug/L	0.50	95	70	130			
1,1-Dichloropropene	4.55	ug/L	0.50	91	70	130			
cis-1,3-Dichloropropene	4.55	ug/L	0.50	91	70	130			
trans-1,3-Dichloropropene	4.59	ug/L	0.50	92	70	130			
Ethylbenzene	4.69	ug/L	0.50	94	70	130			
Hexachlorobutadiene	4.35	ug/L	0.50	87	70	130			
Isopropylbenzene	4.72	ug/L	0.50	94	70	130			
p-Isopropyltoluene	4.88	ug/L	0.50	98	70	130			
Methyl tert-butyl ether (MTBE)	4.58	ug/L	0.50	92	70	130			
Methylene chloride	4.44	ug/L	0.50	89	70	130			
Naphthalene	4.28	ug/L	0.50	86	70	130			
n-Propylbenzene	4.88	ug/L	0.50	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E524.2**									Analytical Run: R309715
Lab ID: **CCV102218_**	Continuing Calibration Verification Standard								10/22/18 09:58
Styrene	4.92	ug/L	0.50	98	70	130			
1,1,1,2-Tetrachloroethane	4.90	ug/L	0.50	98	70	130			
1,1,2,2-Tetrachloroethane	4.55	ug/L	0.50	91	70	130			
Tetrachloroethene	4.78	ug/L	0.50	96	70	130			
Toluene	4.66	ug/L	0.50	93	70	130			
1,2,3-Trichlorobenzene	4.54	ug/L	0.50	91	70	130			
1,2,4-Trichlorobenzene	4.54	ug/L	0.50	91	70	130			
1,1,1-Trichloroethane	4.71	ug/L	0.50	94	70	130			
1,1,2-Trichloroethane	4.67	ug/L	0.50	93	70	130			
Trichloroethene	4.60	ug/L	0.50	92	70	130			
Trichlorofluoromethane	4.73	ug/L	0.50	95	70	130			
1,2,3-Trichloropropane	4.39	ug/L	0.50	88	70	130			
1,2,4-Trimethylbenzene	4.93	ug/L	0.50	99	70	130			
1,3,5-Trimethylbenzene	5.02	ug/L	0.50	100	70	130			
Vinyl chloride	4.43	ug/L	0.50	89	70	130			
m+p-Xylenes	9.47	ug/L	0.50	95	70	130			
o-Xylene	4.70	ug/L	0.50	94	70	130			
Trihalomethanes, Total	19.1	ug/L	0.50	96	70	130			
Xylenes, Total	14.2	ug/L	0.50	94	70	130			
Surr: p-Bromofluorobenzene			0.50	95	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	92	70	130			
Surr: Toluene-d8			0.50	96	70	130			
Method: **E524.2**									Batch: R309715
Lab ID: **LCS102218_**	Laboratory Control Sample				Run: VOA5975C.I_181022A				10/22/18 10:27
Benzene	4.71	ug/L	0.50	94	70	130			
Bromobenzene	4.83	ug/L	0.50	97	70	130			
Bromochloromethane	4.94	ug/L	0.50	99	70	130			
Bromodichloromethane	5.18	ug/L	0.50	104	70	130			
Bromoform	5.32	ug/L	0.50	106	70	130			
Bromomethane	5.72	ug/L	0.50	114	70	130			
n-Butylbenzene	5.35	ug/L	0.50	107	70	130			
sec-Butylbenzene	5.21	ug/L	0.50	104	70	130			
tert-Butylbenzene	4.65	ug/L	0.50	93	70	130			
Carbon tetrachloride	5.11	ug/L	0.50	102	70	130			
Chlorobenzene	4.82	ug/L	0.50	96	70	130			
Chlorodibromomethane	5.12	ug/L	0.50	102	70	130			
Chloroethane	4.82	ug/L	0.50	96	70	130			
Chloroform	4.85	ug/L	0.50	97	70	130			
Chloromethane	4.64	ug/L	0.50	93	70	130			
2-Chlorotoluene	4.84	ug/L	0.50	97	70	130			
4-Chlorotoluene	5.05	ug/L	0.50	101	70	130			
1,2-Dibromo-3-chloropropane	4.97	ug/L	1.0	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2									Batch: R309715
Lab ID: LCS102218_	Laboratory Control Sample				Run: VOA5975C.I_181022A				10/22/18 10:27
Dibromomethane	4.98	ug/L	0.50	100	70	130			
1,2-Dichlorobenzene	5.04	ug/L	0.50	101	70	130			
1,3-Dichlorobenzene	5.21	ug/L	0.50	104	70	130			
1,4-Dichlorobenzene	4.96	ug/L	0.50	99	70	130			
Dichlorodifluoromethane	6.08	ug/L	0.50	122	70	130			
1,1-Dichloroethane	4.53	ug/L	0.50	91	70	130			
1,2-Dichloroethane	5.10	ug/L	0.50	102	70	130			
1,2-Dibromoethane	4.83	ug/L	0.50	97	70	130			
1,1-Dichloroethene	4.37	ug/L	0.50	87	70	130			
cis-1,2-Dichloroethene	4.55	ug/L	0.50	91	70	130			
trans-1,2-Dichloroethene	4.53	ug/L	0.50	91	70	130			
1,2-Dichloropropane	4.88	ug/L	0.50	98	70	130			
1,3-Dichloropropane	4.66	ug/L	0.50	93	70	130			
2,2-Dichloropropane	4.89	ug/L	0.50	98	70	130			
1,1-Dichloropropene	4.43	ug/L	0.50	89	70	130			
cis-1,3-Dichloropropene	4.62	ug/L	0.50	92	70	130			
trans-1,3-Dichloropropene	5.01	ug/L	0.50	100	70	130			
Ethylbenzene	4.91	ug/L	0.50	98	70	130			
Hexachlorobutadiene	4.67	ug/L	0.50	93	70	130			
Isopropylbenzene	5.11	ug/L	0.50	102	70	130			
p-Isopropyltoluene	5.21	ug/L	0.50	104	70	130			
Methyl tert-butyl ether (MTBE)	4.96	ug/L	0.50	99	70	130			
Methylene chloride	4.86	ug/L	0.50	97	70	130			
Naphthalene	4.77	ug/L	0.50	95	70	130			
n-Propylbenzene	5.06	ug/L	0.50	101	70	130			
Styrene	5.22	ug/L	0.50	104	70	130			
1,1,1,2-Tetrachloroethane	5.12	ug/L	0.50	102	70	130			
1,1,2,2-Tetrachloroethane	4.96	ug/L	0.50	99	70	130			
Tetrachloroethene	5.03	ug/L	0.50	101	70	130			
Toluene	4.88	ug/L	0.50	98	70	130			
1,2,3-Trichlorobenzene	5.01	ug/L	0.50	100	70	130			
1,2,4-Trichlorobenzene	5.07	ug/L	0.50	101	70	130			
1,1,1-Trichloroethane	4.81	ug/L	0.50	96	70	130			
1,1,2-Trichloroethane	4.91	ug/L	0.50	98	70	130			
Trichloroethene	4.65	ug/L	0.50	93	70	130			
Trichlorofluoromethane	4.76	ug/L	0.50	95	70	130			
1,2,3-Trichloropropane	4.69	ug/L	0.50	94	70	130			
1,2,4-Trimethylbenzene	5.19	ug/L	0.50	104	70	130			
1,3,5-Trimethylbenzene	5.28	ug/L	0.50	106	70	130			
Vinyl chloride	4.96	ug/L	0.50	99	70	130			
m+p-Xylenes	10.2	ug/L	0.50	102	70	130			
o-Xylene	4.95	ug/L	0.50	99	70	130			
Trihalomethanes, Total	20.5	ug/L	0.50	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2									Batch: R309715
Lab ID: LCS102218_	Laboratory Control Sample				Run: VOA5975C.I_181022A				10/22/18 10:27
Xylenes, Total	15.1	ug/L	0.50	101	70	130			
Surr: p-Bromofluorobenzene			0.50	99	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	95	70	130			
Surr: Toluene-d8			0.50	97	70	130			
Lab ID: MBLK102218_	Method Blank				Run: VOA5975C.I_181022A				10/22/18 11:24
Benzene	ND	ug/L	0.50						
Bromobenzene	ND	ug/L	0.50						
Bromochloromethane	ND	ug/L	0.50						
Bromodichloromethane	ND	ug/L	0.50						
Bromoform	ND	ug/L	0.50						
Bromomethane	ND	ug/L	0.50						
n-Butylbenzene	ND	ug/L	0.50						
sec-Butylbenzene	ND	ug/L	0.50						
tert-Butylbenzene	ND	ug/L	0.50						
Carbon tetrachloride	ND	ug/L	0.50						
Chlorobenzene	ND	ug/L	0.50						
Chlorodibromomethane	ND	ug/L	0.50						
Chloroethane	ND	ug/L	0.50						
Chloroform	ND	ug/L	0.50						
Chloromethane	ND	ug/L	0.50						
2-Chlorotoluene	ND	ug/L	0.50						
4-Chlorotoluene	ND	ug/L	0.50						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	0.50						
1,2-Dichlorobenzene	ND	ug/L	0.50						
1,3-Dichlorobenzene	ND	ug/L	0.50						
1,4-Dichlorobenzene	ND	ug/L	0.50						
Dichlorodifluoromethane	ND	ug/L	0.50						
1,1-Dichloroethane	ND	ug/L	0.50						
1,2-Dichloroethane	ND	ug/L	0.50						
1,2-Dibromoethane	ND	ug/L	0.50						
1,1-Dichloroethene	ND	ug/L	0.50						
cis-1,2-Dichloroethene	ND	ug/L	0.50						
trans-1,2-Dichloroethene	ND	ug/L	0.50						
1,2-Dichloropropane	ND	ug/L	0.50						
1,3-Dichloropropane	ND	ug/L	0.50						
2,2-Dichloropropane	ND	ug/L	0.50						
1,1-Dichloropropene	ND	ug/L	0.50						
cis-1,3-Dichloropropene	ND	ug/L	0.50						
trans-1,3-Dichloropropene	ND	ug/L	0.50						
Ethylbenzene	ND	ug/L	0.50						
Hexachlorobutadiene	ND	ug/L	0.50						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E524.2									Batch: R309715
Lab ID: MBLK102218_	Method Blank				Run: VOA5975C.I_181022A				10/22/18 11:24
Isopropylbenzene	ND	ug/L	0.50						
p-Isopropyltoluene	ND	ug/L	0.50						
Methyl tert-butyl ether (MTBE)	ND	ug/L	0.50						
Methylene chloride	ND	ug/L	0.50						
Naphthalene	ND	ug/L	0.50						
n-Propylbenzene	ND	ug/L	0.50						
Styrene	ND	ug/L	0.50						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Tetrachloroethene	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
1,2,3-Trichlorobenzene	ND	ug/L	0.50						
1,2,4-Trichlorobenzene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
Trichlorofluoromethane	ND	ug/L	0.50						
1,2,3-Trichloropropane	ND	ug/L	0.50						
1,2,4-Trimethylbenzene	ND	ug/L	0.50						
1,3,5-Trimethylbenzene	ND	ug/L	0.50						
Vinyl chloride	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Trihalomethanes, Total	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: p-Bromofluorobenzene			0.50	110	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	96	70	130			
Surr: Toluene-d8			0.50	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E525.2									Batch: 126897
Lab ID: MB-126897	Method Blank				Run: SVSATURN2_181024A				10/24/18 18:12
Alachlor	ND	ug/L	0.10						
Aldrin	ND	ug/L	0.10						
Atrazine	ND	ug/L	0.10						
Benzo(a)pyrene	ND	ug/L	0.10						
Butachlor	ND	ug/L	0.10						
Chlordane	ND	ug/L	1.0						
di(2-ethylhexyl)Adipate	ND	ug/L	0.50						
di(2-ethylhexyl)Phthalate	ND	ug/L	0.60						
Dieldrin	ND	ug/L	0.10						
Endrin	ND	ug/L	0.10						
gamma-BHC (Lindane)	ND	ug/L	0.10						
Heptachlor	ND	ug/L	0.10						
Heptachlor epoxide	ND	ug/L	0.10						
Hexachlorobenzene	ND	ug/L	0.10						
Hexachlorocyclopentadiene	ND	ug/L	0.10						
Methoxychlor	ND	ug/L	0.10						
Metolachlor	ND	ug/L	0.10						
Metribuzin	ND	ug/L	0.10						
Propachlor	ND	ug/L	0.10						
Simazine	ND	ug/L	0.10						
Toxaphene	ND	ug/L	2.0						
Surr: 1,3-Dimethyl-2-nitrobenzene			0.10	96	70	130			
Surr: Perylene-d12			0.10	96	70	130			
Surr: Pyrene-d10			0.10	109	70	130			
Surr: Triphenylphosphate			0.10	111	70	130			
Lab ID: LCS-1-126897	Laboratory Control Sample				Run: SVSATURN2_181024A				10/24/18 22:43
Alachlor	2.24	ug/L	0.10	112	70	130			
Aldrin	2.06	ug/L	0.10	103	70	130			
Atrazine	2.17	ug/L	0.10	108	70	130			
Benzo(a)pyrene	1.96	ug/L	0.10	98	70	130			
Butachlor	2.33	ug/L	0.10	117	70	130			
di(2-ethylhexyl)Adipate	2.07	ug/L	0.50	103	70	130			
di(2-ethylhexyl)Phthalate	2.21	ug/L	0.60	103	70	130			
Dieldrin	2.10	ug/L	0.10	105	70	130			
Endrin	2.32	ug/L	0.10	116	70	130			
gamma-BHC (Lindane)	1.98	ug/L	0.10	99	70	130			
Heptachlor	2.16	ug/L	0.10	108	70	130			
Heptachlor epoxide	2.12	ug/L	0.10	106	70	130			
Hexachlorobenzene	2.14	ug/L	0.10	107	70	130			
Hexachlorocyclopentadiene	1.91	ug/L	0.10	96	70	130			
Methoxychlor	2.02	ug/L	0.10	101	70	130			
Metolachlor	2.06	ug/L	0.10	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E525.2									Batch: 126897
Lab ID: LCS-1-126897	Laboratory Control Sample				Run: SVSATURN2_181024A				10/24/18 22:43
Metribuzin	1.24	ug/L	0.10	62	70	130			S
Propachlor	2.46	ug/L	0.10	123	70	130			
Simazine	2.22	ug/L	0.10	111	70	130			
Surr: 1,3-Dimethyl-2-nitrobenzene			0.10	96	70	130			
Surr: Perylene-d12			0.10	97	70	130			
Surr: Pyrene-d10			0.10	108	70	130			
Surr: Triphenylphosphate			0.10	104	70	130			
Note: A laboratory issue with reagent water may have caused metribuzin recoveries to be outside method control limits. Recoveries were normal in the associated Matrix Spike and Matrix Spike Duplicate indicating normal method performance. Corrective action has been initiated.									
Lab ID: CLD-126897	Laboratory Control Sample				Run: SVSATURN2_181024A				10/25/18 01:17
Chlordane	18.8	ug/L	1.0	94	70	130			
Surr: 1,3-Dimethyl-2-nitrobenzene			0.10	100	70	130			
Surr: Perylene-d12			0.10	95	70	130			
Surr: Pyrene-d10			0.10	107	70	130			
Surr: Triphenylphosphate			0.10	103	70	130			
Lab ID: B18101438-001BMS	Sample Matrix Spike				Run: SVSATURN2_181024A				10/25/18 00:00
Alachlor	4.52	ug/L	0.20	113	70	130			
Aldrin	3.80	ug/L	0.20	95	70	130			
Atrazine	3.96	ug/L	0.20	99	70	130			
Benzo(a)pyrene	4.02	ug/L	0.20	100	70	130			
Butachlor	4.72	ug/L	0.20	118	70	130			
di(2-ethylhexyl)Adipate	4.20	ug/L	1.0	105	70	130			
di(2-ethylhexyl)Phthalate	4.36	ug/L	1.2	109	70	130			
Dieldrin	3.40	ug/L	0.20	85	70	130			
Endrin	4.28	ug/L	0.20	107	70	130			
gamma-BHC (Lindane)	4.06	ug/L	0.20	101	70	130			
Heptachlor	4.08	ug/L	0.20	102	70	130			
Heptachlor epoxide	4.02	ug/L	0.20	100	70	130			
Hexachlorobenzene	3.80	ug/L	0.20	95	70	130			
Hexachlorocyclopentadiene	3.60	ug/L	0.20	90	70	130			
Methoxychlor	4.20	ug/L	0.20	105	70	130			
Metolachlor	4.02	ug/L	0.20	100	70	130			
Metribuzin	3.58	ug/L	0.20	90	70	130			
Propachlor	4.92	ug/L	0.20	123	70	130			
Simazine	5.22	ug/L	0.20	130	70	130			
Surr: 1,3-Dimethyl-2-nitrobenzene			0.20	103	70	130			
Surr: Perylene-d12			0.20	97	70	130			
Surr: Pyrene-d10			0.20	110	70	130			
Surr: Triphenylphosphate			0.20	107	70	130			
Lab ID: B18101438-001BMSD	Sample Matrix Spike Duplicate				Run: SVSATURN2_181024A				10/25/18 00:38
Alachlor	4.06	ug/L	0.20	101	70	130	11	40	
Aldrin	3.44	ug/L	0.20	86	70	130	9.9	40	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Project: MT0001229

Report Date: 10/31/18
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E525.2									Batch: 126897
Lab ID: B18101438-001BMSD	Sample Matrix Spike Duplicate				Run: SVSATURN2_181024A				10/25/18 00:38
Atrazine	3.92	ug/L	0.20	98	70	130	1.0	40	
Benzo(a)pyrene	3.42	ug/L	0.20	86	70	130	16	40	
Butachlor	4.24	ug/L	0.20	106	70	130	11	40	
di(2-ethylhexyl)Adipate	3.54	ug/L	1.0	89	70	130	17	40	
di(2-ethylhexyl)Phthalate	3.78	ug/L	1.2	94	70	130	14	40	
Dieldrin	3.48	ug/L	0.20	87	70	130	2.3	40	
Endrin	3.74	ug/L	0.20	94	70	130	13	40	
gamma-BHC (Lindane)	3.76	ug/L	0.20	94	70	130	7.7	40	
Heptachlor	3.66	ug/L	0.20	92	70	130	11	40	
Heptachlor epoxide	3.82	ug/L	0.20	96	70	130	5.1	40	
Hexachlorobenzene	3.50	ug/L	0.20	88	70	130	8.2	40	
Hexachlorocyclopentadiene	3.30	ug/L	0.20	83	70	130	8.7	40	
Methoxychlor	3.76	ug/L	0.20	94	70	130	11	40	
Metolachlor	3.88	ug/L	0.20	97	70	130	3.5	40	
Metribuzin	3.44	ug/L	0.20	86	70	130	4.0	40	
Propachlor	4.64	ug/L	0.20	116	70	130	5.9	40	
Simazine	4.68	ug/L	0.20	117	70	130	11	40	
Surr: 1,3-Dimethyl-2-nitrobenzene			0.20	103	70	130			
Surr: Perylene-d12			0.20	101	70	130			
Surr: Pyrene-d10			0.20	110	70	130			
Surr: Triphenylphosphate			0.20	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Lehrkinds Big Spring
Report Date: 10/31/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E525.2									Analytical Run: R309885
Lab ID: 525_CCV_5	Continuing Calibration Verification Standard								10/25/18 02:53
Alachlor	1.96	ug/L	0.10	98	70	130			
Aldrin	1.87	ug/L	0.10	94	70	130			
Atrazine	1.98	ug/L	0.10	99	70	130			
Benzo(a)pyrene	2.00	ug/L	0.10	100	70	130			
Butachlor	1.91	ug/L	0.10	96	70	130			
di(2-ethylhexyl)Adipate	1.98	ug/L	0.50	99	70	130			
di(2-ethylhexyl)Phthalate	1.98	ug/L	0.60	99	70	130			
Dieldrin	1.83	ug/L	0.10	92	70	130			
Endrin	2.16	ug/L	0.10	108	70	130			
gamma-BHC (Lindane)	1.92	ug/L	0.10	96	70	130			
Heptachlor	1.97	ug/L	0.10	99	70	130			
Heptachlor epoxide	2.02	ug/L	0.10	101	70	130			
Hexachlorobenzene	2.02	ug/L	0.10	101	70	130			
Hexachlorocyclopentadiene	1.88	ug/L	0.10	94	70	130			
Methoxychlor	2.03	ug/L	0.10	101	70	130			
Metolachlor	1.83	ug/L	0.10	92	70	130			
Metribuzin	1.93	ug/L	0.10	96	70	130			
Propachlor	1.92	ug/L	0.10	96	70	130			
Simazine	2.13	ug/L	0.10	106	70	130			
Surr: 1,3-Dimethyl-2-nitrobenzene			0.10	103	70	130			
Surr: Perylene-d12			0.10	106	70	130			
Surr: Pyrene-d10			0.10	105	70	130			
Surr: Triphenylphosphate			0.10	99	70	130			
Lab ID: CLD_CCV_5	Continuing Calibration Verification Standard								10/25/18 04:10
Chlordane	17.4	ug/L	1.0	87	70	130			
Surr: 1,3-Dimethyl-2-nitrobenzene			0.10	102	70	130			
Surr: Perylene-d12			0.10	111	70	130			
Surr: Pyrene-d10			0.10	108	70	130			
Surr: Triphenylphosphate			0.10	107	70	130			
Lab ID: TOX_CCV_5	Continuing Calibration Verification Standard								10/25/18 04:49
Toxaphene	39.3	ug/L	2.0	98	70	130			
Surr: 1,3-Dimethyl-2-nitrobenzene			0.10	100	70	130			
Surr: Perylene-d12			0.10	112	70	130			
Surr: Pyrene-d10			0.10	105	70	130			
Surr: Triphenylphosphate			0.10	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Lehrkinds Big Spring
Report Date: 10/30/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E531.1								Analytical Run: HPLC1-C_181025A	
Lab ID: CCV	Continuing Calibration Verification Standard							10/26/18 13:43	
Aldicarb	10.3	ug/L	1.0	103	80	120			
Aldicarb sulfone	11.4	ug/L	1.0	114	80	120			
Aldicarb sulfoxide	13.5	ug/L	1.0	135	80	120			S
Carbaryl	11.2	ug/L	1.0	112	80	120			
3-Hydroxycarbofuran	11.7	ug/L	1.0	117	80	120			
Carbofuran	11.6	ug/L	1.0	116	80	120			
Methiocarb	11.2	ug/L	1.0	112	80	120			
Methomyl	12.0	ug/L	1.0	120	80	120			
Oxamyl	11.4	ug/L	1.0	114	80	120			
Baygon	11.8	ug/L	1.0	118	80	120			
Surr: BDMC			1.0	115	70	130			
Method: E531.1								Batch: R241080	
Lab ID: LCS	Laboratory Control Sample				Run: HPLC1-C_181025A			10/25/18 16:22	
Aldicarb	3.0	ug/L	1.0	107	80	120			
Aldicarb sulfone	9.9	ug/L	1.0	107	80	120			
Aldicarb sulfoxide	6.8	ug/L	1.0	104	80	120			
Carbaryl	1.6	ug/L	1.0	102	80	120			
3-Hydroxycarbofuran	1.9	ug/L	1.0	111	80	120			
Carbofuran	12.6	ug/L	1.0	105	80	120			
Methiocarb	9.1	ug/L	1.0	106	80	120			
Methomyl	2.5	ug/L	1.0	118	80	120			
Oxamyl	9.7	ug/L	1.0	109	80	120			
Baygon	4.6	ug/L	1.0	104	80	120			
Surr: BDMC			1.0	111	70	130			
Lab ID: MBLK	Method Blank				Run: HPLC1-C_181025A			10/25/18 15:44	
Aldicarb	ND	ug/L	0.3						
Aldicarb sulfone	ND	ug/L	0.4						
Aldicarb sulfoxide	ND	ug/L	0.2						
Carbaryl	ND	ug/L	0.3						
3-Hydroxycarbofuran	ND	ug/L	0.4						
Carbofuran	ND	ug/L	0.4						
Methiocarb	ND	ug/L	0.3						
Methomyl	ND	ug/L	0.2						
Oxamyl	ND	ug/L	0.1						
Baygon	ND	ug/L	0.4						
Surr: BDMC				106	70	130			
Lab ID: C18100710-003AMS	Sample Matrix Spike Duplicate				Run: HPLC1-C_181025A			10/26/18 13:09	
Aldicarb	3.2	ug/L	1.0	115	65	135			
Aldicarb sulfone	10.6	ug/L	1.0	114	65	135			
Aldicarb sulfoxide	6.9	ug/L	1.0	105	65	135			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Lehrkinds Big Spring
Report Date: 10/30/18
Project: MT0001229
Work Order: B18101762

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E531.1									Batch: R241080
Lab ID: C18100710-003AMS	Sample Matrix Spike Duplicate				Run: HPLC1-C_181025A				10/26/18 13:09
Carbaryl	1.7	ug/L	1.0	107	65	135			
3-Hydroxycarbofuran	1.9	ug/L	1.0	116	65	135			
Carbofuran	13.5	ug/L	1.0	113	65	135			
Methiocarb	9.4	ug/L	1.0	110	65	135			
Methomyl	2.6	ug/L	1.0	124	65	135			
Oxamyl	10.4	ug/L	1.0	117	65	135			
Baygon	4.0	ug/L	1.0	91	65	135			
Surr: BDMC			1.0	111	70	130			
Lab ID: C18100710-003AMSD	Sample Matrix Spike				Run: HPLC1-C_181025A				10/26/18 13:04
Aldicarb	3.3	ug/L	1.0	119	65	135			
Aldicarb sulfone	9.6	ug/L	1.0	103	65	135			
Aldicarb sulfoxide	6.3	ug/L	1.0	96	65	135			
Carbaryl	1.7	ug/L	1.0	110	65	135			
3-Hydroxycarbofuran	1.9	ug/L	1.0	114	65	135			
Carbofuran	14.0	ug/L	1.0	116	65	135			
Methiocarb	9.8	ug/L	1.0	114	65	135			
Methomyl	2.5	ug/L	1.0	117	65	135			
Oxamyl	9.6	ug/L	1.0	108	65	135			
Baygon	4.4	ug/L	1.0	100	65	135			
Surr: BDMC			1.0	110	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Work Order Receipt Checklist

Lehrkinds Big Spring

B18101762

Login completed by:	Richard L. Shular	Date Received:	10/19/2018
Reviewed by:	BL2000\raschim	Received by:	qej
Reviewed Date:	10/22/2018	Carrier name:	FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☐	No ☑	Not Applicable ☐
Container/Temp Blank temperature:	5.2°C Blue Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

All analyses for samples Spring Water (Drinking) and Distilled were sub-sampled and preserved in lab. In accordance with the Safe Drinking Water Act, the Metals samples must be held 24 hours prior to analysis.

Sample collection date and time starts at the time of subsampling and preservation per Wynn Pippin, Energy Laboratory Project Manager. All samples were subsampled and preserved on 10/19/2018 at 11:00am except for Odor analysis for sample Drinking due to laboratory limitations.

The Odor for sample Drinking was subsampled on 10/22/2018 at 10:50am.

Samples were received in two shipments one from UPS at 9:10am and one from FedEx at 10:30am.

ENERGY LAB
Trust our People. Trust our Data

Chain of Custody & Analytical Request Record

www.energylab.com

Account Information (Billing Information)

Company/Name	Lehrkinds Big Spring Water
Contact	~~Don Cates~~ Rea Sicilly
Phone	(406) 586-2029
Mailing Address	1715 North Rouse
City, State, Zip	Bozeman MT. 59719
Email	rsicilly@lehrkinds.com
Receive Invoice	☐ Hard Copy ☒ Email
Receive Report	☐ Hard Copy ☒ Email
Purchase Order	8037
Quote	
Bottle Order	127497

Report Information (if different than Account Information)

Company/Name	Lehrkinds Big Spring Water
Contact	Don Cates
Phone	(406) 538-3433 (406) 366-2161
Mailing Address	201 1st Ave No
City, State, Zip	Lewistown MT 59457
Email	Ltownprod@lehrkinds.com
Receive Report	☐ Hard Copy ☒ Email
Special Report/Formats:	☐ LEVEL IV ☐ NELAC ☐ EDD/EDT (contact laboratory) ☐ Other

Comments

Radiochemistry Logged Separately

Project Information

Project Name, PWSID, Permit, etc.	MT0001229
Sampler Name	Don Cates
Sampler Phone	(406) 366-2161
Sample Origin State	MT
EPA/State Compliance	☒ Yes ☐ No

MINING CLIENTS, please indicate sample type.
*If ore has been processed or refined, call before sending.
☐ Byproduct 11 (e)2 material ☐ Unprocessed ore (NOT ground or refined)*

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Biopassy
O - Other
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	Analysis Requested: A25406 A21208 A21308 A4500-NH3	E300.0 A4500-Cl E353.2	E200.7-8 A21308	A21508	E524.2	E525.2 E531.1	E515.4	E200.8 E900.0	E903.0 RA-05 A7500-RA	See Attached	RUSH TAT	Comments
1 1 Lite Plastic spigot By Distiller	10-18-18	2:00pm	1	W	1	1	1									RSL Logged Separately
2 250 ml plastic spigot By Distiller	10-18-18		1	W		#										
3 250 ml plastic Spigot By Distiller	10-18-18		1	W			1									
4 2-1 Lite Amber Glass Spigot By Distiller	10-18-18		2	W				X								
5				W												
6 4-Gal plastic Drinky	10-18-18		4	W	1	1	1	1	1	1	1	1	1			B181017 62-001-003
7 2-Gal plastic Distilled	10-18-18		2	W	1	1	1									-002
8																
9																
10																

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Donald Cates	10-18-18 2:00pm		Laurie Lais	10/19/18 09:10	10:30
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
						10/19/18 03

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

ELI-COC-12/16 v.1