

TABLE 1
SOIL BORING AND EXCAVATION SOIL SAMPLE ANALYTICAL RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Soil Sample ID	Depth (bgs)	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)
SB01 @ 3-4'	3-4'	04/09/2008	NA	NA	NA	NA	1400	3900	<50
SB02 @ 3-4'	3-4'	04/09/2008	NA	NA	NA	NA	1400	4400	<50
S01 @ 4'	4'	01/14/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
S02 @ 4'	4'	01/14/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
S03 @ 4'	4'	01/14/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
W01 @ 4'	4'	01/14/2015	<0.002	<0.002	<0.002	<0.002	69	<50	<200
W02 @ 4'	4'	01/14/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
N01 @ 4'	4'	01/19/2015	<0.002	<0.002	<0.002	0.002	<50	<50	<200
N02 @ 4'	4'	01/19/2015	<0.002	<0.002	<0.002	0.025	<50	<50	<200
N03 @ 4'	4'	01/21/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
N04 @ 4'	4'	01/22/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
N05 @ 4'	4'	01/22/2015	<0.002	<0.002	<0.002	0.003	<50	<50	<200
S04 @ 4'	4'	01/22/2015	<0.002	<0.002	0.002	0.034	<50	<50	<200
W03 @ 4'	4'	01/22/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
E01 @ 6'	6'	01/23/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
E02 @ 6'	6'	01/23/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
E03 @ 6'	6'	01/23/2015	<0.002	<0.002	<0.002	0.005	<50	<50	<200
E04 @ 6'	6'	01/26/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
N06 @ 6'	6'	01/27/2015	<0.002	<0.002	<0.002	<0.002	<50	<50	<200
S05 @ 6'	6'	01/27/2015	<0.002	<0.002	<0.002	0.005	<50	<50	<200
S06 @ 6'	6'	01/27/2015	0.003	<0.002	0.011	0.117	<50	<50	<200
COGCC Standards			0.17	85	100	175	500*	500*	500*

Notes: bgs - below ground surface
mg/kg - milligrams per kilogram
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
ORO - Oil Range Organics

< - less than laboratory reporting limit
Bold numbers indicate result equaled or exceeded standard.
NA - Not Analyzed/Not Available
COGCC - Colorado Oil and Gas Conservation Commission
* - Standard applies to combined DRO-GRO-ORO



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
GWEX01	1/16/2015	<1.0	<1.0	24.3	643	6	NA
GWEX02	1/22/2015	<1.0	<1.0	109	1440	6	NA
GWEX03	1/30/2015	22.1	<10.0	93.2	719	7	NA
AMW01	5/7/2008	3.0	<1.0	6.1	120	7.04	90.79
	1/5/2009	13	<1.0	25	970	6.92	90.91
	4/16/2009	51	<1.0	33	1000	6.62	91.13
	7/9/2009	25	<1.0	25	310	4.61	93.12
	10/12/2009	<1.0	<1.0	<1.0	6.7	6.88	90.95
	1/18/2010	7.5	<1.0	37	620	7.53	90.30
	4/5/2010	4.9	<1.0	32	940	6.08	92.20
	7/6/2010	9.7	<1.0	16	260	4.90	92.93
	10/19/2010	7.2	<1.0	42	240	6.91	90.92
	1/11/2011	7.8	<1.0	16	310	7.78	90.05
	4/7/2011	5.0	<1.0	19	1100	7.25	90.58
	7/7/2011	19	<1.0	12	1200	4.89	92.94
	10/4/2011	6.3	<1.0	43	350	NM	NA
	1/24/2012	2.5	<1.0	36	<1.0	7.09	90.74
	4/5/2012	5.8	<1.0	34	200	7.19	90.64
	7/2/2012	<1.0	<1.0	<1.0	40	6.82	91.01
	10/12/2012	2.3	<1.0	13	140	6.95	90.88
	1/28/2013	29	<1.0	50	530	7.42	90.41
	4/18/2013	1.7	<1.0	5.3	210	7.18	90.65
	7/17/2013	65	1.0	120	1100	5.80	92.03
	10/8/2013	3.0	<1.0	8.7	110	5.90	91.93
	11/15/2013	Surveyed - Not Sampled				6.14	91.67
	1/15/2014	<4.0	<4.0	6.1	66.1	6.60	91.23
	4/10/2014	1.5	<1.0	10.7	127	6.69	91.12
	7/10/2014	19.8	27.1	44.5	608	4.80	93.01
	10/10/2014	899	<1.0	590	610	5.92	91.89
	1/12/2015	1.3	<1.0	18.4	80.3	6.54	91.27
AMW01 abandoned as of 1/12/2015							
AMW01R	8/18/2015	<1.0	<1.0	<1.0	1.5	5.21	93.62
	8/25/2015	Surveyed - Not Sampled				5.73	93.10
	11/18/2015	<1.0	<1.0	<1.0	<1.0	5.12	93.71
	2/5/2016	<4.0	<4.0	<4.0	<4.0	5.90	92.93
	4/5/2016	<1.0	<1.0	<1.0	<1.0	5.50	93.33
AMW01T	10/26/2016	<1.00	<1.00	<1.00	<1.00	8.11	92.77



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	1/12/2017	<1.00	<1.00	<1.00	<1.00	6.36	92.65
	4/5/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	7/7/2017	Abandoned Seasonally per Landowner's Request				NM	NA
	11/20/2017	Surveyed - Not Sampled				5.93	93.03
	1/22/2018	<1.00	<1.00	<1.00	<1.00	6.34	92.62
	4/2/2018	<1.00	<1.00	<1.00	<1.00	PVC Blocked	NA
	7/10/2018	Abandoned Seasonally per Landowner's Request				NM	NA
	10/16/2018	<1.00	<1.00	7.50	9.43	6.64	92.71
	1/8/2019	<1.00	<1.00	<1.00	<1.00	7.14	92.21
AMW02	5/7/2008	<1.0	<1.0	<1.0	<1.0	6.90	90.61
	1/5/2009	<1.0	<1.0	<1.0	<1.0	6.70	90.81
	4/16/2009	<1.0	<1.0	<1.0	<1.0	6.54	90.68
	7/9/2009	<1.0	<1.0	<1.0	<1.0	4.55	92.96
	10/12/2009	<1.0	<1.0	<1.0	<1.0	6.70	90.81
	1/18/2010	<1.0	<1.0	<1.0	3.4	7.29	90.22
	4/5/2010	<1.0	<1.0	<1.0	<1.0	6.29	90.77
	7/6/2010	<1.0	<1.0	<1.0	<1.0	4.65	92.86
	10/19/2010	<1.0	<1.0	<1.0	<1.0	6.72	90.79
	1/11/2011	<1.0	<1.0	<1.0	1.0	7.47	90.04
	4/7/2011	<1.0	<1.0	<1.0	<1.0	7.04	90.47
	7/7/2011	<1.0	<1.0	<1.0	<1.0	4.68	92.83
	10/4/2011	<1.0	<1.0	<1.0	14	NM	NA
	1/24/2012	<1.0	<1.0	<1.0	<1.0	6.98	90.53
	4/5/2012	<1.0	<1.0	<1.0	<1.0	7.04	90.47
	7/2/2012	<1.0	<1.0	<1.0	<1.0	6.56	90.95
	10/12/2012	<1.0	<1.0	<1.0	<1.0	7.48	90.03
	1/28/2013	<1.0	<1.0	<1.0	<1.0	7.27	90.24
	4/18/2013	<1.0	<1.0	<1.0	<1.0	7.03	90.48
	7/17/2013	<1.0	<1.0	<1.0	<1.0	5.62	91.89
	10/8/2013	<1.0	<1.0	<1.0	<1.0	5.75	91.76
	11/15/2013	Surveyed - Not Sampled				5.88	91.47
	1/15/2014	<4.0	<4.0	<4.0	<4.0	6.35	91.16
	4/10/2014	<1.0	<1.0	<1.0	<1.0	6.34	91.01
	7/10/2014	<1.0	<1.0	<1.0	<1.0	5.02	92.33
	10/10/2014	<1.0	<1.0	2.0	50.0	5.54	91.81
	1/12/2015	<1.0	<1.0	<1.0	<1.0	6.20	91.15
AMW02 abandoned as of 1/12/2015							
MW01	5/7/2008	18	<1.0	220	3700	7.01	90.81
	1/5/2009	75	2.4	140	1700	6.92	90.90
	4/16/2009	250	<1.0	180	1500	6.63	91.27



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	7/9/2009	710	<1.0	520	3700	4.66	93.16
	10/12/2009	340	2.3	430	3900	6.94	90.98
	1/18/2010	210	2.9	180	1300	7.56	90.26
	4/5/2010	240	2.2	220	1300	6.17	91.65
	7/6/2010	480	1.2	470	2800	4.94	92.88
	10/19/2010	420	1.8	590	2300	6.90	90.92
	1/11/2011	1300	2.7	680	4200	7.73	90.09
	4/7/2011	880	<1.0	430	2100	7.24	90.58
	7/7/2011	630	4.9	850	3100	4.98	92.84
	10/4/2011	1200	5.8	1200	4500	NM	NA
	1/24/2012	1000	<1.0	670	2800	7.06	90.76
	4/5/2012	740	<1.0	530	730	7.23	90.59
	7/2/2012	690	<1.0	82	2000	6.75	91.07
	10/12/2012	390	<1.0	270	1300	7.68	90.14
	1/28/2013	790	<1.0	710	2100	7.48	90.34
	4/18/2013	250	<1.0	270	830	7.32	90.50
	7/17/2013	560	1.8	820	3500	5.73	92.09
	10/8/2013	380	<1.0	880	3600	5.74	92.08
	11/15/2013	Surveyed - Not Sampled				6.25	91.68
	1/15/2014	498	<4.0	549	2440	Frozen	NA
	MW01 destroyed as of 4/10/2014						
MW01R	8/18/2015	6.2	<1.0	27.5	86.5	6.37	93.88
	8/25/2015	Surveyed - Not Sampled				7.16	93.09
	11/18/2015	1.7	<1.0	4.9	9.2	6.17	94.08
	2/5/2016	Frozen - Not Sampled				Frozen	NA
	2/16/2016	<1.0	<1.0	<1.0	<1.0	Frozen	NA
	4/5/2016	<1.0	<1.0	1.3	2.7	6.86	93.39
	7/25/2016	5.25	<1.00	17.6	44.0	NM	NA
	8/11/2016	Not Sampled				7.50	92.75
	10/20/2016	3.81	<1.00	7.92	20.6	NM	NA
	10/26/2016	Surveyed - Not Sampled				7.51	92.74
	1/12/2017	4.86	<1.00	<1.00	2.91	7.58	92.66
	4/5/2017	4.97	<1.00	1.55	3.60	NM	NA
	7/7/2017	<1.00	<1.00	<1.00	<1.00	6.90	93.34
	10/26/2017	<1.00	<1.00	<1.00	2.07	7.75	92.49
	11/20/2017	Surveyed - Not Sampled				7.10	93.12
	1/22/2018	<1.00	<1.00	<1.00	<1.00	7.71	92.51
	4/2/2018	<1.00	<1.00	<1.00	<1.00	7.06	93.16
	7/10/2018	<1.00	<1.00	<1.00	<1.00	6.45	93.77
	10/16/2018	<1.00	<1.00	<1.00	<1.00	7.71	92.53
	1/8/2019	<1.00	<1.00	<1.00	<1.00	8.05	92.19



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
MW02	5/7/2008	170	<1.0	150	1400	7.14	90.75
	1/5/2009	350	<1.0	93	1100	6.96	90.93
	4/16/2009	75	<1.0	24	270	6.99	91.19
	7/9/2009	1200	<1.0	220	2600	4.91	92.98
	10/12/2009	290	<1.0	51	650	6.99	90.90
	1/18/2010	570	<1.0	160	440	7.64	90.25
	4/5/2010	1100	1.2	510	4100	6.34	91.55
	7/6/2010	480	<1.0	150	1200	5.11	92.78
	10/19/2010	900	<1.0	130	1200	7.01	90.88
	1/11/2011	620	<1.0	93	1600	7.85	90.04
	4/7/2011	1100	<1.0	250	1800	7.29	90.60
	7/7/2011	1500	1.0	140	1000	5.19	92.70
	10/4/2011	1200	<1.0	100	480	NM	NA
	1/24/2012	1500	<1.0	280	19	7.18	90.71
	4/5/2012	1300	<1.0	150	370	7.38	90.51
	7/2/2012	190	<1.0	53	450	7.02	90.87
	10/12/2012	850	<1.0	150	750	7.77	90.12
	1/28/2013	2500	<1.0	440	2100	7.48	90.41
	4/18/2013	370	<1.0	170	990	7.40	90.49
	7/17/2013	1400	<1.0	220	1100	6.00	91.89
	10/8/2013	380	<1.0	290	2000	6.00	91.89
	11/15/2013	Surveyed - Not Sampled				6.37	91.62
	1/15/2014	420	<4.0	331	2440	6.71	91.18
	4/10/2014	259	<10.0	215	1640	6.89	91.10
	7/10/2014	809	<4.0	381	2300	5.11	92.88
	10/10/2014	1.1	<1.0	14.0	107	6.11	91.88
	1/12/2015	1120	<10.0	317	696	6.83	91.16
	MW02 abandoned as of 1/12/2015						
MW02R	8/18/2015	14.8	<1.0	120	396	6.42	93.54
	8/25/2015	Surveyed - Not Sampled				6.97	92.99
	11/18/2015	<1.0	<1.0	<1.0	<1.0	5.68	94.28
	2/5/2016	<1.0	<1.0	<1.0	<1.0	7.11	92.85
	4/5/2016	<1.0	<1.0	<1.0	<1.0	6.71	93.25
	7/25/2016	<1.00	<1.00	<1.00	2.70	NM	NA
	8/11/2016	Not Sampled				7.25	92.77
	10/20/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	10/26/2016	Surveyed - Not Sampled				7.26	92.76
	1/12/2017	<1.00	<1.00	<1.00	<1.00	7.39	92.63
	4/5/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	7/7/2017	<1.00	<1.00	<1.00	<1.00	6.84	93.18



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	10/26/2017	<1.00	<1.00	<1.00	<1.00	7.63	92.39
	11/20/2017	Surveyed - Not Sampled				7.23	92.74
	1/22/2018	<1.00	<1.00	<1.00	<1.00	7.38	92.59
	4/2/2018	<1.00	<1.00	<1.00	<1.00	7.32	92.65
	7/10/2018	<1.00	<1.00	<1.00	<1.00	6.56	93.41
	10/16/2018	<1.00	<1.00	<1.00	<1.00	7.39	92.61
	1/8/2019	<1.00	<1.00	<1.00	<1.00	7.86	92.14
MW03	8/18/2015	<1.0	<1.0	<1.0	<1.0	3.90	93.54
	8/25/2015	Surveyed - Not Sampled				4.33	93.11
	11/18/2015	<1.0	<1.0	<1.0	<1.0	3.76	93.68
	2/5/2016	<1.0	<1.0	<1.0	<1.0	4.65	92.79
	4/5/2016	<1.0	<1.0	<1.0	<1.0	4.26	93.18
	MW03 abandoned on 4/5/2016						
MW04	8/18/2015	<1.0	<1.0	<1.0	<1.0	3.75	93.45
	8/25/2015	Surveyed - Not Sampled				4.19	93.01
	11/18/2015	<1.0	<1.0	<1.0	<1.0	3.60	93.60
	2/5/2016	<1.0	<1.0	<1.0	<1.0	4.45	92.75
	4/5/2016	<1.0	<1.0	<1.0	<1.0	4.11	93.09
	MW04 abandoned on 4/5/2016						
MW05	8/18/2015	<1.0	<1.0	<1.0	<1.0	4.14	93.44
	8/25/2015	Surveyed - Not Sampled				4.61	92.97
	11/18/2015	<1.0	<1.0	<1.0	<1.0	3.95	93.63
	2/5/2016	<1.0	<1.0	<1.0	<1.0	4.84	92.74
	4/5/2016	<1.0	<1.0	<1.0	<1.0	4.46	93.12
	MW05 abandoned on 4/5/2016						
MW06	8/18/2015	3.7	<1.0	<1.0	3.6	4.69	93.53
	8/25/2015	Surveyed - Not Sampled				5.20	93.02
	11/18/2015	<1.0	<1.0	<1.0	<1.0	4.41	93.81
	2/5/2016	<1.0	<1.0	<1.0	<1.0	5.39	92.83
	4/5/2016	<1.0	<1.0	<1.0	<1.0	5.06	93.16
	MW06 abandoned on 4/5/2016						
MW06T	10/26/2016	1.34	<1.00	6.90	29.2	7.84	92.70
	1/12/2017	<1.00	<1.00	<1.00	<1.00	5.70	92.50
	4/5/2017	5.29	<1.00	4.06	7.44	NM	NA
	7/7/2017	Abandoned Seasonally per Landowner's Request				NM	NA
	11/20/2017	Surveyed - Not Sampled				5.05	92.98
	1/22/2018	<1.00	<1.00	<1.00	<1.00	5.52	92.51



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	4/2/2018	<1.00	<1.00	<1.00	<1.00	PVC Blocked	NA
	7/10/2018	Abandoned Seasonally per Landowner's Request				NM	NA
	10/16/2018	<1.00	<1.00	5.64	17.8	5.81	92.58
	1/8/2019	<1.00	<1.00	<1.00	<1.00	6.33	92.06
MW07	8/18/2015	<1.0	<1.0	<1.0	<1.0	3.87	93.54
	8/25/2015	Surveyed - Not Sampled				4.35	93.06
	11/18/2015	<1.0	<1.0	<1.0	<1.0	3.80	93.61
	2/5/2016	<1.0	<1.0	<1.0	<1.0	4.59	92.82
	4/5/2016	<1.0	<1.0	<1.0	<1.0	4.20	93.21
	MW07 abandoned on 4/5/2016						
MW08	8/18/2015	<1.0	<1.0	<1.0	<1.0	4.32	93.61
	8/25/2015	Surveyed - Not Sampled				4.72	93.21
	11/18/2015	<1.0	<1.0	<1.0	<1.0	4.09	93.84
	2/5/2016	<1.0	<1.0	<1.0	<1.0	5.01	92.92
	4/5/2016	<1.0	<1.0	<1.0	<1.0	4.63	93.30
	MW08 abandoned on 4/5/2016						
MW09	8/18/2015	<1.0	<1.0	<1.0	<1.0	4.93	93.45
	8/25/2015	Surveyed - Not Sampled				5.47	92.91
	11/18/2015	<1.0	<1.0	<1.0	<1.0	4.61	93.77
	2/5/2016	<1.0	<1.0	<1.0	<1.0	5.63	92.75
	4/5/2016	<1.0	<1.0	<1.0	<1.0	5.15	93.23
	MW09 abandoned on 4/5/2016						
MW09R	10/26/2016	<1.00	<1.00	<1.00	<1.00	6.65	92.61
	1/12/2017	<1.00	<1.00	<1.00	<1.00	7.09	92.38
	4/5/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	7/7/2017	<1.00	<1.00	<1.00	<1.00	6.47	93.00
	MW09R abandoned on 7/7/2017						
MW09R2	3/7/2018	<1.00	<1.00	<1.00	<1.00	7.06	92.26
	4/2/2018	<1.00	<1.00	<1.00	<1.00	6.78	92.47
	7/10/2018	<1.00	<1.00	<1.00	<1.00	6.22	93.03
	10/16/2018	<1.00	<1.00	<1.00	<1.00	6.81	92.46
	1/8/2019	<1.00	<1.00	<1.00	<1.00	7.29	91.98
MW10	8/18/2015	<1.0	<1.0	<1.0	<1.0	6.58	NA
	11/18/2015	<1.0	<1.0	<1.0	<1.0	6.22	NA
	2/5/2016	<1.0	<1.0	<1.0	<1.0	7.29	NA
	4/5/2016	<1.0	<1.0	<1.0	<1.0	6.89	NA



TABLE 2
GROUNDWATER ANALYTICAL AND FIELD RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Well Name	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Depth to Water/ (Product Thickness) (ft bgs)	Relative GW Elev. (ft)
	7/25/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	8/11/2016	Not Sampled				7.44	92.54
	10/20/2016	<1.00	<1.00	<1.00	<1.00	NM	NA
	10/26/2016	Surveyed - Not Sampled				9.03	90.95
	1/12/2017	<1.00	<1.00	<1.00	<1.00	4.94	92.36
	4/5/2017	<1.00	<1.00	<1.00	<1.00	NM	NA
	7/7/2017	<1.00	<1.00	<1.00	<1.00	4.36	92.94
	10/26/2017	<1.00	<1.00	<1.00	<1.00	5.12	NA
	11/20/2017	Surveyed - Not Sampled				4.27	91.59
	1/22/2018	<1.00	<1.00	<1.00	<1.00	4.79	91.07
	4/2/2018	<1.00	<1.00	<1.00	<1.00	4.68	91.18
	7/10/2018	<1.00	<1.00	<1.00	<1.00	3.61	92.25
	10/16/2018	<4.00	<4.00	<4.00	<4.00	4.84	92.48
	1/8/2019	<1.00	<1.00	<1.00	<1.00	5.36	91.96
COGCC Allowable Levels		5	1000	700	1400		

Notes: COGCC - Colorado Oil and Gas Conservation Commission

Elev. - elevation

ft bgs - feet below ground surface

GW - groundwater

NA - not analyzed/not available

NM - not measured

µg/L - micrograms per liter

< - less than laboratory reporting limit

Bold indicates result exceeds allowable level

Excavation groundwater depth is approximate

TABLE 3
STOCKPILE SOIL SAMPLE ANALYTICAL RESULTS
NISHIMOTO GEORGE GU #1
WELD COUNTY, COLORADO
KERR-MCGEE OIL & GAS ONSHORE LP

Soil Sample ID	Depth (bgs)	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	DRO (mg/kg)	GRO (mg/kg)	ORO (mg/kg)
SP01	Composite	01/16/2015	<0.050	<0.050	0.080	1.94	170	230	<200
SP02	Composite	01/16/2015	<0.050	<0.050	0.076	1.86	240	320	<200
SP02R	Composite	01/19/2015	<0.050	<0.050	0.082	2.00	<50	<50	<200
SP03	Composite	01/21/2015	<0.050	<0.050	0.396	7.24	160	260	<200
SP04	Composite	01/21/2015	<0.100	<0.100	0.141	4.06	69	91	<200
SP05	Composite	01/21/2015	<0.050	<0.050	0.199	3.72	<50	53	<200
SP06	Composite	01/22/2015	<0.002	0.003	0.062	0.636	<50	<50	<200
SP07	Composite	01/22/2015	<0.002	0.002	0.043	0.676	<50	<50	<200
SP08	Composite	01/23/2015	<0.002	<0.002	0.032	0.586	<50	<50	<200
SP09	Composite	01/29/2015	<0.050	<0.050	<0.050	0.429	<50	<50	<200
SP10	Composite	01/29/2015	<0.050	<0.050	0.306	3.02	<50	<50	<200
SP11	Composite	01/29/2015	<0.050	<0.050	0.530	4.81	<50	<50	<200
SP12	Composite	01/29/2015	<0.050	<0.050	0.850	7.26	<50	<50	<200
SP13	Composite	01/29/2015	<0.050	<0.050	1.04	8.65	<50	58	<200
SP14	Composite	01/30/2015	<0.050	<0.050	0.750	0.628	<50	<50	<200
SP15	Composite	01/30/2015	0.002	<0.002	0.049	0.390	<50	<50	<200
SP16	Composite	01/30/2015	<0.050	<0.050	3.74	31.3	<50	60	<200
COGCC Standards			0.17	85	100	175	500*	500*	500*

Notes: bgs - below ground surface
mg/kg - milligrams per kilogram
DRO - Diesel Range Organics
GRO - Gasoline Range Organics
ORO - Oil Range Organics

< - less than laboratory reporting limit
Bold numbers indicate result equaled or exceeded standard.
NA - Not Analyzed/Not Available
COGCC - Colorado Oil and Gas Conservation Commission
* - Standard applies to combined DRO-GRO-ORO



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.374.5933 - fax

April 14, 2008

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - Nishimoto George GU #1

Enclosed are the results of analyses for samples received by Summit Scientific on 04/10/08 07:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS' or 'Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

Vice President / Laboratory Director



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
04/14/08 15:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB01@3-4'	R804061-01	Soil	04/09/08 08:50	04/10/08 07:30
SB02@3-4'	R804061-02	Soil	04/09/08 09:20	04/10/08 07:30

Summit Scientific

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
04/14/08 15:40

Summit Scientific 284061

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-277-9531 Fax

Page / of /

Client: LT Environmental, Inc.

Address: 4600 West 60th Avenue

City/State/Zip: Arvada, CO 80003

Phone: (303) 433-9788

Sampler Name: M.L. ()

[Signature]

Client: LT Environmental, Inc.
Address: 4600 West 60th Avenue
Project Manager: John Cocroft

City/State/Zip: Arvada, CO 80003 E-Mail: icocroft@itenv.com

Phone: (303) 433-9788	Fax: (303) 433-1432	Project Name: Nishimoto Garage	GU #/
-----------------------	---------------------	--------------------------------	-------

Sampler Name: Mt. () 101

[illegible]

www.s2scientific.com

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
04/14/08 15:40

SB01@3-4'
R804061-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/09/08 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	3900	50	mg/kg	1	8041106	04/11/08	04/12/08	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	1400	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/09/08 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		85.8 %	70-130		"	"	"	"	
Surrogate: Trifluorotoluene		79.5 %	70-130		"	"	"	"	

Date Sampled: **04/09/08 08:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C36 Total TEPH	5300		"	"	[CALC]	"	"	EPA 8015	

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
04/14/08 15:40

SB02@3-4'
R804061-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/09/08 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C10 (TEPH-GRO)	4400	50	mg/kg	1	8041106	04/11/08	04/12/08	8015 Full Carbon Chain	
C10-C28 (TEPH-DRO)	1400	50	"	"	"	"	"	"	
C28-C36 (TEPH-ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/09/08 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: <i>o</i> -Terphenyl		106 %	70-130		"	"	"	"	
Surrogate: Trifluorotoluene		102 %	70-130		"	"	"	"	

Date Sampled: **04/09/08 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C36 Total TEPH	5800		"	"	[CALC]	"	"	EPA 8015	

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
04/14/08 15:40

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 8041106 - EPA 3550A

Blank (8041106-BLK1)

Prepared: 04/11/08 Analyzed: 04/12/08

C6-C10 (TEPH-GRO)	ND	50	mg/kg
C10-C28 (TEPH-DRO)	ND	50	"
C28-C36 (TEPH-ORO)	ND	50	"

Surrogate: o-Terphenyl	55.3	"	50.0	111	70-130
Surrogate: Trifluorotoluene	104	"	100	104	70-130

LCS (8041106-BS1)

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	567	50	mg/kg	500	113	65.3-142
Surrogate: o-Terphenyl	51.2		"	0.470	NR	70-130
Surrogate: Trifluorotoluene	98.8		"	0.940	NR	70-130

LCS Dup (8041106-BSD1)

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	586	50	mg/kg	500	117	65.3-142	3.30	19.7
Surrogate: o-Terphenyl	49.4		"	0.470	NR	70-130		
Surrogate: Trifluorotoluene	96.1		"	0.940	NR	70-130		

Matrix Spike (8041106-MS1)

Source: R804059-01

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	744	50	mg/kg	500	200	109	55.2-139
Surrogate: o-Terphenyl	48.1		"	0.470		NR	70-130
Surrogate: Trifluorotoluene	97.0		"	0.940		NR	70-130

Matrix Spike Dup (8041106-MSD1)

Source: R804059-01

Prepared: 04/11/08 Analyzed: 04/12/08

C10-C28 (TEPH-DRO)	999	50	mg/kg	500	200	160	55.2-139	29.3	16.7
Surrogate: o-Terphenyl	56.9		"	0.470		NR	70-130		
Surrogate: Trifluorotoluene	112		"	0.940		NR	70-130		

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
04/14/08 15:40

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

A handwritten signature in black ink, appearing to be 'JMM' with a long, sweeping underline.

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

May 12, 2008

John Cocroft

LT Environmental, Inc.

4600 West 60th Avenue

Arvada, CO 80003

RE: KMG - Nishimoto George GU #1

Enclosed are the results of analyses for samples received by Summit Scientific on 05/08/08 08:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'BS' or 'Shrewsbury', with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury

Vice President / Laboratory Director



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	R805040-01	Water	05/07/08 11:30	05/08/08 08:40
MW02	R805040-02	Water	05/07/08 11:40	05/08/08 08:40
AMMW01	R805040-03	Water	05/07/08 11:35	05/08/08 08:40
AMMW02	R805040-04	Water	05/07/08 11:45	05/08/08 08:40

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1
Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

MW01
R805040-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/07/08 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	18	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	220	20	"	20	"	"	05/12/08	"	
Xylenes (total)	3700	20	"	"	"	"	"	"	

Date Sampled: **05/07/08 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	90.2-124		"	"	05/11/08	"	
Surrogate: Toluene-d8		102 %	92.1-106		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	84.5-110		"	"	"	"	

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1
Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

MW02
R805040-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/07/08 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	170	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	150	1.0	"	"	"	"	"	"	
Xylenes (total)	1400	50	"	50	"	"	05/12/08	"	

Date Sampled: **05/07/08 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	90.2-124		"	"	05/11/08	"	
Surrogate: Toluene-d8		101 %	92.1-106		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.2 %	84.5-110		"	"	"	"	

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1
Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

AMMW01
R805040-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/07/08 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3.0	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	6.1	1.0	"	"	"	"	"	"	
Xylenes (total)	120	1.0	"	"	"	"	"	"	

Date Sampled: **05/07/08 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.5 %	90.2-124		"	"	"	"	S-04
Surrogate: Toluene-d8		107 %	92.1-106		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		86.5 %	84.5-110		"	"	"	"	

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1
Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

AMMW02
R805040-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/07/08 11:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	8050808	05/08/08	05/11/08	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Date Sampled: **05/07/08 11:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		90.2 %	90.2-124		"	"	"	"	
Surrogate: Toluene-d8		101 %	92.1-106		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	84.5-110		"	"	"	"	

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1
Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 8050808 - EPA 5030 Water MS

Blank (8050808-BLK1)

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	90.2-124			
Surrogate: Toluene-d8	13.4		"	13.3		101	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	84.5-110			

LCS (8050808-BS1)

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	33.8	1.0	ug/l	33.3		102	61.4-110			
Toluene	33.3	1.0	"	33.3		100	54.2-116			
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.7	90.2-124			
Surrogate: Toluene-d8	13.4		"	13.3		101	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		100	84.5-110			

LCS Dup (8050808-BSD1)

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	33.9	1.0	ug/l	33.3		102	61.4-110	0.295	11.8	
Toluene	33.3	1.0	"	33.3		100	54.2-116	0.00	12.2	
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	90.2-124			
Surrogate: Toluene-d8	13.4		"	13.3		101	92.1-106			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		99.2	84.5-110			

Matrix Spike (8050808-MS1)

Source: R805039-01

Prepared: 05/08/08 Analyzed: 05/10/08

Benzene	1730	1.0	ug/l	33.3	2700	NR	61.5-109			QM-05
Toluene	486	1.0	"	33.3	1700	NR	55.6-113			QM-05
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.3		86.5	90.2-124			S-04
Surrogate: Toluene-d8	14.0		"	13.3		105	92.1-106			
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3		91.7	84.5-110			

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch 8050808 - EPA 5030 Water MS

Matrix Spike Dup (8050808-MSD1)		Source: R805039-01			Prepared: 05/08/08		Analyzed: 05/10/08			
Benzene	1280	1.0	ug/l	33.3	2700	NR	61.5-109	29.9	21.7	QM-05
Toluene	896	1.0	"	33.3	1700	NR	55.6-113	59.3	9.18	QM-05
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.3		98.5	90.2-124			
Surrogate: Toluene-d8	13.7		"	13.3		103	92.1-106			
Surrogate: 4-Bromofluorobenzene	12.2		"	13.3		91.7	84.5-110			

Summit Scientific

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



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: KMG - Nishimoto George GU #1

Project Number: KMG 05131
Project Manager: John Cocroft

Reported:
05/12/08 13:08

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Summit Scientific

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



January 15, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - Nishimoto George Gu #1

Project Number - [none]

Attached are your analytical results for Nishimoto George Gu #1 received by Origins Laboratory, Inc. January 14, 2015. This project is associated with Origins project number X501107-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S01 @ 4'	X501107-01	Soil	January 14, 2015 8:55	01/14/2015 17:57
S02 @ 4'	X501107-02	Soil	January 14, 2015 9:25	01/14/2015 17:57
S03 @ 4'	X501107-03	Soil	January 14, 2015 16:20	01/14/2015 17:57
W01 @ 4'	X501107-04	Soil	January 14, 2015 16:00	01/14/2015 17:57
W02 @ 4'	X501107-05	Soil	January 14, 2015 16:10	01/14/2015 17:57

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

ORIGINS
LABORATORY, INC

www.originslaboratory.com

page 1 of 1

Client: LTE

Address: 4600 W. 60th Ave.
Arvada CO 80003

Telephone Number: 303-433-9788

Email Address: cbrunna@ltenv.com, averbonitz@ltenv.com

Project Manager: Andy Verbonitz

Project Name: Nishimoto George Gu #1

Project Number: Chris Brown

Samples Collected By: Chris Brown

Sample ID Description

501 @ 4'

502 @ 4'

503 @ 4'

W01 @ 4'

W02 @ 4'

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other		
501 @ 4'	11/14/15	08:55	2	X				X	X			X	1
502 @ 4'		09:25	2	X				X	X			X	2
503 @ 4'		16:20	2	X				X	X			X	3
W01 @ 4'		16:00	2	X				X	X			X	4
W02 @ 4'		16:10	2	X				X	X			X	5
													6
													7
													8
													9
													10

Relinquished By: [Signature]

Relinquished By: [Signature]

Date: 11/14/15

Date: 11/14/15

Time: 1757

Time: 1757

Received By: [Signature]

Received By: [Signature]

Date: 11/14/15

Date: 11/14/15

Time: 1757

Time: 1757

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

Temp Received: 2.4

Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

Origins Laboratory

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

X501107

Sample Receipt Checklist

Origins Work Order: **X501107**

Client: LTE

Client Project ID: Nishimoto George

Checklist Completed by: Jeff Smith

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

Date/time completed: 1/14/15

Airbill #: NA

Matrix(s) Received: (Check all that apply): X Soil/Solid Water Other:

Cooler Number/Temperature: 1 / 2.4 °C / °C / °C (Describe) °C

Thermometer ID: TU03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<u>X</u>			
Is there ice present (document if blue ice is used)	<u>X</u>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<u>X</u>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<u>X</u>		
Were all samples received intact ⁽¹⁾ ?	<u>X</u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u>X</u>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<u>X</u>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<u>X</u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u>X</u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u>X</u>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<u>X</u>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<u>X</u>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<u>X</u>	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

2-14-15
Date/Time Reviewed

Origins Laboratory, Inc.

Jeff Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

S01 @ 4'
1/14/2015 8:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501107-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A14006	01/14/2015	01/14/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	104 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	127 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A14005	01/14/2015	01/14/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	76.4 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

S02 @ 4'
1/14/2015 9:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501107-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A14006	01/14/2015	01/14/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	122 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A14005	01/14/2015	01/15/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	90.4 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

S03 @ 4'
1/14/2015 4:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501107-03 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A14006	01/14/2015	01/14/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	121 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A14005	01/14/2015	01/15/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	94.1 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

W01 @ 4'
1/14/2015 4:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501107-04 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A14006	01/14/2015	01/14/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
Surrogate: Toluene-d8	100 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	162 %	70-130			"	"	" S-04

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A14005	01/14/2015	01/15/2015
Diesel (C10-C28)	69	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	80.7 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

W02 @ 4'
1/14/2015 4:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501107-05 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A14006	01/14/2015	01/14/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	116 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A14005	01/14/2015	01/15/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	76.9 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

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

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

Batch 5A14006 - EPA 5030 (soil)

Blank (5A14006-BLK1)

Prepared: 01/14/2015 Analyzed: 01/14/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	74		"	62.5		118	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A14006 - EPA 5030 (soil)										
LCS (5A14006-BS1)					Prepared: 01/14/2015 Analyzed: 01/14/2015					
Benzene	0.103	0.002	mg/kg	0.100		103	77.1-124			
Toluene	0.108	0.002	"	0.100		108	74.5-128			
Ethylbenzene	0.106	0.002	"	0.100		106	66.4-127			
m,p-Xylene	0.211	0.004	"	0.200		105	76.6-124			
o-Xylene	0.107	0.002	"	0.100		107	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		101	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		89.9	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

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

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

Batch 5A14006 - EPA 5030 (soil)

Matrix Spike (5A14006-MS1)		Source: X501091-01			Prepared: 01/14/2015 Analyzed: 01/14/2015					
Benzene	0.103	0.002	mg/kg	0.100	0.002	101	71.8-126			
Toluene	0.110	0.002	"	0.100	0.007	103	65.1-130			
Ethylbenzene	0.130	0.002	"	0.100	0.029	101	62.2-130			
m,p-Xylene	0.430	0.004	"	0.200	0.321	54.5	46.5-137			
o-Xylene	0.151	0.002	"	0.100	0.066	85.9	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	68		"	62.5		109	70-130			
Surrogate: 4-Bromofluorobenzene	75		"	62.5		121	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A14006 - EPA 5030 (soil)										
Matrix Spike Dup (5A14006-MSD1)										
					Source: X501091-01					
										Prepared: 01/14/2015 Analyzed: 01/14/2015
Benzene	0.100	0.002	mg/kg	0.100	0.002	98.0	71.8-126	3.04	11.3	
Toluene	0.100	0.002	"	0.100	0.007	93.6	65.1-130	8.84	15.4	
Ethylbenzene	0.117	0.002	"	0.100	0.029	87.6	62.2-130	10.8	19.6	
m,p-Xylene	0.446	0.004	"	0.200	0.321	62.7	46.5-137	3.76	19.2	
o-Xylene	0.152	0.002	"	0.100	0.066	86.1	54.2-134	0.119	17.9	
Surrogate: 1,2-Dichloroethane-d4	67		ug/kg	62.5		107	70-130			
Surrogate: Toluene-d8	79		"	62.5		126	70-130			
Surrogate: 4-Bromofluorobenzene	85		"	62.5		136	70-130			S-04

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Extractable Petroleum Hydrocarbons by 8015M - Quality Control

Origins Laboratory, Inc.

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

Batch 5A14005 - EPA 3580

Blank (5A14005-BLK1)

Prepared: 01/14/2015 Analyzed: 01/14/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

48.5

"

50.0

96.9

65-146

LCS (5A14005-BS1)

Prepared: 01/14/2015 Analyzed: 01/14/2015

Gasoline (C6-C10)	680	50	mg/kg	1000	67.8	66.7-119
Diesel (C10-C28)	710	50	"	1000	71.0	70.1-127
Residual Range Organics (C28-C36)	800	200	"	1000	80.5	54.5-139

Surrogate: o-Terphenyl

35.4

"

50.0

70.7

65-146

Matrix Spike (5A14005-MS1)

Source: X501090-03

Prepared: 01/14/2015 Analyzed: 01/14/2015

Gasoline (C6-C10)	790	50	mg/kg	1000	20	77.3	56.4-132
Diesel (C10-C28)	890	50	"	1000	21	86.5	57.4-138
Residual Range Organics (C28-C36)	980	200	"	1000	17	96.1	47.7-129

Surrogate: o-Terphenyl

42.6

"

50.0

85.2

65-146

Matrix Spike Dup (5A14005-MSD1)

Source: X501090-03

Prepared: 01/14/2015 Analyzed: 01/14/2015

Gasoline (C6-C10)	790	50	mg/kg	1000	20	77.2	56.4-132	0.0885	22
Diesel (C10-C28)	840	50	"	1000	21	82.1	57.4-138	5.02	18.3
Residual Range Organics (C28-C36)	950	200	"	1000	17	92.9	47.7-129	3.38	30.1

Surrogate: o-Terphenyl

42.8

"

50.0

85.6

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: [none]
Project: Nishimoto George Gu #1

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 17, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - Nishimoto George Gu #1

Project Number - KMG05131

Attached are your analytical results for Nishimoto George Gu #1 received by Origins Laboratory, Inc. January 16, 2015. This project is associated with Origins project number X501149-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP01	X501149-01	Soil	January 16, 2015 11:40	01/16/2015 14:02
SP02	X501149-02	Soil	January 16, 2015 11:50	01/16/2015 14:02

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

ORIGINS
LABORATORY, INC

www.originslaboratory.com

X 501149

page 1 of 1

Client: LT Environmental, Inc. Project Manager: Andy Verbonitz
Address: 4600 W. 60th Ave. Project Name: Nishimoto George Gu #1
Arvada, CO 80003 Project Number: KMG05131
Telephone Number: 303-433-9788 Samples Collected By: Chris Brown
Email Address: cbrown@tenv.com, avo-bonitz@tenv.com

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
SP01	1/16/15	11:40	2	X				X					1
SP02	1/16/15	11:50	2	X				X					2
													3
													4
													5
													6
													7
													8
													9
													10

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Turnaround Time:
<i>Chris M</i>	1/16/15	14:02	<i>Verbonitz</i>	1/16/15	14:02	Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	

Temp Received: 2.3 °C Date Results Needed

Origins Laboratory, Inc.

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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada

CO

80003

Andy Verbonitz

Project Number: KMG05131

Project: Nishimoto George Gu #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XS01149

Client: LTE

Client Project ID: Nishimoto George Gu #1

Checklist Completed by: Jan Pellegrini

Shipped Via: H/D

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

Date/time completed: 1-16-15

Airbill #: N/A

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

Cooler Number/Temperature: 2.3 / _____ °C / _____ °C / _____ °C / _____ °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by: [Signature] (Project Manager)

Date/Time Reviewed: 01-16-15

Origins Laboratory, Inc.

[Signature]

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

SP01

1/16/2015 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501149-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A16002	01/16/2015	01/17/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.080	0.050	"	"	"	"	"
Xylenes, total	1.94	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"
Surrogate: Toluene-d8	114 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	230	50	mg/kg	1	5A16003	01/16/2015	01/16/2015
Diesel (C10-C28)	170	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	107 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

SP02

1/16/2015 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501149-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A16002	01/16/2015	01/17/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.076	0.050	"	"	"	"	"
Xylenes, total	1.86	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"
Surrogate: Toluene-d8	114 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	110 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	320	50	mg/kg	1	5A16003	01/16/2015	01/16/2015
Diesel (C10-C28)	240	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	114 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

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

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

Batch 5A16002 - EPA 5030 (soil)

Blank (5A16002-BLK1)

Prepared: 01/16/2015 Analyzed: 01/17/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	68		ug/kg	62.5	109		70-130			
Surrogate: Toluene-d8	62		"	62.5	98.6		70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5	92.2		70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A16002 - EPA 5030 (soil)										
LCS (5A16002-BS1)					Prepared: 01/16/2015 Analyzed: 01/17/2015					
Benzene	0.093	0.002	mg/kg	0.100		93.2	77.1-124			
Toluene	0.093	0.002	"	0.100		92.6	74.5-128			
Ethylbenzene	0.094	0.002	"	0.100		93.6	66.4-127			
m,p-Xylene	0.175	0.004	"	0.200		87.7	76.6-124			
o-Xylene	0.099	0.002	"	0.100		99.0	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		96.8	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

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

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

Batch 5A16002 - EPA 5030 (soil)

Matrix Spike (5A16002-MS1)		Source: X501130-01			Prepared: 01/16/2015 Analyzed: 01/17/2015					
Benzene	0.403	0.002	mg/kg	0.100	0.313	89.9	71.8-126			
Toluene	0.501	0.002	"	0.100	0.511	NR	65.1-130			QM-02
Ethylbenzene	0.200	0.002	"	0.100	0.164	36.9	62.2-130			QM-02
m,p-Xylene	0.510	0.004	"	0.200	0.516	NR	46.5-137			QM-02
o-Xylene	0.302	0.002	"	0.100	0.282	19.2	54.2-134			QM-02
Surrogate: 1,2-Dichloroethane-d4	78		ug/kg	62.5		124	70-130			
Surrogate: Toluene-d8	84		"	62.5		134	70-130			S-02
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.6	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A16002 - EPA 5030 (soil)										
Matrix Spike Dup (5A16002-MSD1)					Source: X501130-01					
										Prepared: 01/16/2015 Analyzed: 01/17/2015
Benzene	0.343	0.002	mg/kg	0.100	0.313	29.7	71.8-126	16.2	11.3	QM-02
Toluene	0.472	0.002	"	0.100	0.511	NR	65.1-130	5.96	15.4	QM-02
Ethylbenzene	0.206	0.002	"	0.100	0.164	42.3	62.2-130	2.66	19.6	QM-02
m,p-Xylene	0.506	0.004	"	0.200	0.516	NR	46.5-137	0.760	19.2	QM-02
o-Xylene	0.298	0.002	"	0.100	0.282	15.2	54.2-134	1.32	17.9	QM-02
Surrogate: 1,2-Dichloroethane-d4	79		ug/kg	62.5		127	70-130			
Surrogate: Toluene-d8	93		"	62.5		148	70-130			S-02
Surrogate: 4-Bromofluorobenzene	58		"	62.5		92.8	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Extractable Petroleum Hydrocarbons by 8015M - Quality Control

Origins Laboratory, Inc.

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

Batch 5A16003 - EPA 3580

Blank (5A16003-BLK1)

Prepared: 01/16/2015 Analyzed: 01/16/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

53.4

"

50.0

107

65-146

LCS (5A16003-BS1)

Prepared: 01/16/2015 Analyzed: 01/16/2015

Gasoline (C6-C10)	960	50	mg/kg	1000	95.8	66.7-119
Diesel (C10-C28)	990	50	"	1000	98.6	70.1-127
Residual Range Organics (C28-C36)	1100	200	"	1000	112	54.5-139

Surrogate: o-Terphenyl

50.9

"

50.0

102

65-146

Matrix Spike (5A16003-MS1)

Source: X501130-01

Prepared: 01/16/2015 Analyzed: 01/16/2015

Gasoline (C6-C10)	1100	50	mg/kg	1000	59	100	56.4-132
Diesel (C10-C28)	1300	50	"	1000	190	114	57.4-138
Residual Range Organics (C28-C36)	1200	200	"	1000	20	114	47.7-129

Surrogate: o-Terphenyl

47.1

"

50.0

94.1

65-146

Matrix Spike Dup (5A16003-MSD1)

Source: X501130-01

Prepared: 01/16/2015 Analyzed: 01/16/2015

Gasoline (C6-C10)	880	50	mg/kg	1000	59	82.6	56.4-132	18.4	22
Diesel (C10-C28)	1100	50	"	1000	190	94.2	57.4-138	16.0	18.3
Residual Range Organics (C28-C36)	950	200	"	1000	20	93.0	47.7-129	19.9	30.1

Surrogate: o-Terphenyl

38.8

"

50.0

77.6

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: Nishimoto George Gu #1

Notes and Definitions

- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 20, 2015

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George received by Origins Laboratory, Inc. January 19, 2015. This project is associated with Origins project number X501177-01.

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

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

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

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

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

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



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: KMG05131

Project: KMG - Nishimoto George

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP02R	X501177-01	Soil	January 19, 2015 14:15	01/19/2015 15:58

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

ORIGINS

X501177

page of

Client: LTE
Address: 4600 W. 60th Ave.
Arvada, CO 80003
Telephone Number: 303-433-9789
Email Address: Central@ltenvironment.com, arvada@ltenvironment.com
Project Manager: Andy Vertecnik
Project Name: Nishimoto George
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	Preservative			Matrix			Analysis			Sample Vials/Containers
			HCl	HNO ₃	Other	Soil	Air	Water	Other	As	Pb	
4902R	11/9/15	14:15	X			X			X			1
												2
												3
												4
												5
												6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 11/9/15 Time: 14:58
Received By: [Signature] Date: 11/9/15 Time: 15:58
Temp Received: 34

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X 501177

Client: LTE

Client Project ID: Nishimoto George

Checklist Completed by: J. J. Smith

Shipped Via: H/D

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

Date/Time completed: 1/15/15

Airbill #: N/A

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

Water

Other:

Cooler Number/Temperature: 1 / 3.2 °C / °C / °C (Describe)

Thermometer ID: 7803

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 8°C?	<u>X</u>			
Is there ice present (document if blue ice is used)	<u>X</u>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<u>X</u>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<u>X</u>		
Were all samples received intact?	<u>X</u>			
Was adequate sample volume provided?	<u>X</u>			
Are short holding time analytes or samples with RTs due within 48 hours present?		<u>X</u>		
Is a chain-of-custody (COC) present and filled out completely?	<u>X</u>			
Does the COC agree with the number and type of sample bottles received?	<u>X</u>			
Do the sample IDs on the bottle labels match the COC?	<u>X</u>			
Is the COC properly relinquished by the client with date and time recorded?	<u>X</u>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<u>X</u>	
Are samples preserved that require preservation and was it checked? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄ ; (pH > 10 for samples preserved with NaAsO ₂ -NaOH, ZnAc-NaOH)			<u>X</u>	
Additional Comments (if any)				

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

Reviewed: [Signature] (Project Manager)

1/14/15
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

SP02R
1/19/2015 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501177-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A19013	01/19/2015	01/20/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.082	0.050	"	"	"	"	"
Xylenes, total	2.00	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	01/19/2015
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	94.2 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A19012	01/19/2015	01/19/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	105 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

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

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

Batch 5A19013 - EPA 5030 (soil)

Blank (5A19013-BLK1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5	104	70-130				
Surrogate: Toluene-d8	61		"	62.5	98.1	70-130				
Surrogate: 4-Bromofluorobenzene	60		"	62.5	95.2	70-130				

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A19013 - EPA 5030 (soil)										
LCS (5A19013-BS1)					Prepared: 01/19/2015 Analyzed: 01/19/2015					
Benzene	0.093	0.002	mg/kg	0.100		92.8	77.1-124			
Toluene	0.087	0.002	"	0.100		86.7	74.5-128			
Ethylbenzene	0.089	0.002	"	0.100		89.3	66.4-127			
m,p-Xylene	0.168	0.004	"	0.200		84.1	76.6-124			
o-Xylene	0.092	0.002	"	0.100		92.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: KMG05131

Project: KMG - Nishimoto George

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

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

Batch 5A19013 - EPA 5030 (soil)

Matrix Spike (5A19013-MS1)		Source: X501182-01			Prepared: 01/19/2015 Analyzed: 01/19/2015					
Benzene	0.082	0.002	mg/kg	0.100	ND	81.7	71.8-126			
Toluene	0.075	0.002	"	0.100	ND	74.7	65.1-130			
Ethylbenzene	0.074	0.002	"	0.100	ND	74.2	62.2-130			
m,p-Xylene	0.143	0.004	"	0.200	ND	71.7	46.5-137			
o-Xylene	0.076	0.002	"	0.100	ND	76.4	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	71		ug/kg	62.5		114	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: KMG05131

Project: KMG - Nishimoto George

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

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

Batch 5A19013 - EPA 5030 (soil)

Matrix Spike Dup (5A19013-MSD1)		Source: X501182-01			Prepared: 01/19/2015 Analyzed: 01/19/2015				QM-07	
Benzene	0.064	0.002	mg/kg	0.100	ND	63.6	71.8-126	25.0	11.3	
Toluene	0.061	0.002	"	0.100	ND	61.4	65.1-130	19.6	15.4	
Ethylbenzene	0.061	0.002	"	0.100	ND	61.2	62.2-130	19.2	19.6	
m,p-Xylene	0.118	0.004	"	0.200	ND	58.9	46.5-137	19.7	19.2	
o-Xylene	0.065	0.002	"	0.100	ND	64.7	54.2-134	16.6	17.9	
Surrogate: 1,2-Dichloroethane-d4	69		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Extractable Petroleum Hydrocarbons by 8015M - Quality Control

Origins Laboratory, Inc.

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

Batch 5A19012 - EPA 3580

Blank (5A19012-BLK1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

51.8

"

50.0

104

65-146

LCS (5A19012-BS1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	950	50	mg/kg	1000	94.9	66.7-119
Diesel (C10-C28)	990	50	"	1000	99.0	70.1-127
Residual Range Organics (C28-C36)	1100	200	"	1000	108	54.5-139

Surrogate: o-Terphenyl

52.5

"

50.0

105

65-146

Matrix Spike (5A19012-MS1)

Source: X501182-01

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	950	50	mg/kg	1000	20	92.6	56.4-132
Diesel (C10-C28)	980	50	"	1000	17	96.4	57.4-138
Residual Range Organics (C28-C36)	1100	200	"	1000	19	106	47.7-129

Surrogate: o-Terphenyl

50.3

"

50.0

101

65-146

Matrix Spike Dup (5A19012-MSD1)

Source: X501182-01

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	910	50	mg/kg	1000	20	89.2	56.4-132	3.62	22
Diesel (C10-C28)	970	50	"	1000	17	95.2	57.4-138	1.30	18.3
Residual Range Organics (C28-C36)	1100	200	"	1000	19	107	47.7-129	0.912	30.1

Surrogate: o-Terphenyl

49.2

"

50.0

98.4

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131
Project: KMG - Nishimoto George

Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 26, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 19, 2015. This project is associated with Origins project number X501179-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N01 @ 4'	X501179-01	Soil	January 19, 2015 13:10	01/19/2015 15:58
N02 @ 4'	X501179-02	Soil	January 19, 2015 13:20	01/19/2015 15:58
GWEx01	X501179-03	Water	January 16, 2015 12:45	01/19/2015 15:58

Andy took sample -03 off hold on 1-23-15 for a 72 hr TAT.

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

ORIGINS

X501179

page 1 of 1

Client: LTE
Address: 4600 W. 60th Ave.
Telephone Number: 303 433-9148
Email Address: andy.verbonitz@lt-environmental.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative			Matrix			Analysis	Sample Instructions
				HCl	HNO ₃	Other	Soil	Water	Other		
60101	1/14/15	13:10	2	X			X			X	1
60201	1/14/15	13:20	2	X			X			X	2
60301	1/14/15	12:45	4	X			X			X	3
											4
											5
											6
											7
											8
											9
											10
Relinquished By: <u>Chris Brown</u>	Date: <u>1/14/15</u>	Time: <u>15:58</u>		Received By: <u>APP</u>	Date: <u>1/14/15</u>	Time: <u>15:58</u>		Turnaround Time: <u>24 Hr</u>			
Relinquished By:	Date:	Time:		Received By:	Date:	Time:		Turnaround Time: <u>48 Hr</u>			
								Standard			

Date Received

Temp Received- 34

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: **X501179**

Client: **LTE**

Client Project ID: **Nishimoto, G. GU #1**

Checklist Completed by: **J. Pellegrini**

Shipped Via: **H.D.**

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

Date/time completed: **1/17/12**

Airbill # **N/A**

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

Cooler Number/Temperature: **1/3.4** °C / _____ °C / _____ °C (Describe)

Thermometer ID: **7003**

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ^{1,2} ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ^{1,2} ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ^{1,2} ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analytes in order to insure sample integrity/pH < 2 for samples preserved with HNO ₃ , HCl, -SSO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				see

^{1,2} If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to be taken in the analytical comments (above) and the case narrative.

Reviewed by: **J. Pellegrini** (Project Manager)

Date/Time Reviewed: **1/17/12**

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

N01 @ 4'
1/19/2015 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501179-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A19013	01/19/2015	01/19/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	0.002	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"
Surrogate: Toluene-d8	95.7 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	99.6 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A19012	01/19/2015	01/19/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	104 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

N02 @ 4'
1/19/2015 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501179-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A19013	01/19/2015	01/19/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	0.025	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A19012	01/19/2015	01/19/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	96.9 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

GWEx01

1/16/2015 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501179-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5A23012	01/23/2015	01/26/2015
Toluene	ND	1.0	"	"	"	"	"
Ethylbenzene	24.3	1.0	"	"	"	"	"
Xylenes, total	643	1.0	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	87.3-113			"	"	01/26/2015
Surrogate: Toluene-d8	103 %	90.9-108			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	88.6-111			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A19013 - EPA 5030 (soil)

Blank (5A19013-BLK1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5	104	70-130				
Surrogate: Toluene-d8	61		"	62.5	98.1	70-130				
Surrogate: 4-Bromofluorobenzene	60		"	62.5	95.2	70-130				

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A19013 - EPA 5030 (soil)

LCS (5A19013-BS1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Benzene	0.093	0.002	mg/kg	0.100		92.8	77.1-124			
Toluene	0.087	0.002	"	0.100		86.7	74.5-128			
Ethylbenzene	0.089	0.002	"	0.100		89.3	66.4-127			
m,p-Xylene	0.168	0.004	"	0.200		84.1	76.6-124			
o-Xylene	0.092	0.002	"	0.100		92.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.2	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.7	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A19013 - EPA 5030 (soil)

Matrix Spike (5A19013-MS1)		Source: X501182-01			Prepared: 01/19/2015 Analyzed: 01/19/2015					
Benzene	0.082	0.002	mg/kg	0.100	ND	81.7	71.8-126			
Toluene	0.075	0.002	"	0.100	ND	74.7	65.1-130			
Ethylbenzene	0.074	0.002	"	0.100	ND	74.2	62.2-130			
m,p-Xylene	0.143	0.004	"	0.200	ND	71.7	46.5-137			
o-Xylene	0.076	0.002	"	0.100	ND	76.4	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	71		ug/kg	62.5		114	70-130			
Surrogate: Toluene-d8	60		"	62.5		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A19013 - EPA 5030 (soil)

Matrix Spike Dup (5A19013-MSD1)		Source: X501182-01			Prepared: 01/19/2015 Analyzed: 01/19/2015				QM-07	
Benzene	0.064	0.002	mg/kg	0.100	ND	63.6	71.8-126	25.0	11.3	
Toluene	0.061	0.002	"	0.100	ND	61.4	65.1-130	19.6	15.4	
Ethylbenzene	0.061	0.002	"	0.100	ND	61.2	62.2-130	19.2	19.6	
m,p-Xylene	0.118	0.004	"	0.200	ND	58.9	46.5-137	19.7	19.2	
o-Xylene	0.065	0.002	"	0.100	ND	64.7	54.2-134	16.6	17.9	
Surrogate: 1,2-Dichloroethane-d4	69		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

Blank (5A23012-BLK1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	105		87.3-113			
Surrogate: Toluene-d8	60		"	62.5	95.6		90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.2		88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

LCS (5A23012-BS1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Benzene	49.5	1.0	ug/L	50.0	99.0	75-126
Toluene	44.7	1.0	"	50.0	89.3	78.7-126
Ethylbenzene	46.2	1.0	"	50.0	92.3	80-130
m,p-Xylene	88.4	2.0	"	100	88.4	77.2-133
o-Xylene	45.8	1.0	"	50.0	91.6	77.9-126
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104	87.3-113
Surrogate: Toluene-d8	60		"	62.5	96.5	90.9-108
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.8	88.6-111

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

Matrix Spike (5A23012-MS1)		Source: X501249-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	46.4	1.0	ug/L	50.0	0.1	92.7	74-130			
Toluene	44.5	1.0	"	50.0	ND	89.0	73-131			
Ethylbenzene	64.8	1.0	"	50.0	22.0	85.6	76-132			
m,p-Xylene	108	2.0	"	100	26.5	81.4	69-139			
o-Xylene	54.6	1.0	"	50.0	14.9	79.3	74-131			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	87.3-113			
Surrogate: Toluene-d8	63		"	62.5		101	90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

Matrix Spike Dup (5A23012-MSD1)		Source: X501249-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	47.9	1.0	ug/L	50.0	0.1	95.5	74-130	3.05	20	
Toluene	44.3	1.0	"	50.0	ND	88.5	73-131	0.541	20	
Ethylbenzene	62.6	1.0	"	50.0	22.0	81.0	76-132	3.60	20	
m,p-Xylene	112	2.0	"	100	26.5	85.3	69-139	3.59	20	
o-Xylene	59.3	1.0	"	50.0	14.9	88.9	74-131	8.39	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	87.3-113			
Surrogate: Toluene-d8	60		"	62.5		95.4	90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.4	88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A19012 - EPA 3580

Blank (5A19012-BLK1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

51.8

"

50.0

104

65-146

LCS (5A19012-BS1)

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	950	50	mg/kg	1000	94.9	66.7-119
Diesel (C10-C28)	990	50	"	1000	99.0	70.1-127
Residual Range Organics (C28-C36)	1100	200	"	1000	108	54.5-139

Surrogate: o-Terphenyl

52.5

"

50.0

105

65-146

Matrix Spike (5A19012-MS1)

Source: X501182-01

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	950	50	mg/kg	1000	20	92.6	56.4-132
Diesel (C10-C28)	980	50	"	1000	17	96.4	57.4-138
Residual Range Organics (C28-C36)	1100	200	"	1000	19	106	47.7-129

Surrogate: o-Terphenyl

50.3

"

50.0

101

65-146

Matrix Spike Dup (5A19012-MSD1)

Source: X501182-01

Prepared: 01/19/2015 Analyzed: 01/19/2015

Gasoline (C6-C10)	910	50	mg/kg	1000	20	89.2	56.4-132	3.62	22
Diesel (C10-C28)	970	50	"	1000	17	95.2	57.4-138	1.30	18.3
Residual Range Organics (C28-C36)	1100	200	"	1000	19	107	47.7-129	0.912	30.1

Surrogate: o-Terphenyl

49.2

"

50.0

98.4

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 22, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 21, 2015. This project is associated with Origins project number X501219-01.

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

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

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

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

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

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



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N03 @ 4'	X501219-01	Soil	January 21, 2015 11:15	01/21/2015 17:00

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com
page 1 of 1

ORIGINS LABORATORY, INC
X50120219

Client: LTE
Address: 4600 W. 60th Ave.
Arvada, CO 80003
Telephone Number: 303-433-4788
Email Address: clowney@tenv.com, averbonitz@tenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
N03 @ 4'	11/21/14	11:11	2	X				X			BTEX 60/100/200	1
												2
												3
												4
												5
												6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 1/21/15 Time: 16:59
Relinquished By: [Signature] Date: 1/21/15 Time: 17:00

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

Date Results Needed

Temp Received -

Origins Laboratory, Inc.

[Signature]

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X501219

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

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

Date/time completed: 1/21/13

Airbill #: NA

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

Cooler Number/Temperature: 1 / 1.1 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCl, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

N03 @ 4'

1/21/2015 11:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501219-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A21010	01/21/2015	01/22/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	135 %	70-130			"	"	" S-07
Surrogate: Toluene-d8	103 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A21009	01/21/2015	01/21/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	58.7 %	65-146			"	"	" S-DUP
------------------------	--------	--------	--	--	---	---	---------

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A21010 - EPA 5030 (soil)										
Blank (5A21010-BLK1)					Prepared: 01/21/2015 Analyzed: 01/21/2015					
Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	84		ug/kg	62.5	134		70-130			S-07
Surrogate: Toluene-d8	66		"	62.5	106		70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5	105		70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

LCS (5A21010-BS1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Benzene	0.090	0.002	mg/kg	0.100		89.5	77.1-124			
Toluene	0.084	0.002	"	0.100		84.3	74.5-128			
Ethylbenzene	0.081	0.002	"	0.100		81.3	66.4-127			
m,p-Xylene	0.167	0.004	"	0.200		83.4	76.6-124			
o-Xylene	0.085	0.002	"	0.100		84.8	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	81		ug/kg	62.5		129	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

Matrix Spike (5A21010-MS1)		Source: X501206-01			Prepared: 01/21/2015 Analyzed: 01/21/2015					
Benzene	0.092	0.002	mg/kg	0.100	ND	92.3	71.8-126			
Toluene	0.088	0.002	"	0.100	ND	87.6	65.1-130			
Ethylbenzene	0.095	0.002	"	0.100	ND	94.9	62.2-130			
m,p-Xylene	0.188	0.004	"	0.200	ND	94.0	46.5-137			
o-Xylene	0.095	0.002	"	0.100	ND	95.4	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	78		ug/kg	62.5		125	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

Matrix Spike Dup (5A21010-MSD1)		Source: X501206-01			Prepared: 01/21/2015 Analyzed: 01/21/2015					
Benzene	0.095	0.002	mg/kg	0.100	ND	95.4	71.8-126	3.30	11.3	
Toluene	0.091	0.002	"	0.100	ND	90.5	65.1-130	3.32	15.4	
Ethylbenzene	0.094	0.002	"	0.100	ND	93.5	62.2-130	1.44	19.6	
m,p-Xylene	0.199	0.004	"	0.200	ND	99.3	46.5-137	5.55	19.2	
o-Xylene	0.099	0.002	"	0.100	ND	98.8	54.2-134	3.54	17.9	
Surrogate: 1,2-Dichloroethane-d4	79		ug/kg	62.5		126	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A21009 - EPA 3580

Blank (5A21009-BLK1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

56.5

"

50.0

113

65-146

LCS (5A21009-BS1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Gasoline (C6-C10)	970	50	mg/kg	1000	97.5	66.7-119
Diesel (C10-C28)	970	50	"	1000	97.1	70.1-127
Residual Range Organics (C28-C36)	1000	200	"	1000	101	54.5-139

Surrogate: o-Terphenyl

52.6

"

50.0

105

65-146

LCS Dup (5A21009-BSD1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Gasoline (C6-C10)	920	50	mg/kg	1000	92.2	66.7-119	5.57	28.2
Diesel (C10-C28)	920	50	"	1000	91.5	70.1-127	5.90	19.1
Residual Range Organics (C28-C36)	980	200	"	1000	98.0	54.5-139	3.15	21.2

Surrogate: o-Terphenyl

49.7

"

50.0

99.5

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

S-DUP Duplicate analysis confirmed surrogate failure due to matrix effects.

S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 22, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 21, 2015. This project is associated with Origins project number X501220-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP03	X501220-01	Soil	January 21, 2015 14:45	01/21/2015 17:00
SP04	X501220-02	Soil	January 21, 2015 15:00	01/21/2015 17:00
SP05	X501220-03	Soil	January 21, 2015 15:10	01/21/2015 17:00

Origins Laboratory, Inc.



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

Page 3 of 13

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X501220

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jose Smith

Shipped Via: H/D

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

Date/time completed: 1/21/15

Airbill #: 22A

Matrix(s) Received: (Check all that apply): X Soil/Solid Water Other:

Cooler Number/Temperature: 1 13.0 °C °C °C (Describe) °C

Thermometer ID: TGG7

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			X	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

Date/Time Reviewed 01-21-15 1850

Origins Laboratory, Inc.

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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

SP03

1/21/2015 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501220-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A21010	01/21/2015	01/22/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.396	0.050	"	"	"	"	"
Xylenes, total	7.24	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	129 %	70-130			"	"	01/22/2015
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	109 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	260	50	mg/kg	1	5A21009	01/21/2015	01/21/2015
Diesel (C10-C28)	160	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	97.9 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

SP04

1/21/2015 3:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501220-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.100	mg/kg	50	5A21010	01/21/2015	01/22/2015	
Toluene	ND	0.100	"	"	"	"	"	
Ethylbenzene	0.141	0.100	"	"	"	"	"	
Xylenes, total	4.06	0.100	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	134 %	70-130			"	"	"	S-GC
Surrogate: Toluene-d8	103 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	110 %	70-130			"	"	"	

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	91	50	mg/kg	1	5A21009	01/21/2015	01/21/2015	
Diesel (C10-C28)	69	50	"	"	"	"	"	
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"	

Surrogate: o-Terphenyl	80.2 %	65-146			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

SP05

1/21/2015 3:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501220-03 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A21010	01/21/2015	01/22/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.199	0.050	"	"	"	"	"
Xylenes, total	3.72	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4

104 % 70-130

" " "

Surrogate: Toluene-d8

106 % 70-130

" " "

Surrogate: 4-Bromofluorobenzene

103 % 70-130

" " "

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	53	50	mg/kg	1	5A21009	01/21/2015	01/21/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl

78.5 % 65-146

" " "

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

Blank (5A21010-BLK1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	84		ug/kg	62.5	134		70-130			S-07
Surrogate: Toluene-d8	66		"	62.5	106		70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5	105		70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

LCS (5A21010-BS1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Benzene	0.090	0.002	mg/kg	0.100		89.5	77.1-124			
Toluene	0.084	0.002	"	0.100		84.3	74.5-128			
Ethylbenzene	0.081	0.002	"	0.100		81.3	66.4-127			
m,p-Xylene	0.167	0.004	"	0.200		83.4	76.6-124			
o-Xylene	0.085	0.002	"	0.100		84.8	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	81		ug/kg	62.5		129	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

Matrix Spike (5A21010-MS1)		Source: X501206-01			Prepared: 01/21/2015 Analyzed: 01/21/2015					
Benzene	0.092	0.002	mg/kg	0.100	ND	92.3	71.8-126			
Toluene	0.088	0.002	"	0.100	ND	87.6	65.1-130			
Ethylbenzene	0.095	0.002	"	0.100	ND	94.9	62.2-130			
m,p-Xylene	0.188	0.004	"	0.200	ND	94.0	46.5-137			
o-Xylene	0.095	0.002	"	0.100	ND	95.4	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	78		ug/kg	62.5		125	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		105	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A21010 - EPA 5030 (soil)

Matrix Spike Dup (5A21010-MSD1)		Source: X501206-01			Prepared: 01/21/2015 Analyzed: 01/21/2015					
Benzene	0.095	0.002	mg/kg	0.100	ND	95.4	71.8-126	3.30	11.3	
Toluene	0.091	0.002	"	0.100	ND	90.5	65.1-130	3.32	15.4	
Ethylbenzene	0.094	0.002	"	0.100	ND	93.5	62.2-130	1.44	19.6	
m,p-Xylene	0.199	0.004	"	0.200	ND	99.3	46.5-137	5.55	19.2	
o-Xylene	0.099	0.002	"	0.100	ND	98.8	54.2-134	3.54	17.9	
Surrogate: 1,2-Dichloroethane-d4	79		ug/kg	62.5		126	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Extractable Petroleum Hydrocarbons by 8015M - Quality Control

Origins Laboratory, Inc.

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

Batch 5A21009 - EPA 3580

Blank (5A21009-BLK1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

56.5

"

50.0

113

65-146

LCS (5A21009-BS1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Gasoline (C6-C10)	970	50	mg/kg	1000	97.5	66.7-119
Diesel (C10-C28)	970	50	"	1000	97.1	70.1-127
Residual Range Organics (C28-C36)	1000	200	"	1000	101	54.5-139

Surrogate: o-Terphenyl

52.6

"

50.0

105

65-146

LCS Dup (5A21009-BSD1)

Prepared: 01/21/2015 Analyzed: 01/21/2015

Gasoline (C6-C10)	920	50	mg/kg	1000	92.2	66.7-119	5.57	28.2
Diesel (C10-C28)	920	50	"	1000	91.5	70.1-127	5.90	19.1
Residual Range Organics (C28-C36)	980	200	"	1000	98.0	54.5-139	3.15	21.2

Surrogate: o-Terphenyl

49.7

"

50.0

99.5

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President



January 23, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 22, 2015. This project is associated with Origins project number X501234-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP06	X501234-01	Soil	January 22, 2015 13:45	01/22/2015 13:56
SP07	X501234-02	Soil	January 22, 2015 13:50	01/22/2015 13:56

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

X501234

ORIGINS
LABORATORY, INC

page 1 of 1

Client: LTE
Address: 4600 W. 60th Ave.
Arvada, CO 80003
Telephone Number: 303-433-9788
Email Address: coram@tenv.com, avxbonitz@tenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
SPO6	1/22/15	13:45	2	X				X			X	X	1
SPO7	1/22/15	13:50	2	X				X			X	X	2
													3
													4
													5
													6
													7
													8
													9
													10
Relinquished By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:56</u>											Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard
Relinquished By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:56</u>											

Date Results Needed

Temp Received-3.1

Origins Laboratory, Inc.

[Signature]

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XS01234

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

Shipped Via: H/D

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

Date/time completed: 1/22/15

Airbill #: NA

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

Cooler Number/Temperature: 1 / 3.1 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP06**1/22/2015 1:45:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

**Origins Laboratory, Inc.
X501234-01 (Soil)****BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	5A22005	01/22/2015	01/22/2015
Toluene	0.003	0.002	"	"	"	"	"
Ethylbenzene	0.062	0.002	"	"	"	"	"
Xylenes, total	0.636	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	01/23/2015
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A22006	01/22/2015	01/22/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	95.7 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

SP07

1/22/2015 1:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501234-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A22005	01/22/2015	01/22/2015
Toluene	0.002	0.002	"	"	"	"	"
Ethylbenzene	0.043	0.002	"	"	"	"	"
Xylenes, total	0.676	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"
Surrogate: Toluene-d8	128 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	128 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A22006	01/22/2015	01/22/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	88.1 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Batch 5A22005 - EPA 5030 (soil)

Blank (5A22005-BLK1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.6	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A22005 - EPA 5030 (soil)

LCS (5A22005-BS1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Benzene	0.097	0.002	mg/kg	0.100		96.8	77.1-124			
Toluene	0.098	0.002	"	0.100		98.4	74.5-128			
Ethylbenzene	0.110	0.002	"	0.100		110	66.4-127			
m,p-Xylene	0.214	0.004	"	0.200		107	76.6-124			
o-Xylene	0.103	0.002	"	0.100		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.5	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A22005 - EPA 5030 (soil)

Matrix Spike (5A22005-MS1)		Source: X501205-01			Prepared: 01/22/2015 Analyzed: 01/22/2015					
Benzene	0.082	0.002	mg/kg	0.100	ND	82.4	71.8-126			
Toluene	0.085	0.002	"	0.100	ND	85.5	65.1-130			
Ethylbenzene	0.090	0.002	"	0.100	ND	90.3	62.2-130			
m,p-Xylene	0.177	0.004	"	0.200	ND	88.7	46.5-137			
o-Xylene	0.087	0.002	"	0.100	ND	87.1	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.6	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A22005 - EPA 5030 (soil)

Matrix Spike Dup (5A22005-MSD1)		Source: X501205-01			Prepared: 01/22/2015 Analyzed: 01/22/2015					
Benzene	0.086	0.002	mg/kg	0.100	ND	86.1	71.8-126	4.42	11.3	
Toluene	0.087	0.002	"	0.100	ND	86.7	65.1-130	1.46	15.4	
Ethylbenzene	0.092	0.002	"	0.100	ND	92.1	62.2-130	1.97	19.6	
m,p-Xylene	0.184	0.004	"	0.200	ND	92.0	46.5-137	3.60	19.2	
o-Xylene	0.091	0.002	"	0.100	ND	90.8	54.2-134	4.23	17.9	
Surrogate: 1,2-Dichloroethane-d4	68		ug/kg	62.5		108	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A22006 - EPA 3580

Blank (5A22006-BLK1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

38.6

"

50.0

77.3

65-146

LCS (5A22006-BS1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	840	50	mg/kg	1000	83.8	66.7-119
Diesel (C10-C28)	830	50	"	1000	82.8	70.1-127
Residual Range Organics (C28-C36)	900	200	"	1000	90.4	54.5-139

Surrogate: o-Terphenyl

36.6

"

50.0

73.2

65-146

Matrix Spike (5A22006-MS1)

Source: X501205-01

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	800	50	mg/kg	1000	22	78.3	56.4-132
Diesel (C10-C28)	830	50	"	1000	27	80.5	57.4-138
Residual Range Organics (C28-C36)	910	200	"	1000	22	88.7	47.7-129

Surrogate: o-Terphenyl

ND

"

2.00

65-146

Matrix Spike Dup (5A22006-MSD1)

Source: X501205-01

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	910	50	mg/kg	1000	22	88.6	56.4-132	12.1	22
Diesel (C10-C28)	960	50	"	1000	27	93.5	57.4-138	14.4	18.3
Residual Range Organics (C28-C36)	1100	200	"	1000	22	107	47.7-129	18.0	30.1

Surrogate: o-Terphenyl

32.0

"

50.0

64.0

65-146

S-04

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President



January 26, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 23, 2015. This project is associated with Origins project number X501255-01.

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

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

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

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

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

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



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP08	X501255-01	Soil	January 23, 2015 16:15	01/23/2015 17:58

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

ORIGINS LABORATORY, INC

XS012SS

Client: LTE
Address: 4600 W. 60th Ave
Arvada, CO 80003
Telephone Number: 303-433-9788
Email Address: cbrown@ltenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Groundwater	Soil	Air Summa Canister #	Other	Other	Other	
G908	1/23/15	16:15	1	X				X				X	1
													2
													3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: Chris Brown Date: 1/23/15 Time: 17:58
Relinquished By: Andy Verbonitz Date: 1/23/15 Time: 17:58

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

Temp Received: 1.7 Date Results Needed: 1/23/15

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XSA12SS

Client: LTE

Client Project ID: Nishimoto George GU#1

Checklist Completed by: Jesse Smith

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

Date/time completed: 1/23/15

Airbill #: NSA

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

Cooler Number/Temperature: 1 / 1.5 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 01-26-15

Origins Laboratory, Inc.

Jesse Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP08

1/23/2015 4:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501255-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A23010	01/23/2015	01/24/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	0.032	0.002	"	"	"	"	"
Xylenes, total	0.586	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	117 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	128 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A23011	"	01/24/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	82.5 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23010 - EPA 5030 (soil)

Blank (5A23010-BLK1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5	99.3		70-130			
Surrogate: Toluene-d8	63		"	62.5	100		70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5	103		70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A23010 - EPA 5030 (soil)										
LCS (5A23010-BS1)					Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.104	0.002	"	0.100		104	74.5-128			
Ethylbenzene	0.113	0.002	"	0.100		113	66.4-127			
m,p-Xylene	0.225	0.004	"	0.200		112	76.6-124			
o-Xylene	0.110	0.002	"	0.100		110	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23010 - EPA 5030 (soil)

Matrix Spike (5A23010-MS1)		Source: X501248-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	0.088	0.002	mg/kg	0.100	ND	87.5	71.8-126			
Toluene	0.091	0.002	"	0.100	ND	91.4	65.1-130			
Ethylbenzene	0.099	0.002	"	0.100	ND	99.4	62.2-130			
m,p-Xylene	0.197	0.004	"	0.200	ND	98.3	46.5-137			
o-Xylene	0.094	0.002	"	0.100	ND	93.6	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A23010 - EPA 5030 (soil)										
Matrix Spike Dup (5A23010-MSD1)		Source: X501248-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	0.097	0.002	mg/kg	0.100	ND	96.9	71.8-126	10.2	11.3	
Toluene	0.098	0.002	"	0.100	ND	98.5	65.1-130	7.48	15.4	
Ethylbenzene	0.105	0.002	"	0.100	ND	105	62.2-130	5.15	19.6	
m,p-Xylene	0.212	0.004	"	0.200	ND	106	46.5-137	7.39	19.2	
o-Xylene	0.102	0.002	"	0.100	ND	102	54.2-134	8.45	17.9	
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A23011 - EPA 3580

Blank (5A23011-BLK1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

58.7

"

50.0

117

65-146

LCS (5A23011-BS1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	970	50	mg/kg	1000	97.0	66.7-119
Diesel (C10-C28)	1000	50	"	1000	101	70.1-127
Residual Range Organics (C28-C36)	1100	200	"	1000	115	54.5-139

Surrogate: o-Terphenyl

54.7

"

50.0

109

65-146

Matrix Spike (5A23011-MS1)

Source: X501248-01

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	930	50	mg/kg	1000	23	91.0	56.4-132
Diesel (C10-C28)	930	50	"	1000	18	91.1	57.4-138
Residual Range Organics (C28-C36)	1100	200	"	1000	22	106	47.7-129

Surrogate: o-Terphenyl

47.8

"

50.0

95.6

65-146

Matrix Spike Dup (5A23011-MSD1)

Source: X501248-01

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	900	50	mg/kg	1000	23	88.0	56.4-132	3.29	22
Diesel (C10-C28)	930	50	"	1000	18	91.1	57.4-138	0.0523	18.3
Residual Range Organics (C28-C36)	1000	200	"	1000	22	103	47.7-129	3.61	30.1

Surrogate: o-Terphenyl

45.6

"

50.0

91.1

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 26, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 23, 2015. This project is associated with Origins project number X501254-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E01 @ 6'	X501254-01	Soil	January 23, 2015 14:30	01/23/2015 17:58
E02 @ 6'	X501254-02	Soil	January 23, 2015 15:30	01/23/2015 17:58
E03 @ 6'	X501254-03	Soil	January 23, 2015 15:45	01/23/2015 17:58

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

ORIGINS LABORATORY, INC

XS0254

Client: LTE Project Manager: Andy Verbonitz

Address: 4600 West 60th Ave Project Name: Nishimoto George GU #1

Arvada, CO 80003 Project Number: KMG05131

Telephone Number: 303-433-9788 Samples Collected By: Chris Brown

Email Address: cbrown@ltenv.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa			Container #
F01 @ 6'	1/23/14	14:30	1	X									1
F02 @ 6'	1/23/14	15:30	1	X							X BTX		2
F03 @ 6'	1/23/14	15:45	1	X							X BTX		3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: [Signature] Date: 1/23/15 Time: 17:58

Relinquished By: [Signature] Date: 1/23/15 Time: 17:58

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

Temp Received: 1.9 Date Results Needed: 1/23/15

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XS01254

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Sm.Pu

Shipped Via: Hand

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

Date/time completed: 1/23/12

Airbill #: N/A

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

Cooler Number/Temperature: 1/19 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: TX03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<u>GS</u> <u>1/23/12</u>	<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager) [Signature]

01-26-12
Date/Time Reviewed

Origins Laboratory, Inc.

[Signature]

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

E01 @ 6'
1/23/2015 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501254-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A23010	01/23/2015	01/24/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"
Surrogate: Toluene-d8	99.8 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A23011	"	01/24/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	82.6 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

E02 @ 6'
1/23/2015 3:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501254-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A23010	01/23/2015	01/24/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	112 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A23011	"	01/26/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	86.0 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

E03 @ 6'
1/23/2015 3:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501254-03 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A23010	01/23/2015	01/24/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	0.005	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A23011	"	01/24/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	91.1 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23010 - EPA 5030 (soil)

Blank (5A23010-BLK1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5	99.3	70-130				
Surrogate: Toluene-d8	63		"	62.5	100	70-130				
Surrogate: 4-Bromofluorobenzene	64		"	62.5	103	70-130				

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A23010 - EPA 5030 (soil)										
LCS (5A23010-BS1)					Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.104	0.002	"	0.100		104	74.5-128			
Ethylbenzene	0.113	0.002	"	0.100		113	66.4-127			
m,p-Xylene	0.225	0.004	"	0.200		112	76.6-124			
o-Xylene	0.110	0.002	"	0.100		110	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23010 - EPA 5030 (soil)

Matrix Spike (5A23010-MS1)		Source: X501248-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	0.088	0.002	mg/kg	0.100	ND	87.5	71.8-126			
Toluene	0.091	0.002	"	0.100	ND	91.4	65.1-130			
Ethylbenzene	0.099	0.002	"	0.100	ND	99.4	62.2-130			
m,p-Xylene	0.197	0.004	"	0.200	ND	98.3	46.5-137			
o-Xylene	0.094	0.002	"	0.100	ND	93.6	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		103	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A23010 - EPA 5030 (soil)										
Matrix Spike Dup (5A23010-MSD1)		Source: X501248-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	0.097	0.002	mg/kg	0.100	ND	96.9	71.8-126	10.2	11.3	
Toluene	0.098	0.002	"	0.100	ND	98.5	65.1-130	7.48	15.4	
Ethylbenzene	0.105	0.002	"	0.100	ND	105	62.2-130	5.15	19.6	
m,p-Xylene	0.212	0.004	"	0.200	ND	106	46.5-137	7.39	19.2	
o-Xylene	0.102	0.002	"	0.100	ND	102	54.2-134	8.45	17.9	
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Extractable Petroleum Hydrocarbons by 8015M - Quality Control

Origins Laboratory, Inc.

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

Batch 5A23011 - EPA 3580

Blank (5A23011-BLK1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

58.7

"

50.0

117

65-146

LCS (5A23011-BS1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	970	50	mg/kg	1000	97.0	66.7-119
Diesel (C10-C28)	1000	50	"	1000	101	70.1-127
Residual Range Organics (C28-C36)	1100	200	"	1000	115	54.5-139

Surrogate: o-Terphenyl

54.7

"

50.0

109

65-146

Matrix Spike (5A23011-MS1)

Source: X501248-01

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	930	50	mg/kg	1000	23	91.0	56.4-132
Diesel (C10-C28)	930	50	"	1000	18	91.1	57.4-138
Residual Range Organics (C28-C36)	1100	200	"	1000	22	106	47.7-129

Surrogate: o-Terphenyl

47.8

"

50.0

95.6

65-146

Matrix Spike Dup (5A23011-MSD1)

Source: X501248-01

Prepared: 01/23/2015 Analyzed: 01/23/2015

Gasoline (C6-C10)	900	50	mg/kg	1000	23	88.0	56.4-132	3.29	22
Diesel (C10-C28)	930	50	"	1000	18	91.1	57.4-138	0.0523	18.3
Residual Range Organics (C28-C36)	1000	200	"	1000	22	103	47.7-129	3.61	30.1

Surrogate: o-Terphenyl

45.6

"

50.0

91.1

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 26, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 22, 2015. This project is associated with Origins project number X501235-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GWEX02	X501235-01	Water	January 22, 2015 10:00	01/22/2015 13:56
W03 @ 4'	X501235-02	Soil	January 22, 2015 10:20	01/22/2015 13:56
N04 @ 4'	X501235-03	Soil	January 22, 2015 10:25	01/22/2015 13:56
N05 @ 4'	X501235-04	Soil	January 22, 2015 10:35	01/22/2015 13:56
S04 @ 4'	X501235-05	Soil	January 22, 2015 9:25	01/22/2015 13:56

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

ORIGINS LABORATORY, INC

X501235

Client: LTE
Address: 4600 W. 60th Ave.
Arvada, CO 80003
Telephone Number: 303-433-9788
Email Address: cbrown@ltenv.com, averbonitz@ltenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other			
GWEX02	1/22/15	10:00	3		X			X						Hold analysis 1
W03 @ 4'		10:20	2	X				X						
N04 @ 4'		10:25	2	X				X						
N05 @ 4'		10:35	2	X				X						
S04 @ 4'		09:25	2	X				X						
														2
														3
														4
														5
														6
														7
														8
														9
														10
Relinquished By: <u>Chris Brown</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>
Relinquished By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>	Received By: <u>[Signature]</u>	Date: <u>1/22/15</u>	Time: <u>13:16</u>

Temp Received: 3.1 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XS01235

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

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

Date/time completed: 1/22/15

Airbill #: _____

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

Cooler Number/Temperature: 1 / 3.1 °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Extra sample 504 G 41 not on COC
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/pH <2 for samples preserved with HNO ₃ ; HCL, H ₂ SO ₄ / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			hcl
Additional Comments (if any): <u>Iron Firmed by Phone Conversation with Andy V. to add 504 G 41 to COC for BTEX/TPH Analysis</u>				
<u>1/22/15</u> <u>Jeff Smith</u>				

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

Reviewed by (Project Manager) [Signature]

01/22/15 JEBS
Date/Time Reviewed

Origins Laboratory, Inc.

Jeff Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

GWEX02

1/22/2015 10:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501235-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	5A23012	01/23/2015	01/26/2015
Toluene	ND	1.0	"	"	"	"	"
Ethylbenzene	109	1.0	"	"	"	"	"
Xylenes, total	1440	10.0	"	10	"	"	01/26/2015

Surrogate: 1,2-Dichloroethane-d4	101 %	87.3-113			"	"	"
Surrogate: Toluene-d8	101 %	90.9-108			"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	88.6-111			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

W03 @ 4'

1/22/2015 10:20:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501235-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A22005	01/22/2015	01/22/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A22006	01/22/2015	01/22/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	103 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

N04 @ 4'

1/22/2015 10:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501235-03 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A22005	01/22/2015	01/22/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.6 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A22006	01/22/2015	01/22/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	72.6 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

N05 @ 4'

1/22/2015 10:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501235-04 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A22005	01/22/2015	01/22/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	0.003	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.1 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A22006	01/22/2015	01/22/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	91.6 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

S04 @ 4'
1/22/2015 9:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501235-05 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A22005	01/22/2015	01/22/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	0.002	0.002	"	"	"	"	"
Xylenes, total	0.034	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130			"	"	"
Surrogate: Toluene-d8	100 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A22006	01/22/2015	01/22/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	99.8 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A22005 - EPA 5030 (soil)

Blank (5A22005-BLK1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.6	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A22005 - EPA 5030 (soil)										
LCS (5A22005-BS1)					Prepared: 01/22/2015 Analyzed: 01/22/2015					
Benzene	0.097	0.002	mg/kg	0.100		96.8	77.1-124			
Toluene	0.098	0.002	"	0.100		98.4	74.5-128			
Ethylbenzene	0.110	0.002	"	0.100		110	66.4-127			
m,p-Xylene	0.214	0.004	"	0.200		107	76.6-124			
o-Xylene	0.103	0.002	"	0.100		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		98.5	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A22005 - EPA 5030 (soil)

Matrix Spike (5A22005-MS1)		Source: X501205-01			Prepared: 01/22/2015 Analyzed: 01/22/2015					
Benzene	0.082	0.002	mg/kg	0.100	ND	82.4	71.8-126			
Toluene	0.085	0.002	"	0.100	ND	85.5	65.1-130			
Ethylbenzene	0.090	0.002	"	0.100	ND	90.3	62.2-130			
m,p-Xylene	0.177	0.004	"	0.200	ND	88.7	46.5-137			
o-Xylene	0.087	0.002	"	0.100	ND	87.1	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.8	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A22005 - EPA 5030 (soil)

Matrix Spike Dup (5A22005-MSD1)		Source: X501205-01			Prepared: 01/22/2015 Analyzed: 01/22/2015					
Benzene	0.086	0.002	mg/kg	0.100	ND	86.1	71.8-126	4.42	11.3	
Toluene	0.087	0.002	"	0.100	ND	86.7	65.1-130	1.46	15.4	
Ethylbenzene	0.092	0.002	"	0.100	ND	92.1	62.2-130	1.97	19.6	
m,p-Xylene	0.184	0.004	"	0.200	ND	92.0	46.5-137	3.60	19.2	
o-Xylene	0.091	0.002	"	0.100	ND	90.8	54.2-134	4.23	17.9	
Surrogate: 1,2-Dichloroethane-d4	68		ug/kg	62.5		108	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.6	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

Blank (5A23012-BLK1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	105		87.3-113			
Surrogate: Toluene-d8	60		"	62.5	95.6		90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.2		88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

LCS (5A23012-BS1)

Prepared: 01/23/2015 Analyzed: 01/23/2015

Benzene	49.5	1.0	ug/L	50.0		99.0	75-126			
Toluene	44.7	1.0	"	50.0		89.3	78.7-126			
Ethylbenzene	46.2	1.0	"	50.0		92.3	80-130			
m,p-Xylene	88.4	2.0	"	100		88.4	77.2-133			
o-Xylene	45.8	1.0	"	50.0		91.6	77.9-126			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	87.3-113			
Surrogate: Toluene-d8	60		"	62.5		96.5	90.9-108			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.8	88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

Matrix Spike (5A23012-MS1)		Source: X501249-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	46.4	1.0	ug/L	50.0	0.1	92.7	74-130			
Toluene	44.5	1.0	"	50.0	ND	89.0	73-131			
Ethylbenzene	64.8	1.0	"	50.0	22.0	85.6	76-132			
m,p-Xylene	108	2.0	"	100	26.5	81.4	69-139			
o-Xylene	54.6	1.0	"	50.0	14.9	79.3	74-131			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	87.3-113			
Surrogate: Toluene-d8	63		"	62.5		101	90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A23012 - EPA 5030B (Water)

Matrix Spike Dup (5A23012-MSD1)		Source: X501249-01			Prepared: 01/23/2015 Analyzed: 01/23/2015					
Benzene	47.9	1.0	ug/L	50.0	0.1	95.5	74-130	3.05	20	
Toluene	44.3	1.0	"	50.0	ND	88.5	73-131	0.541	20	
Ethylbenzene	62.6	1.0	"	50.0	22.0	81.0	76-132	3.60	20	
m,p-Xylene	112	2.0	"	100	26.5	85.3	69-139	3.59	20	
o-Xylene	59.3	1.0	"	50.0	14.9	88.9	74-131	8.39	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	87.3-113			
Surrogate: Toluene-d8	60		"	62.5		95.4	90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.4	88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A22006 - EPA 3580

Blank (5A22006-BLK1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

38.6

"

50.0

77.3

65-146

LCS (5A22006-BS1)

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	840	50	mg/kg	1000	83.8	66.7-119
Diesel (C10-C28)	830	50	"	1000	82.8	70.1-127
Residual Range Organics (C28-C36)	900	200	"	1000	90.4	54.5-139

Surrogate: o-Terphenyl

36.6

"

50.0

73.2

65-146

Matrix Spike (5A22006-MS1)

Source: X501205-01

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	800	50	mg/kg	1000	22	78.3	56.4-132
Diesel (C10-C28)	830	50	"	1000	27	80.5	57.4-138
Residual Range Organics (C28-C36)	910	200	"	1000	22	88.7	47.7-129

Surrogate: o-Terphenyl

ND

"

2.00

65-146

S-04

Matrix Spike Dup (5A22006-MSD1)

Source: X501205-01

Prepared: 01/22/2015 Analyzed: 01/22/2015

Gasoline (C6-C10)	910	50	mg/kg	1000	22	88.6	56.4-132	12.1	22
Diesel (C10-C28)	960	50	"	1000	27	93.5	57.4-138	14.4	18.3
Residual Range Organics (C28-C36)	1100	200	"	1000	22	107	47.7-129	18.0	30.1

Surrogate: o-Terphenyl

32.0

"

50.0

64.0

65-146

S-04

Origins Laboratory, Inc.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 27, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 26, 2015. This project is associated with Origins project number X501268-01.

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

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

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

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

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

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



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
E04 @ 6'	X501268-01	Soil	January 26, 2015 9:15	01/26/2015 15:26

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

ORIGINS LABORATORY, INC

Client: LTE

Address: 4600 W. 60th Ave.

Telephone Number: 303-438-9788

Email Address: clbrown@ltenv.com

Project Manager: Andy Verbonitz

Project Name: Nishimoto George GU #1

Project Number: KMG05131

Samples Collected By: Chris Brown

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
4 E04 @ 6'	1/26/15	0915	1	X						X		XX	1
													2
													3
													4
													5
													6
													7
													8
													9
													10
Relinquished By: <u>Chris Brown</u>	Date: <u>1/26/15</u>	Time: <u>1520</u>	Received By: <u>[Signature]</u>	Date: <u>1/26/15</u>	Time: <u>1526</u>	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>							

Temp Received- 4.6 Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order KU268

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

Shipped Via: H/D

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

Date/time completed: 1/26/15

Airbill #: N/A

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

Cooler Number/Temperature: L / 4.6 °C / _____ °C / _____ °C (Describe)

Thermometer ID: T403

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄ / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Signature)
(Project Manager)

01-26-15
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

E04 @ 6'
1/26/2015 9:15:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501268-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A26011	01/26/2015	01/26/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130			"	"	"
Surrogate: Toluene-d8	99.4 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.0 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A26008	01/26/2015	01/26/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	112 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A26011 - EPA 5030 (soil)

Blank (5A26011-BLK1)

Prepared: 01/26/2015 Analyzed: 01/26/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		97.4	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.8	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A26011 - EPA 5030 (soil)										
LCS (5A26011-BS1)					Prepared: 01/26/2015 Analyzed: 01/26/2015					
Benzene	0.092	0.002	mg/kg	0.100		91.6	77.1-124			
Toluene	0.093	0.002	"	0.100		93.2	74.5-128			
Ethylbenzene	0.102	0.002	"	0.100		102	66.4-127			
m,p-Xylene	0.202	0.004	"	0.200		101	76.6-124			
o-Xylene	0.097	0.002	"	0.100		97.4	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	63		ug/kg	62.5		100	70-130			
Surrogate: Toluene-d8	59		"	62.5		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A26011 - EPA 5030 (soil)

Matrix Spike (5A26011-MS1)		Source: X501263-02			Prepared: 01/26/2015 Analyzed: 01/26/2015					
Benzene	0.093	0.002	mg/kg	0.100	ND	93.1	71.8-126			QM-07
Toluene	0.100	0.002	"	0.100	ND	99.6	65.1-130			QM-07
Ethylbenzene	0.102	0.002	"	0.100	ND	102	62.2-130			
m,p-Xylene	0.211	0.004	"	0.200	ND	105	46.5-137			QM-07
o-Xylene	0.103	0.002	"	0.100	ND	103	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.9	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A26011 - EPA 5030 (soil)										
Matrix Spike Dup (5A26011-MSD1)		Source: X501263-02			Prepared: 01/26/2015 Analyzed: 01/26/2015					
Benzene	0.078	0.002	mg/kg	0.100	ND	78.2	71.8-126	17.4	11.3	QM-07
Toluene	0.082	0.002	"	0.100	ND	82.2	65.1-130	19.1	15.4	QM-07
Ethylbenzene	0.084	0.002	"	0.100	ND	84.5	62.2-130	18.7	19.6	
m,p-Xylene	0.172	0.004	"	0.200	ND	85.9	46.5-137	20.4	19.2	QM-07
o-Xylene	0.087	0.002	"	0.100	ND	86.6	54.2-134	17.3	17.9	
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		98.2	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A26008 - EPA 3580

Blank (5A26008-BLK1)

Prepared: 01/26/2015 Analyzed: 01/26/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

47.5

"

50.0

95.0

65-146

LCS (5A26008-BS1)

Prepared: 01/26/2015 Analyzed: 01/26/2015

Gasoline (C6-C10)	860	50	mg/kg	1000	85.9	66.7-119
Diesel (C10-C28)	800	50	"	1000	80.4	70.1-127
Residual Range Organics (C28-C36)	900	200	"	1000	90.2	54.5-139

Surrogate: o-Terphenyl

44.3

"

50.0

88.5

65-146

Matrix Spike (5A26008-MS1)

Source: X501244-01

Prepared: 01/26/2015 Analyzed: 01/26/2015

Gasoline (C6-C10)	920	50	mg/kg	1000	86	83.8	56.4-132
Diesel (C10-C28)	870	50	"	1000	100	77.1	57.4-138
Residual Range Organics (C28-C36)	880	200	"	1000	8.4	87.3	47.7-129

Surrogate: o-Terphenyl

39.0

"

50.0

78.1

65-146

Matrix Spike Dup (5A26008-MSD1)

Source: X501244-01

Prepared: 01/26/2015 Analyzed: 01/26/2015

Gasoline (C6-C10)	940	50	mg/kg	1000	86	85.2	56.4-132	1.46	22
Diesel (C10-C28)	900	50	"	1000	100	79.8	57.4-138	3.08	18.3
Residual Range Organics (C28-C36)	910	200	"	1000	8.4	90.2	47.7-129	3.20	30.1

Surrogate: o-Terphenyl

39.0

"

50.0

78.0

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 28, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 27, 2015. This project is associated with Origins project number X501285-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N06 @ 6'	X501285-01	Soil	January 27, 2015 9:00	01/27/2015 16:27
S005 @ 6'	X501285-02	Soil	January 27, 2015 14:00	01/27/2015 16:27
S06 @ 6'	X501285-03	Soil	January 27, 2015 14:10	01/27/2015 16:27

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com page 1 of 1

X501285

Client: LTE
Address: 4600 West 60th Ave.
Arvada, CO 80003
Telephone Number: 303-433-9788
Email Address: andy@originslab.com, a.verbonitz@originslab.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
N06 @ 6'	1/27/15	9:00	1	X				X			GeoLab/REX	1
S005 @ 6'	↓	14:00	1	X				X			REX	2
S06 @ 6'	↓	14:10	1	X				X			REX	3
												4
												5
												6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 1/27/15 Time: 16:27
Relinquished By: [Signature] Date: 1/27/15 Time: 16:27

Temp Received: 5.1 Date Results Needed: 1/27/15

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X501285

Client: LTE

Client Project ID: Nishimoto George

Checklist Completed by: David Mathis

Shipped Via: H/D

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

Date/time completed: 01-27-13 1658

Airbill #: NA

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

Cooler Number/Temperature: 1 / 51°C _____ / _____°C _____ / _____°C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Soil
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Soil
Additional Comments (if any):				

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

Reviewed by (Project Manager)

1/27/13
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

N06 @ 6'
1/27/2015 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501285-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A27010	01/27/2015	01/27/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"
Surrogate: Toluene-d8	108 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A27006	01/27/2015	01/27/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	103 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

S005 @ 6'
1/27/2015 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501285-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	5A27010	01/27/2015	01/27/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	0.005	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130			"	"	"
Surrogate: Toluene-d8	108 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	113 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A27006	01/27/2015	01/27/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	83.3 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

S06 @ 6'
1/27/2015 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501285-03 (Soil)

BTEX by EPA 8260C

Benzene	0.003	0.002	mg/kg	1	5A27010	01/27/2015	01/28/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	0.011	0.002	"	"	"	"	"
Xylenes, total	0.117	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130			"	"	"
Surrogate: Toluene-d8	111 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	112 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A27006	01/27/2015	01/27/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	52.7 %	65-146			"	"	" S-04
------------------------	--------	--------	--	--	---	---	--------

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A27010 - EPA 5030 (soil)

Blank (5A27010-BLK1)

Prepared: 01/27/2015 Analyzed: 01/27/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	66		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		108	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A27010 - EPA 5030 (soil)										
LCS (5A27010-BS1)					Prepared: 01/27/2015 Analyzed: 01/27/2015					
Benzene	0.113	0.002	mg/kg	0.100		113	77.1-124			
Toluene	0.113	0.002	"	0.100		113	74.5-128			
Ethylbenzene	0.116	0.002	"	0.100		116	66.4-127			
m,p-Xylene	0.221	0.004	"	0.200		111	76.6-124			
o-Xylene	0.119	0.002	"	0.100		119	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.6	70-130			
Surrogate: Toluene-d8	66		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A27010 - EPA 5030 (soil)

Matrix Spike (5A27010-MS1)		Source: X501284-03			Prepared: 01/27/2015 Analyzed: 01/27/2015					
Benzene	0.098	0.002	mg/kg	0.100	ND	98.1	71.8-126			
Toluene	0.097	0.002	"	0.100	ND	97.4	65.1-130			
Ethylbenzene	0.098	0.002	"	0.100	ND	97.8	62.2-130			
m,p-Xylene	0.189	0.004	"	0.200	ND	94.3	46.5-137			
o-Xylene	0.098	0.002	"	0.100	ND	97.8	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5		105	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A27010 - EPA 5030 (soil)

Matrix Spike Dup (5A27010-MSD1)		Source: X501284-03			Prepared: 01/27/2015 Analyzed: 01/27/2015					
Benzene	0.096	0.002	mg/kg	0.100	ND	95.8	71.8-126	2.31	11.3	
Toluene	0.096	0.002	"	0.100	ND	95.5	65.1-130	1.91	15.4	
Ethylbenzene	0.098	0.002	"	0.100	ND	97.7	62.2-130	0.0409	19.6	
m,p-Xylene	0.186	0.004	"	0.200	ND	93.1	46.5-137	1.25	19.2	
o-Xylene	0.096	0.002	"	0.100	ND	96.0	54.2-134	1.84	17.9	
Surrogate: 1,2-Dichloroethane-d4	65		ug/kg	62.5		104	70-130			
Surrogate: Toluene-d8	66		"	62.5		106	70-130			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control

Origins Laboratory, Inc.

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

Extractable Petroleum Hydrocarbons by 8015M - Quality Control

Origins Laboratory, Inc.

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

Batch 5A27006 - EPA 3580

Blank (5A27006-BLK1)

Prepared: 01/27/2015 Analyzed: 01/27/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

51.7

"

50.0

103

65-146

LCS (5A27006-BS1)

Prepared: 01/27/2015 Analyzed: 01/27/2015

Gasoline (C6-C10)	890	50	mg/kg	1000	89.1	66.7-119
Diesel (C10-C28)	910	50	"	1000	91.1	70.1-127
Residual Range Organics (C28-C36)	1000	200	"	1000	102	54.5-139

Surrogate: o-Terphenyl

48.8

"

50.0

97.7

65-146

Matrix Spike (5A27006-MS1)

Source: X501262-01

Prepared: 01/27/2015 Analyzed: 01/27/2015

Gasoline (C6-C10)	900	50	mg/kg	1000	11	89.0	56.4-132
Diesel (C10-C28)	930	50	"	1000	9.7	91.6	57.4-138
Residual Range Organics (C28-C36)	1000	200	"	1000	14	103	47.7-129

Surrogate: o-Terphenyl

46.3

"

50.0

92.5

65-146

Matrix Spike Dup (5A27006-MSD1)

Source: X501262-01

Prepared: 01/27/2015 Analyzed: 01/27/2015

Gasoline (C6-C10)	890	50	mg/kg	1000	11	87.9	56.4-132	1.32	22
Diesel (C10-C28)	910	50	"	1000	9.7	89.9	57.4-138	1.83	18.3
Residual Range Organics (C28-C36)	1000	200	"	1000	14	103	47.7-129	0.0302	30.1

Surrogate: o-Terphenyl

41.9

"

50.0

83.7

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 30, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 29, 2015. This project is associated with Origins project number X501322-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP09	X501322-01	Soil	January 29, 2015 14:15	01/29/2015 16:14
SP10	X501322-02	Soil	January 29, 2015 14:20	01/29/2015 16:14
SP11	X501322-03	Soil	January 29, 2015 14:25	01/29/2015 16:14
SP12	X501322-04	Soil	January 29, 2015 14:30	01/29/2015 16:14
SP13	X501322-05	Soil	January 29, 2015 14:35	01/29/2015 16:14

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

XS01322

ORIGINS
LABORATORY, INC

Client: LTE
Address: 4600 W. 60th Ave.
Arvada CO 80003
Telephone Number: 303-433-9788
Email Address: cbrown@ltsenv.com avverbonitz@ltsenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU#1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other		
SP04	1/29/15	14:15	1	X					X			X	1
SP10	1/29/15	14:20	1	X					X			X	2
SP11	1/29/15	14:25	1	X					X			X	3
SP12	1/29/15	14:30	1	X					X			X	4
SP13	1/29/15	14:35	1	X					X			X	5
													6
													7
													8
													9
													10
Relinquished By: <u>[Signature]</u>	Date: <u>1/29/15</u>	Time: <u>16:14</u>		Received By: <u>[Signature]</u>				Date: <u>1/29/15</u>		Time: <u>16:14</u>		Turnaround Time: <input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard	
Relinquished By:	Date:	Time:		Received By:				Date:		Time:			

Temp Received: 2.4 Date Results Needed

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X501322

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

Shipped Via: H/D

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

Date/time completed: 1/29/15

Airbill #: NA

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

☐ Water

☐ Other:

Cooler Number/Temperature: 1 / 2.4 °C 1 / 1 °C 1 / 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager): [Signature]

Date/Time Reviewed: 2/29/15

Origins Laboratory, Inc.

Jeff Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP09

1/29/2015 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501322-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A29005	01/29/2015	01/30/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	ND	0.050	"	"	"	"	"
Xylenes, total	0.429	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130			"	"	"
Surrogate: Toluene-d8	81.3 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A29006	01/29/2015	01/29/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	105 %	65-146			"	"	"
------------------------	-------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP10
1/29/2015 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501322-02 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A29005	01/29/2015	01/30/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.306	0.050	"	"	"	"	"
Xylenes, total	3.02	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	83.1 %	70-130			"	"	"
Surrogate: Toluene-d8	96.5 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A29006	01/29/2015	01/29/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	87.7 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP11
1/29/2015 2:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501322-03 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A29005	01/29/2015	01/30/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.530	0.050	"	"	"	"	"
Xylenes, total	4.81	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	73.0 %	70-130			"	"	"
Surrogate: Toluene-d8	99.9 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	110 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A29006	01/29/2015	01/29/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	85.6 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP12
1/29/2015 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501322-04 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A29005	01/29/2015	01/30/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.850	0.050	"	"	"	"	"
Xylenes, total	7.26	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	73.9 %	70-130			"	"	"
Surrogate: Toluene-d8	104 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.3 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A29006	01/29/2015	01/29/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	86.0 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP13
1/29/2015 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501322-05 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A29005	01/29/2015	01/30/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	1.04	0.050	"	"	"	"	"
Xylenes, total	8.65	0.050	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	76.0 %	70-130			"	"	"
Surrogate: Toluene-d8	110 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	58	50	mg/kg	1	5A29006	01/29/2015	01/29/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	84.9 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A29005 - EPA 5030 (soil)

Blank (5A29005-BLK1)

Prepared: 01/29/2015 Analyzed: 01/29/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	66		ug/kg	62.5	105	70-130				
Surrogate: Toluene-d8	64		"	62.5	103	70-130				
Surrogate: 4-Bromofluorobenzene	64		"	62.5	102	70-130				

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A29005 - EPA 5030 (soil)										
LCS (5A29005-BS1)					Prepared: 01/29/2015 Analyzed: 01/29/2015					
Benzene	0.112	0.002	mg/kg	0.100		112	77.1-124			
Toluene	0.089	0.002	"	0.100		89.3	74.5-128			
Ethylbenzene	0.081	0.002	"	0.100		81.0	66.4-127			
m,p-Xylene	0.168	0.004	"	0.200		84.0	76.6-124			
o-Xylene	0.082	0.002	"	0.100		82.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A29005 - EPA 5030 (soil)										
LCS Dup (5A29005-BSD1)					Prepared: 01/29/2015 Analyzed: 01/29/2015					
Benzene	0.084	0.002	mg/kg	0.100		84.2	77.1-124	28.2	20	J-02
Toluene	0.086	0.002	"	0.100		85.7	74.5-128	4.14	20	
Ethylbenzene	0.088	0.002	"	0.100		87.7	66.4-127	7.87	20	
m,p-Xylene	0.175	0.004	"	0.200		87.3	76.6-124	3.84	20	
o-Xylene	0.088	0.002	"	0.100		88.5	76.6-124	7.36	20	
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.8	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A29006 - EPA 3580

Blank (5A29006-BLK1)

Prepared: 01/29/2015 Analyzed: 01/29/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

50.2

"

50.0

100

65-146

LCS (5A29006-BS1)

Prepared: 01/29/2015 Analyzed: 01/29/2015

Gasoline (C6-C10)	880	50	mg/kg	1000	87.8	66.7-119
Diesel (C10-C28)	900	50	"			70.1-127
Residual Range Organics (C28-C36)	990	200	"	1000	99.2	54.5-139

Surrogate: o-Terphenyl

47.9

"

50.0

95.9

65-146

Matrix Spike (5A29006-MS1)

Source: X501289-08

Prepared: 01/29/2015 Analyzed: 01/29/2015

Gasoline (C6-C10)	1000	50	mg/kg	1000	180	85.3	56.4-132
Diesel (C10-C28)	1300	50	"		590		57.4-138
Residual Range Organics (C28-C36)	1000	200	"	1000	110	91.1	47.7-129

Surrogate: o-Terphenyl

41.5

"

50.0

83.0

65-146

Matrix Spike Dup (5A29006-MSD1)

Source: X501289-08

Prepared: 01/29/2015 Analyzed: 01/29/2015

Gasoline (C6-C10)	1000	50	mg/kg	1000	180	84.6	56.4-132	0.654	22
Diesel (C10-C28)	1400	50	"		590		57.4-138	8.23	18.3
Residual Range Organics (C28-C36)	1100	200	"	1000	110	94.0	47.7-129	2.89	30.1

Surrogate: o-Terphenyl

43.3

"

50.0

86.7

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

J-02 Reported value failed to meet established quality control criteria for the precision accuracy.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President



January 31, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 30, 2015. This project is associated with Origins project number X501336-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP14	X501336-01	Soil	January 30, 2015 12:20	01/30/2015 16:53
SP15	X501336-02	Soil	January 30, 2015 12:25	01/30/2015 16:53
SP16	X501336-03	Soil	January 30, 2015 12:30	01/30/2015 16:53

Origins Laboratory, Inc.


Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

XS01336

ORIGINS
LABORATORY, INC

Client: LTE
Address: 4600 W. 60th Ave.
Arvada CO 80003
Telephone Number: 303-433-9788
Email Address: cbrown@ltenv.com, averbonitz@ltenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU#1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
SP14	1/30/15	12:20	1					X				1	
SP15	↓	12:25	1					X				2	
SP16	↓	12:30	1					X				3	
												4	
												5	
												6	
												7	
												8	
												9	
												10	
Relinquished By: <u>Chris N</u>	Date: <u>1/30/15</u>	Time: <u>16:53</u>		Received By:	Date:	Time:	Turnaround Time: <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard						
Relinquished By:	Date:	Time:		Received By: <u>Chris N</u>	Date: <u>1/30/15</u>	Time: <u>16:53</u>							

Temp Received: 0.8°C Date Results Needed

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

Origins Laboratory, Inc.

Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: XS41336

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

Shipped Via: H/D

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

Date/time completed: 1/30/15

Airbill #: N/A

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

Cooler Number/Temperature: 1 10.8 °C 1 °C 1 °C (Describe) °C

Thermometer ID: R003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄ / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP14

1/30/2015 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X501336-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A30013	01/30/2015	01/31/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	0.750	0.498	"	250	"	"	01/30/2015
Xylenes, total	0.628	0.050	"	25	"	"	01/31/2015

Surrogate: 1,2-Dichloroethane-d4	76.3 %	70-130			"	"	01/30/2015
Surrogate: Toluene-d8	96.7 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	91.4 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A30012	01/30/2015	01/30/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	84.8 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.


Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP15

1/30/2015 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501336-02 (Soil)

BTEX by EPA 8260C

Benzene	0.002	0.002	mg/kg	1	5A30013	01/30/2015	01/30/2015
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	0.049	0.002	"	"	"	"	"
Xylenes, total	0.390	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	79.1 %	70-130			"	"	"
Surrogate: Toluene-d8	105 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50	mg/kg	1	5A30012	01/30/2015	01/30/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	83.4 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.



Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

SP16

1/30/2015 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X501336-03 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.050	mg/kg	25	5A30013	01/30/2015	01/31/2015
Toluene	ND	0.050	"	"	"	"	"
Ethylbenzene	3.74	0.498	"	250	"	"	01/30/2015
Xylenes, total	31.3	0.498	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	78.9 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	82.9 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	60	50	mg/kg	1	5A30012	01/30/2015	01/30/2015
Diesel (C10-C28)	ND	50	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"

Surrogate: o-Terphenyl	81.8 %	65-146			"	"	"
------------------------	--------	--------	--	--	---	---	---

Origins Laboratory, Inc.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A30013 - EPA 5030 (soil)

Blank (5A30013-BLK1)

Prepared: 01/30/2015 Analyzed: 01/30/2015

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	51		ug/kg	62.5		81.3	70-130			
Surrogate: Toluene-d8	58		"	62.5		93.0	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.8	70-130			

Origins Laboratory, Inc.


Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A30013 - EPA 5030 (soil)

Matrix Spike (5A30013-MS1)		Source: X501332-01			Prepared: 01/30/2015 Analyzed: 01/30/2015					
Benzene	0.087	0.002	mg/kg	0.100	ND	86.7	71.8-126			
Toluene	0.084	0.002	"	0.100	ND	83.8	65.1-130			
Ethylbenzene	0.092	0.002	"	0.100	ND	92.1	62.2-130			
m,p-Xylene	0.180	0.004	"	0.200	ND	89.8	46.5-137			
o-Xylene	0.089	0.002	"	0.100	ND	89.0	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	43		ug/kg	62.5		69.1	70-130			
Surrogate: Toluene-d8	53		"	62.5		84.5	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.2	70-130			

Origins Laboratory, Inc.



Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A30013 - EPA 5030 (soil)

Matrix Spike Dup (5A30013-MSD1)		Source: X501332-01			Prepared: 01/30/2015 Analyzed: 01/30/2015					
Benzene	0.094	0.002	mg/kg	0.100	ND	94.3	71.8-126	8.40	11.3	
Toluene	0.078	0.002	"	0.100	ND	77.8	65.1-130	7.38	15.4	
Ethylbenzene	0.099	0.002	"	0.100	ND	99.3	62.2-130	7.46	19.6	
m,p-Xylene	0.191	0.004	"	0.200	ND	95.7	46.5-137	6.43	19.2	
o-Xylene	0.094	0.002	"	0.100	ND	93.7	54.2-134	5.17	17.9	
Surrogate: 1,2-Dichloroethane-d4	44		ug/kg	62.5		71.0	70-130			
Surrogate: Toluene-d8	49		"	62.5		78.6	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		93.6	70-130			

Origins Laboratory, Inc.



Dav

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

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

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

Batch 5A30012 - EPA 3580

Blank (5A30012-BLK1)

Prepared: 01/30/2015 Analyzed: 01/30/2015

Gasoline (C6-C10)	ND	50	mg/kg
Diesel (C10-C28)	ND	50	"
Residual Range Organics (C28-C36)	ND	200	"

Surrogate: o-Terphenyl

53.5

"

50.0

107

65-146

LCS (5A30012-BS1)

Prepared: 01/30/2015 Analyzed: 01/30/2015

Gasoline (C6-C10)	860	50	mg/kg	1000	86.2	66.7-119
Diesel (C10-C28)	880	50	"	1000	88.4	70.1-127
Residual Range Organics (C28-C36)	1000	200	"	1000	101	54.5-139

Surrogate: o-Terphenyl

48.7

"

50.0

97.3

65-146

LCS Dup (5A30012-BSD1)

Prepared: 01/30/2015 Analyzed: 01/30/2015

Gasoline (C6-C10)	870	50	mg/kg	1000	86.8	66.7-119	0.663	28.2
Diesel (C10-C28)	880	50	"	1000	87.8	70.1-127	0.592	19.1
Residual Range Organics (C28-C36)	990	200	"	1000	99.5	54.5-139	1.24	21.2

Surrogate: o-Terphenyl

46.2

"

50.0

92.4

65-146

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.


Dav

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



January 30, 2015

LT Environmental, Inc.

Andy Verbonitz

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 30, 2015. This project is associated with Origins project number X501337-01.

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

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

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

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

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

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



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GWEX03	X501337-01	Water	January 30, 2015 15:00	01/30/2015 16:53

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page 1 of 1

XS01337

ORIGINS
LABORATORY, INC

Client: LTE
Address: 4600 W. 60th Ave.
Arvada, CO 80003
Telephone Number: 303-433-9788
Email Address: cbrown@ltenv.com, averbonitz@ltenv.com

Project Manager: Andy Verbonitz
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: Chris Brown

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis		Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other		
GWEND3	1/30/15	15:00	3	X									1
													2
													3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: Chris Brown Date: 1/30/15 Time: 16:33
Relinquished By: Chris Brown Date: 1/30/15 Time: 16:53

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

Temp Received: 4.8°C Date Results Needed: 1-30-15

Origins Laboratory, Inc.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: **XSO1307**

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

Shipped Via: HTD

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

Date/time completed: 1/30/15

Airbill #: NA

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

Cooler Number/Temperature: 1 10.8 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>	<u>1/30/15</u> <u>← (15)</u>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>		<u>1/30/15</u> <u>← (15)</u>	
Additional Comments (if any): <u>HCC</u>				

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

Reviewed by (Project Manager)

01-30-15 1657
Date/Time Reviewed

Origins Laboratory, Inc.

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

GWEX03**1/30/2015 3:00:00PM**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
X501337-01 (Water)**BTEX by EPA 8260C**

Benzene	22.1	10.0	ug/L	10	5A30005	01/30/2015	01/30/2015
Toluene	ND	10.0	"	"	"	"	"
Ethylbenzene	93.2	10.0	"	"	"	"	"
Xylenes, total	719	10.0	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	98.3 %	87.3-113	"	"	"
Surrogate: Toluene-d8	105 %	90.9-108	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	88.6-111	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A30005 - EPA 5030B (Water)

Blank (5A30005-BLK1)

Prepared: 01/30/2015 Analyzed: 01/30/2015

Benzene	ND	1.0	ug/L							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes, total	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5	99.2		87.3-113			
Surrogate: Toluene-d8	63		"	62.5	101		90.9-108			
Surrogate: 4-Bromofluorobenzene	64		"	62.5	102		88.6-111			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5A30005 - EPA 5030B (Water)										
LCS (5A30005-BS1)					Prepared: 01/30/2015 Analyzed: 01/30/2015					
Benzene	57.2	1.0	ug/L	50.0		114	75-126			
Toluene	55.3	1.0	"	50.0		111	78.7-126			
Ethylbenzene	43.6	1.0	"	50.0		87.3	80-130			
m,p-Xylene	88.7	2.0	"	100		88.7	77.2-133			
o-Xylene	44.5	1.0	"	50.0		89.1	77.9-126			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.5	87.3-113			
Surrogate: Toluene-d8	62		"	62.5		99.6	90.9-108			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.6	88.6-111			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

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

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

Batch 5A30005 - EPA 5030B (Water)

Matrix Spike (5A30005-MS1)		Source: X501307-08			Prepared: 01/30/2015 Analyzed: 01/30/2015					
Benzene	43.3	1.0	ug/L	50.0	ND	86.7	74-130			
Toluene	42.7	1.0	"	50.0	ND	85.4	73-131			
Ethylbenzene	34.1	1.0	"	50.0	ND	68.1	76-132			QM-07
m,p-Xylene	69.4	2.0	"	100	8.9	60.5	69-139			QM-07
o-Xylene	34.8	1.0	"	50.0	ND	69.6	74-131			QM-07
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.6	87.3-113			
Surrogate: Toluene-d8	63		"	62.5		100	90.9-108			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	88.6-111			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Andy Verbonitz

Project Number: KMG05131

Project: KMG - Nishimoto George GU #1

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

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

Batch 5A30005 - EPA 5030B (Water)

Matrix Spike Dup (5A30005-MSD1)		Source: X501307-08			Prepared: 01/30/2015 Analyzed: 01/30/2015					
Benzene	54.0	1.0	ug/L	50.0	ND	108	74-130	22.0	20	QR-03
Toluene	54.3	1.0	"	50.0	ND	109	73-131	23.9	20	QR-03
Ethylbenzene	43.0	1.0	"	50.0	ND	85.9	76-132	23.1	20	QR-03
m,p-Xylene	87.5	2.0	"	100	8.9	78.6	69-139	23.1	20	QR-03
o-Xylene	42.5	1.0	"	50.0	ND	84.9	74-131	19.8	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.2	87.3-113			
Surrogate: Toluene-d8	63		"	62.5		100	90.9-108			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	88.6-111			

Origins Laboratory, Inc.



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

Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Andy Verbonitz
Project Number: KMG05131
Project: KMG - Nishimoto George GU #1

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



February 10, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. February 05, 2016. This project is associated with Origins project number X602058-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AMW01R	X602058-01	Water	February 5, 2016 14:00	02/05/2016 16:40
MW02R	X602058-02	Water	February 5, 2016 14:05	02/05/2016 16:40
MW03	X602058-03	Water	February 5, 2016 14:10	02/05/2016 16:40
MW04	X602058-04	Water	February 5, 2016 14:15	02/05/2016 16:40
MW05	X602058-05	Water	February 5, 2016 14:20	02/05/2016 16:40
MW06	X602058-06	Water	February 5, 2016 14:25	02/05/2016 16:40
MW07	X602058-07	Water	February 5, 2016 14:30	02/05/2016 16:40
MW08	X602058-08	Water	February 5, 2016 14:35	02/05/2016 16:40
MW09	X602058-09	Water	February 5, 2016 14:40	02/05/2016 16:40
MW10	X602058-10	Water	February 5, 2016 14:45	02/05/2016 16:40

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: KMG05131/WO#88012000

Project: KMG - Nishimoto George GU #1

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

X602058

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: John Cocroft						
Project: KMG - Nishimoto George GU #1		Project Number: KMG05131/WO#88012000						
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	AMW01R	Water	2/5/16	1400	DS	02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
02-001	MW01R	Water				02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
03-001	MW02R	Water	2/5/16	1405	DS	02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
04-001	MW03	Water		1410		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
05-001	MW04	Water		1415		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
06-001	MW05	Water		1420		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
07-001	MW06	Water		1425		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
08-001	MW07	Water		1430		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
09-001	MW08	Water		1435		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
10-001	MW09	Water		1440		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
11-001	MW10	Water		1445		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C

Temperature on Receipt: 60°

Ice present? Yes ☐ No ☒

Turn Around Time:
Same Day: ☐ 24-hr: ☐ 72-hr: ☐ Standard: ☒

Relinquished By: [Signature] Date/Time: 2/5/16 1640

Received By: [Signature] Date/Time: 2/5/16 1640

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X602058

Client: LTIE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: Jeff Smith

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

Date/time completed: 2/8/16

Airbill #: NA

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

Cooler Number/Temperature: 1 16.0 °C 1 °C 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	X			
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	X			HCL
Additional Comments (if any):				

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

Reviewed by: [Signature]
(Project Manager)

02/09/16
Date/Time/Reviewed

Origins Laboratory, Inc.

Jeff Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01R
2/5/2016 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-01 (Water)

BTEX by EPA 8260C

Benzene	ND	4.0	ug/L	4	B6B0809	02/08/2016	02/09/2016	U
Toluene	ND	4.0	"	"	"	"	"	U
Ethylbenzene	ND	4.0	"	"	"	"	"	U
Xylenes, total	ND	4.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.2 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

2/5/2016 2:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X602058-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.5 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW03
2/5/2016 2:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW04
2/5/2016 2:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121	"	"	"
Surrogate: Toluene-d8	97.7 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	95.6 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW05
2/5/2016 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06
2/5/2016 2:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW07
2/5/2016 2:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW08
2/5/2016 2:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09
2/5/2016 2:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/08/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.9 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
2/5/2016 2:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602058-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B0809	02/08/2016	02/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.1 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6B0809 - EPA 5030B (Water)										
Blank (B6B0809-BLK1)					Prepared: 02/08/2016 Analyzed: 02/08/2016					
Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.0		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6B0809 - EPA 5030B (Water)										
Blank (B6B0809-BLK2)					Prepared: 02/08/2016 Analyzed: 02/08/2016					
Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.8		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B0809 - EPA 5030B (Water)

LCS (B6B0809-BS1)

Prepared: 02/08/2016 Analyzed: 02/08/2016

Benzene	52.7	1.0	ug/L	50.0	105	73.3-129
Toluene	51.2	1.0	"	50.0	102	76.2-123
Ethylbenzene	50.0	1.0	"	50.0	100	73.6-130
m,p-Xylene	99.4	2.0	"	100	99.4	76.1-126
o-Xylene	49.5	1.0	"	50.0	99.0	76.6-124
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5	98.5	84-121
Surrogate: Toluene-d8	62		"	62.5	99.2	85-115
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.4	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B0809 - EPA 5030B (Water)

LCS (B6B0809-BS2)

Prepared: 02/08/2016 Analyzed: 02/08/2016

Benzene	45.0	1.0	ug/L	50.0		90.0	73.3-129
Toluene	44.8	1.0	"	50.0		89.5	76.2-123
Ethylbenzene	44.5	1.0	"	50.0		89.0	73.6-130
m,p-Xylene	89.5	2.0	"	100		89.5	76.1-126
o-Xylene	46.7	1.0	"	50.0		93.5	76.6-124
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121
Surrogate: Toluene-d8	63		"	62.5		101	85-115
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B0809 - EPA 5030B (Water)

Matrix Spike (B6B0809-MS1)		Source: X602057-01			Prepared: 02/08/2016 Analyzed: 02/08/2016					
Benzene	54.3	1.0	ug/L	50.0	ND	109	74-130			
Toluene	53.9	1.0	"	50.0	ND	108	73-131			
Ethylbenzene	52.3	1.0	"	50.0	ND	105	76-132			
m,p-Xylene	106	2.0	"	100	ND	106	69-139			
o-Xylene	54.4	1.0	"	50.0	ND	109	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.4	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B0809 - EPA 5030B (Water)

Matrix Spike (B6B0809-MS2)		Source: X602057-02			Prepared: 02/08/2016 Analyzed: 02/08/2016					
Benzene	45.2	1.0	ug/L	50.0	ND	90.4	74-130			
Toluene	44.3	1.0	"	50.0	ND	88.6	73-131			
Ethylbenzene	44.0	1.0	"	50.0	ND	87.9	76-132			
m,p-Xylene	88.5	2.0	"	100	ND	88.5	69-139			
o-Xylene	46.1	1.0	"	50.0	ND	92.2	74-131			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.9	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.0	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B0809 - EPA 5030B (Water)

Matrix Spike Dup (B6B0809-MSD1)		Source: X602057-01			Prepared: 02/08/2016 Analyzed: 02/08/2016					
Benzene	56.9	1.0	ug/L	50.0	ND	114	74-130	4.66	20	
Toluene	56.5	1.0	"	50.0	ND	113	73-131	4.82	20	
Ethylbenzene	55.5	1.0	"	50.0	ND	111	76-132	5.88	20	
m,p-Xylene	112	2.0	"	100	ND	112	69-139	5.11	20	
o-Xylene	57.2	1.0	"	50.0	ND	114	74-131	5.02	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.8	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.1	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B0809 - EPA 5030B (Water)

Matrix Spike Dup (B6B0809-MSD2)		Source: X602057-02			Prepared: 02/08/2016 Analyzed: 02/08/2016					
Benzene	44.9	1.0	ug/L	50.0	ND	89.9	74-130	0.555	20	
Toluene	43.5	1.0	"	50.0	ND	87.0	73-131	1.84	20	
Ethylbenzene	44.7	1.0	"	50.0	ND	89.5	76-132	1.71	20	
m,p-Xylene	87.9	2.0	"	100	ND	87.9	69-139	0.771	20	
o-Xylene	45.7	1.0	"	50.0	ND	91.4	74-131	0.894	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	84-121			
Surrogate: Toluene-d8	62		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



February 18, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. February 16, 2016. This project is associated with Origins project number X602175-01.

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

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

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

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

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

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



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: KMG05131/WO#88012000

Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	X602175-01	Water	February 16, 2016 13:05	02/16/2016 16:00

TAT changed to 72hr per the email from Andy on 02/17/16.

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page of

X602175

ORIGINS
LABORATORY, INC

Client: LT Environmental Inc
Address: 4600 W 60th Ave
Arvada, CO 80003
Telephone Number: 303-433-9788
Email Address: jcocroft@ltenv.com

Project Manager: John Cocroft
Project Name: Nishimoto George GU #1
Project Number: KMG05131
Samples Collected By: DS

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analyst	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
MW01R	2/16/16	1305	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1
												2
												3
												4
												5
												6
												7
												8
												9
												10

Relinquished By: [Signature] Date: 2/16/16 Time: 1100
Relinquished By: [Signature] Date: 2/16/16 Time: 1600

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

Temp Received: 4.9 Date Results Needed: 2/16/16

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: **X6002175**

Client: **LTE**

Client Project ID: **KMG - Nishimoto George**

Checklist Completed by: **Jeff Smith**

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

Date/time completed: **2/17/16**

Airbill #: **N/A**

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

Cooler Number/Temperature: **1 / 4.9** °C ☐ / _____ °C ☐ / _____ °C (Describe)

Thermometer ID: **TC03**

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

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

Jeff Smith
Reviewed by (Project Manager)

2/17/16
Date/Time Reviewed

Origins Laboratory, Inc.

Jeff Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

2/16/2016 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X602175-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6B1703	02/17/2016	02/18/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.5 %	84-121			"	"	"
Surrogate: Toluene-d8	99.3 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	98.0 %	84-114			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6B1703 - EPA 5030B (Water)										
Blank (B6B1703-BLK1)					Prepared: 02/17/2016 Analyzed: 02/18/2016					
Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	48		"	62.5		76.4	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.8	85-115			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		89.7	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B1703 - EPA 5030B (Water)

LCS (B6B1703-BS1)

Prepared: 02/17/2016 Analyzed: 02/18/2016

Benzene	50.7	1.0	ug/L	50.0	101	73.3-129
Toluene	51.7	1.0	"	50.0	103	76.2-123
Ethylbenzene	50.9	1.0	"	50.0	102	73.6-130
m,p-Xylene	97.4	2.0	"	100	97.4	76.1-126
o-Xylene	48.9	1.0	"	50.0	97.8	76.6-124
Surrogate: 1,2-Dichloroethane-d4	49		"	62.5	77.8	84-121
Surrogate: Toluene-d8	62		"	62.5	99.1	85-115
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.3	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B1703 - EPA 5030B (Water)

Matrix Spike (B6B1703-MS1)		Source: X602155-05			Prepared: 02/17/2016 Analyzed: 02/18/2016					
Benzene	47.0	1.0	ug/L	50.0	ND	93.9	74-130			
Toluene	50.8	1.0	"	50.0	0.1	101	73-131			
Ethylbenzene	48.0	1.0	"	50.0	ND	95.9	76-132			
m,p-Xylene	95.2	2.0	"	100	ND	95.2	69-139			
o-Xylene	45.6	1.0	"	50.0	ND	91.2	74-131			
Surrogate: 1,2-Dichloroethane-d4	43		"	62.5		69.3	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		90.8	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6B1703 - EPA 5030B (Water)

Matrix Spike Dup (B6B1703-MSD1)		Source: X602155-05			Prepared: 02/17/2016 Analyzed: 02/18/2016					
Benzene	49.9	1.0	ug/L	50.0	ND	99.8	74-130	6.03	20	
Toluene	54.7	1.0	"	50.0	0.1	109	73-131	7.45	20	
Ethylbenzene	49.3	1.0	"	50.0	ND	98.5	76-132	2.70	20	
m,p-Xylene	99.3	2.0	"	100	ND	99.3	69-139	4.31	20	
o-Xylene	48.9	1.0	"	50.0	ND	97.7	74-131	6.92	20	
Surrogate: 1,2-Dichloroethane-d4	45		"	62.5		72.8	84-121			
Surrogate: Toluene-d8	62		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.3	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



April 12, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. April 05, 2016. This project is associated with Origins project number X604059-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AMW01R	X604059-01	Water	April 5, 2016 12:00	04/05/2016 15:00
MW01R	X604059-02	Water	April 5, 2016 12:05	04/05/2016 15:00
MW02R	X604059-03	Water	April 5, 2016 12:10	04/05/2016 15:00
MW03	X604059-04	Water	April 5, 2016 12:15	04/05/2016 15:00
MW04	X604059-05	Water	April 5, 2016 12:20	04/05/2016 15:00
MW05	X604059-06	Water	April 5, 2016 12:25	04/05/2016 15:00
MW06	X604059-07	Water	April 5, 2016 12:30	04/05/2016 15:00
MW07	X604059-08	Water	April 5, 2016 12:35	04/05/2016 15:00
MW08	X604059-09	Water	April 5, 2016 12:40	04/05/2016 15:00
MW09	X604059-10	Water	April 5, 2016 12:45	04/05/2016 15:00

Origins Laboratory, Inc.



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

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: KMG05131/WO#88012000

Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW10	X604059-11	Water	April 5, 2016 12:50	04/05/2016 15:00

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

X004059

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: John Cocroft						
Project: KMG - Nishimoto George GU #1		Project Number: KMG05131/WO#88012000						
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	AMW01R	Water	4/16	1200	ph/CT	02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
02-001	MW01R	Water		1205		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
03-001	MW02R	Water		1210		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
04-001	MW03	Water		1215		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
05-001	MW04	Water		1220		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
06-001	MW05	Water		1225		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
07-001	MW06	Water		1230		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
08-001	MW07	Water		1235		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
09-001	MW08	Water		1240		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
10-001	MW09	Water		1245		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
11-001	MW10	Water		1250		02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C

Temperature on Receipt:

Ice present? Yes No

Turn Around Time:

Same Day: ☐ 24-hr: ☐ 48-hr: ☐ 72-hr: ☒ Standard: ☐

Relinquished By: [Signature] Date / Time: 4/5/16 1:00

Relinquished By: [Signature] Date / Time: 4/5/16

Received By: [Signature] Date / Time: 4/5/16

Received By: [Signature] Date / Time: 4/5/16

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X604059

Client: HE

Client Project ID: Nishimoto George

Checklist Completed by: ndm

Shipped Via: HD

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

Date/time completed: 4.5.14 1507

Airbill #: _____

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

Cooler Number/Temperature: 4.4 / _____ °C _____ / _____ °C _____ / _____ °C (Describe)

Thermometer ID: T002

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			<u>HEC</u>
Additional Comments (if any):				

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

Jeff Brown
Reviewed by (Project Manager)

4/6/16
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01R
4/5/2016 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	96.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

4/5/2016 12:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	1.3	1.0	"	"	"	"	"	
Xylenes, total	2.7	1.0	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	95.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

4/5/2016 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"
Surrogate: Toluene-d8	97.3 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	97.9 %	84-114			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW03

4/5/2016 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"
Surrogate: Toluene-d8	97.8 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	94.5 %	84-114			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW04
4/5/2016 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121	"	"	"
Surrogate: Toluene-d8	96.8 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	98.2 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW05
4/5/2016 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.6 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	95.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06
4/5/2016 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-07 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.3 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW07
4/5/2016 12:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-08 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.0 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW08
4/5/2016 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-09 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121			"	"	"
Surrogate: Toluene-d8	97.9 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	99.2 %	84-114			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09

4/5/2016 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-10 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"
Surrogate: Toluene-d8	95.5 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	95.9 %	84-114			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
4/5/2016 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X604059-11 (Water)

BTEX by EPA 8260C

Benzene	ND	1.0	ug/L	1	B6D0805	04/08/2016	04/09/2016	U
Toluene	ND	1.0	"	"	"	"	"	U
Ethylbenzene	ND	1.0	"	"	"	"	"	U
Xylenes, total	ND	1.0	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.7 %	84-121			"	"	"
Surrogate: Toluene-d8	96.4 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	96.4 %	84-114			"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B6D0805 - EPA 5030B (Water)										
Blank (B6D0805-BLK1)					Prepared: 04/08/2016 Analyzed: 04/09/2016					
Benzene	ND	1.0	ug/L							U
Toluene	ND	1.0	"							U
Ethylbenzene	ND	1.0	"							U
Xylenes, total	ND	1.0	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5	102		84-121			
Surrogate: Toluene-d8	61		"	62.5	97.5		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6D0805 - EPA 5030B (Water)

LCS (B6D0805-BS1)

Prepared: 04/08/2016 Analyzed: 04/09/2016

Benzene	56.7	1.0	ug/L	50.0	113	73.3-129
Toluene	55.6	1.0	"	50.0	111	76.2-123
Ethylbenzene	58.6	1.0	"	50.0	117	73.6-130
m,p-Xylene	116	2.0	"	100	116	76.1-126
o-Xylene	54.8	1.0	"	50.0	110	76.6-124
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5	93.8	84-121
Surrogate: Toluene-d8	59		"	62.5	94.4	85-115
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6D0805 - EPA 5030B (Water)

Matrix Spike (B6D0805-MS1)		Source: X604059-01			Prepared: 04/08/2016 Analyzed: 04/09/2016					
Benzene	65.1	1.0	ug/L	50.0	ND	130	74-130			
Toluene	64.8	1.0	"	50.0	ND	130	73-131			
Ethylbenzene	67.5	1.0	"	50.0	ND	135	76-132			QM-07
m,p-Xylene	131	2.0	"	100	ND	131	69-139			
o-Xylene	60.8	1.0	"	50.0	ND	122	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.1	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.6	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.8	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6D0805 - EPA 5030B (Water)

Matrix Spike Dup (B6D0805-MSD1)		Source: X604059-01			Prepared: 04/08/2016 Analyzed: 04/09/2016					
Benzene	61.1	1.0	ug/L	50.0	ND	122	74-130	6.29	20	
Toluene	59.9	1.0	"	50.0	ND	120	73-131	7.86	20	
Ethylbenzene	61.0	1.0	"	50.0	ND	122	76-132	10.2	20	
m,p-Xylene	118	2.0	"	100	ND	118	69-139	11.0	20	
o-Xylene	56.0	1.0	"	50.0	ND	112	74-131	8.20	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.4	84-121			
Surrogate: Toluene-d8	61		"	62.5		96.9	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



July 29, 2016

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. July 25, 2016. This project is associated with Origins project number X607273-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	X607273-01	Water	July 25, 2016 11:00	07/25/2016 12:50
MW02R	X607273-02	Water	July 25, 2016 11:05	07/25/2016 12:50
MW10	X607273-03	Water	July 25, 2016 11:10	07/25/2016 12:50

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

www.originslaboratory.com

page of

ORIGINS LABORATORY, INC

Client: LTE

Address: 4600 W 60th Ave

Arvada CO 80003

Telephone Number: 303 433 9788

Email Address: JCocroft@ltenv.com / See list

Project Manager: John Cocroft

Project Name: Nishimoto George GU #1

Project Number: KMG05131

Samples Collected By: John Tellis

APC WO # 88012000

APC Contact: Paul Humlich

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analyst	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	At Conting #		
Mw/R	7/25/16	1100	3	X	X	X		X				1
Mw/R	7/25/16	1105	3	X	X	X		X				2
Mw/R	7/25/16	1110	3	X	X	X		X				3
												4
												5
												6
												7
												8
												9
												10
Relinquished By: <u>John Cocroft</u>	Date: <u>7/25/16</u>	Time: <u>1230</u>						Received By: <u>[Signature]</u>	Date: <u>7.25.16</u>	Time: <u>1230</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 75°C	
Relinquished By: <u>[Signature]</u>	Date: <u>7/25/16</u>	Time: <u>1230</u>						Received By: <u>[Signature]</u>	Date: <u>7.25.16</u>	Time: <u>1230</u>		

Temp Received: _____ Date Results Needed: _____

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

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X607273

Client: LTE

Client Project ID: Nishimoto George GU #1

Checklist Completed by: J-P Smith

Shipped Via: H/D
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 7/25/16

Airbill #: NA

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

Cooler Number/Temperature: 1 / 7.5 °C 1 / _____ °C 1 / _____ °C (Describe)

Thermometer ID: 7003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		X		Sampled Same Day
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		1		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		2		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	2			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		1		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	1			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	2			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	2			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	2			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	1			HCL
Additional Comments (if any):				

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

Reviewed by (Project Manager)

Date/Time Reviewed: 7/27/16

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

7/25/2016 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X607273-01 (Water)

BTEX by EPA 8260C

Benzene	5.25	1.00	ug/L	1	B6G2701	07/27/2016	07/27/2016	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	17.6	1.00	"	"	"	"	"	
Xylenes, total	44.0	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	108 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

7/25/2016 11:05:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X607273-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6G2701	07/27/2016	07/27/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	2.70	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	99.7 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	96.0 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10

7/25/2016 11:10:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X607273-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6G2701	07/27/2016	07/27/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	99.9 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	96.2 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6G2701 - EPA 5030B (Water)

Blank (B6G2701-BLK1)

Prepared: 07/27/2016 Analyzed: 07/27/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.0		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6G2701 - EPA 5030B (Water)

LCS (B6G2701-BS1)

Prepared: 07/27/2016 Analyzed: 07/27/2016

Benzene	46.5	1.00	ug/L	50.0		92.9	73.3-129
Toluene	47.0	1.00	"	50.0		93.9	76.2-123
Ethylbenzene	47.6	1.00	"	50.0		95.3	73.6-130
m,p-Xylene	96.2	2.00	"	100		96.2	76.1-126
o-Xylene	48.7	1.00	"	50.0		97.4	76.6-124
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.7	84-121
Surrogate: Toluene-d8	63		"	62.5		101	85-115
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.8	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6G2701 - EPA 5030B (Water)

Matrix Spike (B6G2701-MS1)		Source: X607271-02			Prepared: 07/27/2016 Analyzed: 07/27/2016					
Benzene	58.9	1.00	ug/L	50.0	ND	118	74-130			
Toluene	59.0	1.00	"	50.0	ND	118	73-131			
Ethylbenzene	60.9	1.00	"	50.0	ND	122	76-132			
m,p-Xylene	122	2.00	"	100	ND	122	69-139			
o-Xylene	60.1	1.00	"	50.0	ND	120	74-131			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.1	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6G2701 - EPA 5030B (Water)

Matrix Spike Dup (B6G2701-MSD1)		Source: X607271-02			Prepared: 07/27/2016 Analyzed: 07/27/2016					
Benzene	51.8	1.00	ug/L	50.0	ND	104	74-130	12.9	20	
Toluene	52.4	1.00	"	50.0	ND	105	73-131	11.9	20	
Ethylbenzene	54.1	1.00	"	50.0	ND	108	76-132	11.8	20	
m,p-Xylene	108	2.00	"	100	ND	108	69-139	12.0	20	
o-Xylene	53.5	1.00	"	50.0	ND	107	74-131	11.7	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.9	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.0	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



October 27, 2016

LT Environmental, Inc.

Justin Solomon

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. October 20, 2016. This project is associated with Origins project number X610229-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	X610229-01	Water	October 20, 2016 10:45	10/20/2016 15:30
MW02R	X610229-02	Water	October 20, 2016 10:50	10/20/2016 15:30
MW10	X610229-03	Water	October 20, 2016 10:55	10/20/2016 15:30

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

X160229

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: John Cocroft						
Project: KMG - Nishimoto George GU #1		Project Number: KMG05131/WO#88012000						
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01R	Water	10/20/16	1015	CT	02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
02-001	MW02R	Water	10/20/16	1050	✓	02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C
03-001	MW10	Water	10/20/16	1055	✓	02_40mL Amber VOA Val - HCL	3	BTEX by EPA 8260C

Relinquished By	Date / Time	Relinquished By	Date / Time
<i>ALZ</i>	10/20/16 1530	<i>JS</i>	10/20/16 1530
Received By	Date / Time	Received By	Date / Time

Temperature on Receipt: 3.8

Ice present? Yes ☐ No ☒

Turn Around Time:
Same Day: ☐ 24-hr: ☐ 72-hr: ☐ Standard: ☒

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X610229

Client: LTE

Client Project ID: KMG - Nishimoto

Checklist Completed by: Jeff Smith

Shipped Via: HD

Date/time completed: 10/21/12

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

Airbill #: NA

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

Cooler Number/Temperature: 1, 3, 8 °C 1 °C 1 °C (Describe)

Thermometer ID: TCB

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCL
Additional Comments (if any):				

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

Reviewed by (Project Manager)

Date/Time Reviewed

Origins Laboratory, Inc.

Jeff Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

10/20/2016 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X610229-01 (Water)

BTEX by EPA 8260C

Benzene	3.81	1.00	ug/L	1	B6J2603	10/26/2016	10/26/2016	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	7.92	1.00	"	"	"	"	"	
Xylenes, total	20.6	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

10/20/2016 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X610229-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J2603	10/26/2016	10/26/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	92.4 %	84-121	"	"	"
Surrogate: Toluene-d8	102 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
10/20/2016 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X610229-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J2603	10/26/2016	10/26/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.2 %	84-121			"	"	"	
Surrogate: Toluene-d8	86.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

Blank (B6J2603-BLK1)

Prepared: 10/26/2016 Analyzed: 10/26/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5	94.8		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5	104		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

Blank (B6J2603-BLK2)

Prepared: 10/26/2016 Analyzed: 10/26/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5	95.2		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5	106		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

LCS (B6J2603-BS1)

Prepared: 10/26/2016 Analyzed: 10/26/2016

Benzene	54.0	1.00	ug/L	50.0		108	73.3-129			
Toluene	49.0	1.00	"	50.0		98.1	76.2-123			
Ethylbenzene	48.2	1.00	"	50.0		96.5	73.6-130			
m,p-Xylene	94.9	2.00	"	100		94.9	76.1-126			
o-Xylene	47.9	1.00	"	50.0		95.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		86.8	84-121			
Surrogate: Toluene-d8	61		"	62.5		97.6	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

LCS (B6J2603-BS2)

Prepared: 10/26/2016 Analyzed: 10/26/2016

Benzene	50.8	1.00	ug/L	50.0	102	73.3-129
Toluene	45.3	1.00	"	50.0	90.6	76.2-123
Ethylbenzene	45.4	1.00	"	50.0	90.8	73.6-130
m,p-Xylene	89.0	2.00	"	100	89.0	76.1-126
o-Xylene	45.8	1.00	"	50.0	91.5	76.6-124
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5	86.7	84-121
Surrogate: Toluene-d8	63		"	62.5	101	85-115
Surrogate: 4-Bromofluorobenzene	66		"	62.5	105	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

Matrix Spike (B6J2603-MS1)		Source: X610225-01			Prepared: 10/26/2016 Analyzed: 10/26/2016					
Benzene	55.0	1.00	ug/L	50.0	ND	110	74-130			
Toluene	50.4	1.00	"	50.0	ND	101	73-131			
Ethylbenzene	53.3	1.00	"	50.0	0.770	105	76-132			
m,p-Xylene	102	2.00	"	100	ND	102	69-139			
o-Xylene	49.9	1.00	"	50.0	ND	99.8	74-131			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		90.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		104	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

Matrix Spike (B6J2603-MS2)		Source: X610225-09			Prepared: 10/26/2016 Analyzed: 10/26/2016					
Benzene	53.8	1.00	ug/L	50.0	ND	108	74-130			
Toluene	50.2	1.00	"	50.0	ND	100	73-131			
Ethylbenzene	51.7	1.00	"	50.0	ND	103	76-132			
m,p-Xylene	99.7	2.00	"	100	ND	99.7	69-139			
o-Xylene	49.0	1.00	"	50.0	ND	98.0	74-131			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		88.2	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

Matrix Spike Dup (B6J2603-MSD1)		Source: X610225-01			Prepared: 10/26/2016 Analyzed: 10/26/2016					
Benzene	50.8	1.00	ug/L	50.0	ND	102	74-130	7.92	20	
Toluene	47.0	1.00	"	50.0	ND	94.1	73-131	6.92	20	
Ethylbenzene	48.8	1.00	"	50.0	0.770	96.1	76-132	8.85	20	
m,p-Xylene	93.0	2.00	"	100	ND	93.0	69-139	8.79	20	
o-Xylene	45.4	1.00	"	50.0	ND	90.7	74-131	9.47	20	
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		87.6	84-121			
Surrogate: Toluene-d8	65		"	62.5		104	85-115			
Surrogate: 4-Bromofluorobenzene	66		"	62.5		106	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J2603 - EPA 5030B (Water)

Matrix Spike Dup (B6J2603-MSD2)		Source: X610225-09			Prepared: 10/26/2016 Analyzed: 10/26/2016					
Benzene	50.8	1.00	ug/L	50.0	ND	102	74-130	5.66	20	
Toluene	46.4	1.00	"	50.0	ND	92.9	73-131	7.82	20	
Ethylbenzene	48.3	1.00	"	50.0	ND	96.6	76-132	6.82	20	
m,p-Xylene	92.8	2.00	"	100	ND	92.8	69-139	7.19	20	
o-Xylene	45.1	1.00	"	50.0	ND	90.3	74-131	8.22	20	
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		87.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	67		"	62.5		107	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



November 01, 2016

LT Environmental, Inc.

Justin Solomon

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. October 26, 2016. This project is associated with Origins project number X610301-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW09R	X610301-01	Water	October 26, 2016 13:25	10/26/2016 15:45
AMW01T	X610301-02	Water	October 26, 2016 13:15	10/26/2016 15:45
MW06T	X610301-03	Water	October 26, 2016 13:20	10/26/2016 15:45

Origins Laboratory, Inc.



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

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS

LABORATORY, INC

www.originslaboratory.com

Client: LT ENVIRONMENTAL

Address: 4600 W 60th Ave

ARVADA CO 80003

970-433-9788

Telephone Number: _____

Email Address: _____

Project Manager: J. Solomon

Project Name: Nishimoto George CU #1




Project Number: KM605131

Samples Collected By: D. Newman

APL=PHL/HAMIN

page

1 of 1

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
MW04R	10-26-16	1325	3	X				X		X	X	1	
AMW01T	10-26-16	1315	3	X				X		X	X	2	
AMW06T	10-26-16	1330	3					X		X	X	3	
												4	
												5	
												6	
												7	
												8	
												9	
												10	
Relinquished By: 	Date: 10-26-16	Time: 1315		Received By: 				Date: 10/26/16			Time: 1315	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard	
Relinquished By: 	Date:	Time:		Received By:				Date:			Time:	Standard <input checked="" type="checkbox"/>	

Temp Received: 18.2

Date Results Needed

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Origins Laboratory, Inc.

Jeff Pellipini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X1010301

Client: LTE

Client Project ID: KMG-Nishimoto George

Checklist Completed by: Jeff Smith

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

Date/time completed: 10/27/16

Airbill #: NA

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

Cooler Number/Temperature: 1 18.2 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: TC02

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		X		Sampled Some Dry
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		X		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	X			HCL
Additional Comments (if any): Per the phone call from Daniel on 10/27/16 sample ID ANWOLGT was changed to MWOLGT. 9p 10/27/16				

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

Reviewed by: [Signature]
(Project Manager)

Date/Time Reviewed: 10/27/16

Origins Laboratory, Inc.

[Signature]

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R

10/26/2016 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X610301-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J3103	10/31/2016	10/31/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	104 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T

10/26/2016 1:15:00PM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
X610301-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B6J3103	10/31/2016	10/31/2016	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121	"	"	"
Surrogate: Toluene-d8	105 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T

10/26/2016 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X610301-03 (Water)

BTEX by EPA 8260C

Benzene	1.34	1.00	ug/L	1	B6J3103	10/31/2016	10/31/2016	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	6.90	1.00	"	"	"	"	"	
Xylenes, total	29.2	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	84-121			"	"	"	
Surrogate: Toluene-d8	106 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J3103 - EPA 5030B (Water)

Blank (B6J3103-BLK1)

Prepared: 10/31/2016 Analyzed: 10/31/2016

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5	100		84-121			
Surrogate: Toluene-d8	65		"	62.5	104		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J3103 - EPA 5030B (Water)

LCS (B6J3103-BS1)

Prepared: 10/31/2016 Analyzed: 10/31/2016

Benzene	52.7	1.00	ug/L	50.0		105	73.3-129			
Toluene	52.8	1.00	"	50.0		106	76.2-123			
Ethylbenzene	50.1	1.00	"	50.0		100	73.6-130			
m,p-Xylene	101	2.00	"	100		101	76.1-126			
o-Xylene	49.5	1.00	"	50.0		98.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.2	84-121			
Surrogate: Toluene-d8	67		"	62.5		108	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J3103 - EPA 5030B (Water)

Matrix Spike (B6J3103-MS1)		Source: X610286-02			Prepared: 10/31/2016 Analyzed: 10/31/2016					
Benzene	52.7	1.00	ug/L	50.0	0.280	105	74-130			
Toluene	52.8	1.00	"	50.0	ND	106	73-131			
Ethylbenzene	50.1	1.00	"	50.0	ND	100	76-132			
m,p-Xylene	101	2.00	"	100	ND	101	69-139			
o-Xylene	49.5	1.00	"	50.0	ND	98.9	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.2	84-121			
Surrogate: Toluene-d8	67		"	62.5		108	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.1	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B6J3103 - EPA 5030B (Water)

Matrix Spike Dup (B6J3103-MSD1)		Source: X610286-02			Prepared: 10/31/2016 Analyzed: 11/01/2016					
Benzene	56.5	1.00	ug/L	50.0	0.280	112	74-130	6.96	20	
Toluene	56.8	1.00	"	50.0	ND	114	73-131	7.37	20	
Ethylbenzene	52.7	1.00	"	50.0	ND	105	76-132	5.00	20	
m,p-Xylene	109	2.00	"	100	ND	109	69-139	7.85	20	
o-Xylene	56.5	1.00	"	50.0	ND	113	74-131	13.3	20	
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.0	84-121			
Surrogate: Toluene-d8	68		"	62.5		109	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



January 16, 2017

LT Environmental, Inc.

Justin Solomon

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 12, 2017. This project is associated with Origins project number X701129-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	X701129-01	Water	January 12, 2017 13:00	01/12/2017 16:00
MW02R	X701129-02	Water	January 12, 2017 13:05	01/12/2017 16:00
MW10	X701129-03	Water	January 12, 2017 13:10	01/12/2017 16:00
AMW01T	X701129-04	Water	January 12, 2017 13:15	01/12/2017 16:00
MW06T	X701129-05	Water	January 12, 2017 13:20	01/12/2017 16:00
MW09R	X701129-06	Water	January 12, 2017 13:25	01/12/2017 16:00

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

X701129

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc. Project Manager: Justin Solomon
Project: KMG - Nishimoto George GU #1 Project Number: KMG05131/WO#88012000

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01R	Water	11/2/17	1300	GAZ	02_40mL Amber VOA Vial - HCL	3	BTEX by EPA R090C
02-001	MW02R	Water		1305		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA R090C
03-001	MW10	Water		1310		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA R090C
04-001	AMW01T	Water		1315		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA R090C
05-001	MW06T	Water		1320		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA R090C
06-001	MW09R	Water		1325		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA R090C

Relinquished By: *[Signature]* Date / Time: 11/2/17 1600
Received By: *[Signature]* Date / Time: 11/2/17 1600

Relinquished By: *[Signature]* Date / Time: 11/2/17 1600
Received By: *[Signature]* Date / Time: 11/2/17 1600

Temperature on Receipt: *h.i.*
Turn Around Time: ☐ Same Day ☐ 72-hr ☐ Standard ☐ 24-hr ☐ 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: X701129

Client: LTE

Client Project ID: KMG-Nishimoto George

Checklist Completed by: L. E. Smith

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

Date/time completed: 1-13-12

Airbill #: NA

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

Cooler Number/Temperature: 1 / 4.1 °C 1 / 1 °C 1 / 1 °C 1 / 1 °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Hu</u>
Additional Comments (if any):				

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

Reviewed by (Project Manager): J. E. Smith

Date/Time Reviewed: 1-13-12

Origins Laboratory, Inc.

Jen Pellegrini

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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

1/12/2017 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X701129-01 (Water)

BTEX by EPA 8260C

Benzene	4.86	1.00	ug/L	1	B7A1307	01/13/2017	01/16/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	2.91	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	97.0 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

1/12/2017 1:05:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X701129-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1307	01/13/2017	01/16/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.8 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
1/12/2017 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X701129-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1307	01/13/2017	01/16/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	96.6 %	84-121	"	"	"
Surrogate: Toluene-d8	97.8 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	84-114	"	"	"

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T
1/12/2017 1:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X701129-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1307	01/13/2017	01/16/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	98.7 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.2 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T
1/12/2017 1:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
X701129-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1307	01/13/2017	01/16/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.4 %	84-121			"	"	"	
Surrogate: Toluene-d8	100 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.6 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R

1/12/2017 1:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. X701129-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7A1307	01/13/2017	01/16/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	99.4 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

Blank (B7A1307-BLK1)

Prepared: 01/13/2017 Analyzed: 01/15/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5	97.5		84-121			
Surrogate: Toluene-d8	61		"	62.5	97.8		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	100		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

Blank (B7A1307-BLK2)

Prepared: 01/13/2017 Analyzed: 01/15/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	60		"	62.5	96.7		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

LCS (B7A1307-BS1)

Prepared: 01/13/2017 Analyzed: 01/15/2017

Benzene	56.0	1.00	ug/L	50.0	112	73.3-129
Toluene	53.5	1.00	"	50.0	107	76.2-123
Ethylbenzene	55.7	1.00	"	50.0	111	73.6-130
m,p-Xylene	114	2.00	"	100	114	76.1-126
o-Xylene	55.9	1.00	"	50.0	112	76.6-124
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	105	84-121
Surrogate: Toluene-d8	62		"	62.5	98.4	85-115
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.9	84-114

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

LCS (B7A1307-BS2)

Prepared: 01/13/2017 Analyzed: 01/15/2017

Benzene	53.6	1.00	ug/L	50.0		107	73.3-129			
Toluene	52.2	1.00	"	50.0		104	76.2-123			
Ethylbenzene	54.3	1.00	"	50.0		109	73.6-130			
m,p-Xylene	109	2.00	"	100		109	76.1-126			
o-Xylene	54.5	1.00	"	50.0		109	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		87.0	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.2	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

Matrix Spike (B7A1307-MS1)		Source: X701130-01			Prepared: 01/13/2017 Analyzed: 01/15/2017					
Benzene	58.4	1.00	ug/L	50.0	ND	117	74-130			
Toluene	56.4	1.00	"	50.0	ND	113	73-131			
Ethylbenzene	60.3	1.00	"	50.0	ND	121	76-132			
m,p-Xylene	121	2.00	"	100	ND	121	69-139			
o-Xylene	58.9	1.00	"	50.0	ND	118	74-131			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		103	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.2	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

Matrix Spike (B7A1307-MS2)		Source: X701130-02			Prepared: 01/13/2017 Analyzed: 01/15/2017					
Benzene	56.6	1.00	ug/L	50.0	ND	113	74-130			
Toluene	55.0	1.00	"	50.0	ND	110	73-131			
Ethylbenzene	58.0	1.00	"	50.0	ND	116	76-132			
m,p-Xylene	116	2.00	"	100	ND	116	69-139			
o-Xylene	58.0	1.00	"	50.0	ND	116	74-131			
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.3	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

Matrix Spike Dup (B7A1307-MSD1)		Source: X701130-01			Prepared: 01/13/2017 Analyzed: 01/15/2017					
Benzene	57.2	1.00	ug/L	50.0	ND	114	74-130	2.06	20	
Toluene	56.2	1.00	"	50.0	ND	112	73-131	0.231	20	
Ethylbenzene	58.5	1.00	"	50.0	ND	117	76-132	2.95	20	
m,p-Xylene	117	2.00	"	100	ND	117	69-139	2.67	20	
o-Xylene	58.6	1.00	"	50.0	ND	117	74-131	0.510	20	
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5		102	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.6	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

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

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

Batch B7A1307 - EPA 5030B (Water)

Matrix Spike Dup (B7A1307-MSD2)		Source: X701130-02			Prepared: 01/13/2017 Analyzed: 01/15/2017					
Benzene	57.8	1.00	ug/L	50.0	ND	116	74-130	1.99	20	
Toluene	56.0	1.00	"	50.0	ND	112	73-131	1.87	20	
Ethylbenzene	58.8	1.00	"	50.0	ND	118	76-132	1.37	20	
m,p-Xylene	117	2.00	"	100	ND	117	69-139	0.721	20	
o-Xylene	58.5	1.00	"	50.0	ND	117	74-131	0.841	20	
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5		106	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Justin Solomon
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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



April 12, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. April 05, 2017. This project is associated with Origins project number Y704041-01.

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

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

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

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

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

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



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

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y704041-01	Water	April 5, 2017 12:30	04/05/2017 15:42
MW02R	Y704041-02	Water	April 5, 2017 12:35	04/05/2017 15:42
MW10	Y704041-03	Water	April 5, 2017 12:40	04/05/2017 15:42
AMW01T	Y704041-04	Water	April 5, 2017 12:45	04/05/2017 15:42
MW06T	Y704041-05	Water	April 5, 2017 12:50	04/05/2017 15:42
MW09R	Y704041-06	Water	April 5, 2017 12:55	04/05/2017 15:42

Origins Laboratory, Inc.



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

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

Y704041

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger						
Project: KMG - Nishimoto George GU #1		Project Number: KMG05131/WO#88012000						
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01R	Water	4/5/17	1230	CT	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW02R	Water		1235		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW10	Water		1240		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	AMW01T	Water		1245		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	MW06T	Water		1250		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW09R	Water		1255		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Temperature on Receipt: 9.0°C
Turn Around Time:
Same Day: ☐ 72-hr: ☒ Standard: ☐
24-hr: ☐ 48-hr: ☐

Relinquished By: [Signature] Date / Time: 4/5/17 1542
Received By: [Signature] Date / Time: 4/5/17 1542

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y704041

Client: LTF

Client Project ID: KMG - Nishimoto George

Checklist Completed by: Dan

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4-6-11 1107

Airbill #: NA

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 9.0 °C 1 °C 1 °C (Describe) 1 °C

Thermometer ID: TOCB

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>sampled same day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) Dan

4-6-11 1107
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

4/5/2017 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y704041-01 (Water)

BTEX by EPA 8260C

Benzene	4.97	1.00	ug/L	1	B7D1006	04/10/2017	04/10/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	1.55	1.00	"	"	"	"	"	
Xylenes, total	3.60	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"
Surrogate: Toluene-d8	103 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	99.8 %	84-114			"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

4/5/2017 12:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704041-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1006	04/10/2017	04/11/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

115 % 84-121
98.1 % 85-115
101 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
4/5/2017 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y704041-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1006	04/10/2017	04/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121	"	"	"
Surrogate: Toluene-d8	102 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	98.7 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T

4/5/2017 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704041-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1006	04/10/2017	04/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121			"	"	"	
Surrogate: Toluene-d8	102 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T
4/5/2017 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y704041-05 (Water)

BTEX by EPA 8260C

Benzene	5.29	1.00	ug/L	1	B7D1006	04/10/2017	04/10/2017	
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	4.06	1.00	"	"	"	"	"	
Xylenes, total	7.44	1.00	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	84-121			"	"	"	
Surrogate: Toluene-d8	103 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.7 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R

4/5/2017 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y704041-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7D1006	04/10/2017	04/10/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.6 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7D1006 - EPA 5030B (Water)										
Blank (B7D1006-BLK1)					Prepared: 04/10/2017 Analyzed: 04/10/2017					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.9	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7D1006 - EPA 5030B (Water)										
Blank (B7D1006-BLK2)					Prepared: 04/10/2017 Analyzed: 04/10/2017					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.9	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.1	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1006 - EPA 5030B (Water)

LCS (B7D1006-BS1)

Prepared: 04/10/2017 Analyzed: 04/10/2017

Benzene	52.9	1.00	ug/L	50.0	106	73.3-129
Toluene	54.8	1.00	"	50.0	110	76.2-123
Ethylbenzene	57.5	1.00	"	50.0	115	73.6-130
m,p-Xylene	114	2.00	"	100	114	76.1-126
o-Xylene	53.9	1.00	"	50.0	108	76.6-124
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5	90.3	84-121
Surrogate: Toluene-d8	62		"	62.5	98.5	85-115
Surrogate: 4-Bromofluorobenzene	60		"	62.5	95.6	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1006 - EPA 5030B (Water)

LCS (B7D1006-BS2)

Prepared: 04/10/2017 Analyzed: 04/10/2017

Benzene	49.3	1.00	ug/L	50.0		98.6	73.3-129			
Toluene	53.6	1.00	"	50.0		107	76.2-123			
Ethylbenzene	57.1	1.00	"	50.0		114	73.6-130			
m,p-Xylene	112	2.00	"	100		112	76.1-126			
o-Xylene	53.3	1.00	"	50.0		107	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		88.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.9	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1006 - EPA 5030B (Water)

Matrix Spike (B7D1006-MS1)		Source: Y704072-01			Prepared: 04/10/2017 Analyzed: 04/10/2017					
Benzene	49.8	1.00	ug/L	50.0	ND	99.5	74-130			
Toluene	53.7	1.00	"	50.0	ND	107	73-131			
Ethylbenzene	55.7	1.00	"	50.0	ND	111	76-132			
m,p-Xylene	112	2.00	"	100	ND	112	69-139			
o-Xylene	52.6	1.00	"	50.0	ND	105	74-131			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.9	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.7	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1006 - EPA 5030B (Water)

Matrix Spike (B7D1006-MS2)		Source: Y704036-01			Prepared: 04/10/2017 Analyzed: 04/10/2017					
Benzene	49.0	1.00	ug/L	50.0	ND	98.0	74-130			
Toluene	53.1	1.00	"	50.0	ND	106	73-131			
Ethylbenzene	54.7	1.00	"	50.0	ND	109	76-132			
m,p-Xylene	109	2.00	"	100	ND	109	69-139			
o-Xylene	52.0	1.00	"	50.0	ND	104	74-131			
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.6	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1006 - EPA 5030B (Water)

Matrix Spike Dup (B7D1006-MSD1)		Source: Y704072-01			Prepared: 04/10/2017 Analyzed: 04/11/2017					
Benzene	48.1	1.00	ug/L	50.0	ND	96.3	74-130	3.31	20	
Toluene	52.4	1.00	"	50.0	ND	105	73-131	2.38	20	
Ethylbenzene	55.1	1.00	"	50.0	ND	110	76-132	1.03	20	
m,p-Xylene	109	2.00	"	100	ND	109	69-139	2.76	20	
o-Xylene	51.6	1.00	"	50.0	ND	103	74-131	1.92	20	
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.7	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.8	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7D1006 - EPA 5030B (Water)

Matrix Spike Dup (B7D1006-MSD2)		Source: Y704036-01			Prepared: 04/10/2017 Analyzed: 04/10/2017					
Benzene	50.4	1.00	ug/L	50.0	ND	101	74-130	2.74	20	
Toluene	53.4	1.00	"	50.0	ND	107	73-131	0.601	20	
Ethylbenzene	54.5	1.00	"	50.0	ND	109	76-132	0.366	20	
m,p-Xylene	111	2.00	"	100	ND	111	69-139	1.66	20	
o-Xylene	52.2	1.00	"	50.0	ND	104	74-131	0.461	20	
Surrogate: 1,2-Dichloroethane-d4	56		"	62.5		89.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.6	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



July 13, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. July 07, 2017. This project is associated with Origins project number Y707084-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y707084-01	Water	July 7, 2017 12:00	07/07/2017 18:02
MW02R	Y707084-02	Water	July 7, 2017 12:05	07/07/2017 18:02
MW10	Y707084-03	Water	July 7, 2017 12:10	07/07/2017 18:02
MW09R	Y707084-04	Water	July 7, 2017 12:15	07/07/2017 18:02

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

Y707084

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
Project: KMG - Nishimoto George GU #1 Project Number: KMG05131/WO#88012000

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	QTY	Analyses
01-001	MW01R	Water	07-07-17	1300	Denali T.	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW02R	Water	07-07-17	1305		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW10	Water	07-07-17	1310		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW09R	Water	07-07-17	1315		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	AMW01T	Water				40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW06T	Water				40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: *[Signature]* Date / Time: 7-7-17 / 1800
Received By: *[Signature]* Date / Time: 7-7-17 / 1800

Temperature on Receipt: 26.5
Turn Around Time: ☐ 72-hr ☒ Standard ☐ 24-hr ☐ 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Brian Sulzberger

Project Number: KMG05131/WO#88012000

Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4707084

Client: LTE

Client Project ID: KMG Nishimoto George

Checklist Completed by: DLK

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 7-10-12 1334

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☐ Soil/Solid ☒ Water ☐ Other: _____

Cooler Number/Temperature: 1 / 26.5 °C / _____ °C / _____ °C (Describe)

Thermometer ID: TC2412

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		sampled same day
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

7-10-12 1334
Date/Time Reviewed

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

7/7/2017 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y707084-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G1201	07/12/2017	07/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	98.0 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

7/7/2017 12:05:00PM

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.
Y707084-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G1201	07/12/2017	07/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

103 % 84-121
99.1 % 85-115
101 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
7/7/2017 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y707084-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G1201	07/12/2017	07/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	98.9 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R

7/7/2017 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y707084-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7G1201	07/12/2017	07/12/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	97.9 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G1201 - EPA 5030B (Water)

Blank (B7G1201-BLK1)

Prepared: 07/12/2017 Analyzed: 07/12/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	68		"	62.5	109		84-121			
Surrogate: Toluene-d8	62		"	62.5	98.7		85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	98.0		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G1201 - EPA 5030B (Water)

LCS (B7G1201-BS1)

Prepared: 07/12/2017 Analyzed: 07/12/2017

Benzene	48.2	1.00	ug/L	50.0		96.5	73.3-129
Toluene	49.2	1.00	"	50.0		98.5	76.2-123
Ethylbenzene	46.1	1.00	"	50.0		92.2	73.6-130
m,p-Xylene	97.5	2.00	"	100		97.5	76.1-126
o-Xylene	46.3	1.00	"	50.0		92.6	76.6-124
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.3	84-121
Surrogate: Toluene-d8	63		"	62.5		100	85-115
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G1201 - EPA 5030B (Water)

Matrix Spike (B7G1201-MS1)		Source: Y707081-03			Prepared: 07/12/2017 Analyzed: 07/12/2017					
Benzene	54.7	1.00	ug/L	50.0	ND	109	74-130			
Toluene	55.4	1.00	"	50.0	ND	111	73-131			
Ethylbenzene	52.1	1.00	"	50.0	ND	104	76-132			
m,p-Xylene	112	2.00	"	100	ND	112	69-139			
o-Xylene	52.4	1.00	"	50.0	ND	105	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.9	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7G1201 - EPA 5030B (Water)

Matrix Spike Dup (B7G1201-MSD1)		Source: Y707081-03			Prepared: 07/12/2017 Analyzed: 07/12/2017					
Benzene	54.6	1.00	ug/L	50.0	ND	109	74-130	0.220	20	
Toluene	55.4	1.00	"	50.0	ND	111	73-131	0.0903	20	
Ethylbenzene	52.5	1.00	"	50.0	ND	105	76-132	0.727	20	
m,p-Xylene	112	2.00	"	100	ND	112	69-139	0.143	20	
o-Xylene	52.4	1.00	"	50.0	ND	105	74-131	0.134	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



November 01, 2017

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. October 26, 2017. This project is associated with Origins project number Y710395-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y710395-01	Water	October 26, 2017 9:30	10/26/2017 15:15
MW02R	Y710395-02	Water	October 26, 2017 9:35	10/26/2017 15:15
MW10	Y710395-03	Water	October 26, 2017 9:45	10/26/2017 15:15
MW09R	Y710395-04	Water	October 26, 2017 9:40	10/26/2017 15:15

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

Y710395

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc. Project Manager: Brian Sulzberger
Project: KMG - Nishimoto George GU #1 Project Number: KMG05131/WO#88012000

Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01R	Water	10/26/17	0430	CT	40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
02-001	MW02R	Water		0935		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
03-001	MW10	Water		0945		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
04-001	MW09R	Water		0940		40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
05-001	AMW01T NOT Drilled	Water				40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C
06-001	MW06T NOT Drilled	Water				40mL Amber VOA Vial - HC	3	BTEX by EPA 8260C

Relinquished By: Chaz Date / Time: 10/26/17 15:5
Received By: [Signature] Date / Time: 10/26/17 15:5

Temperature on Receipt: 5.6 C
Turn Around Time: ☐ Same Day ☐ 72-hr ☒ Standard
☐ 24-hr ☐ 48-hr

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y710395

Client: LTE

Client Project ID: KMG - Nishimoto George GU -

Checklist Completed by: JAG

Shipped Via: HTD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/27/17 13:38

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: L 5.6 °C / °C / °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ^{(1)?}	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ^{(1)?}	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ^{(1)?} (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JAG

Date/Time Reviewed 10/27/17

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

10/26/2017 9:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y710395-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J3108	10/31/2017	10/31/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	2.07	1.00	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"
Surrogate: Toluene-d8	102 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	97.4 %	84-114			"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

10/26/2017 9:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y710395-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J3108	10/31/2017	10/31/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	84-121	"	"	"
Surrogate: Toluene-d8	99.9 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	97.4 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10

10/26/2017 9:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y710395-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J3108	10/31/2017	10/31/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121	"	"	"
Surrogate: Toluene-d8	97.2 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.9 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R

10/26/2017 9:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y710395-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B7J3108	10/31/2017	10/31/2017	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	97.1 %	84-121	"	"	"
Surrogate: Toluene-d8	98.5 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	98.2 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J3108 - EPA 5030B (Water)

Blank (B7J3108-BLK1)

Prepared: 10/31/2017 Analyzed: 10/31/2017

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.3	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.4	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J3108 - EPA 5030B (Water)

LCS (B7J3108-BS1)

Prepared: 10/31/2017 Analyzed: 10/31/2017

Benzene	48.6	1.00	ug/L	50.0		97.3	73.3-129
Toluene	50.3	1.00	"	50.0		101	76.2-123
Ethylbenzene	50.2	1.00	"	50.0		100	73.6-130
m,p-Xylene	99.2	2.00	"	100		99.2	76.1-126
o-Xylene	51.0	1.00	"	50.0		102	76.6-124
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.9	84-121
Surrogate: Toluene-d8	62		"	62.5		99.9	85-115
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J3108 - EPA 5030B (Water)

Matrix Spike (B7J3108-MS1)		Source: Y710384-02			Prepared: 10/31/2017 Analyzed: 10/31/2017					
Benzene	56.0	1.00	ug/L	50.0	ND	112	74-130			
Toluene	58.6	1.00	"	50.0	ND	117	73-131			
Ethylbenzene	59.5	1.00	"	50.0	ND	119	76-132			
m,p-Xylene	117	2.00	"	100	ND	117	69-139			
o-Xylene	59.8	1.00	"	50.0	ND	120	74-131			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		105	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.8	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B7J3108 - EPA 5030B (Water)

Matrix Spike Dup (B7J3108-MSD1)		Source: Y710384-02			Prepared: 10/31/2017 Analyzed: 10/31/2017					
Benzene	51.8	1.00	ug/L	50.0	ND	104	74-130	7.72	20	
Toluene	53.0	1.00	"	50.0	ND	106	73-131	10.0	20	
Ethylbenzene	54.5	1.00	"	50.0	ND	109	76-132	8.65	20	
m,p-Xylene	107	2.00	"	100	ND	107	69-139	9.03	20	
o-Xylene	54.2	1.00	"	50.0	ND	108	74-131	9.79	20	
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.8	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager



January 29, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 22, 2018. This project is associated with Origins project number Y801306-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y801306-01	Water	January 22, 2018 11:30	01/22/2018 15:45
MW02R	Y801306-02	Water	January 22, 2018 11:35	01/22/2018 15:45
MW10	Y801306-03	Water	January 22, 2018 11:40	01/22/2018 15:45
AMW01T	Y801306-04	Water	January 22, 2018 11:45	01/22/2018 15:45
MW06T	Y801306-05	Water	January 22, 2018 11:50	01/22/2018 15:45

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

1801306

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger						
Project: KMG - Nishimoto George GU #1		Project Number: KMG05131/WO#88012000						
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01R	Water	1-22-16	1130	JS	12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
02-001	MW02R	Water		1135		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
03-001	MW10	Water		1140		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
04-001	AMW01T	Water		1145		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
05-001	MW06T	Water		1150		12_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C

Relinquished By: *[Signature]* Date / Time: 1-22-18 / 1545

Received By: *[Signature]* Date / Time: 1-22-18 / 1545

Temperature on Receipt: 10.9°

Turn Around Time: ☐ 24-hr ☐ 48-hr ☒ 72-hr

Same Day: ☐ Standard: ☐

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 1601306

Client: LTE

Client Project ID: KMG-Nishimoto George GU #1

Checklist Completed by: JA

Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 1/23/18

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐ (Describe)

Cooler Number/Temperature: 1 / 10.9 °C 1 / 1 °C 1 / 1 °C 1 / 1 °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Sampled Same Day
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JP

1/23/18
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

1/22/2018 11:30:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y801306-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8A2303	01/23/2018	01/24/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121	"	"	"
Surrogate: Toluene-d8	99.5 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	95.0 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

1/22/2018 11:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y801306-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8A2303	01/23/2018	01/24/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121	"	"	"
Surrogate: Toluene-d8	101 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	96.5 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10

1/22/2018 11:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y801306-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8A2303	01/23/2018	01/24/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	94.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T

1/22/2018 11:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y801306-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8A2303	01/23/2018	01/24/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

106 % 84-121
99.9 % 85-115
96.4 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T

1/22/2018 11:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y801306-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8A2303	01/23/2018	01/24/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	84-121	"	"	"
Surrogate: Toluene-d8	98.4 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	93.6 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8A2303 - EPA 5030B (Water)

Blank (B8A2303-BLK1)

Prepared: 01/23/2018 Analyzed: 01/24/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	62		"	62.5	99.7		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.0		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8A2303 - EPA 5030B (Water)										
Blank (B8A2303-BLK2)					Prepared: 01/23/2018 Analyzed: 01/24/2018					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	106		84-121			
Surrogate: Toluene-d8	63		"	62.5	101		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.1		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8A2303 - EPA 5030B (Water)

LCS (B8A2303-BS1)

Prepared: 01/23/2018 Analyzed: 01/24/2018

Benzene	51.7	1.00	ug/L	50.0		103	73.3-129
Toluene	52.2	1.00	"	50.0		104	76.2-123
Ethylbenzene	54.4	1.00	"	50.0		109	73.6-130
m,p-Xylene	110	2.00	"	100		110	76.1-126
o-Xylene	55.5	1.00	"	50.0		111	76.6-124
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.0	84-121
Surrogate: Toluene-d8	63		"	62.5		101	85-115
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.1	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8A2303 - EPA 5030B (Water)

LCS (B8A2303-BS2)

Prepared: 01/23/2018 Analyzed: 01/24/2018

Benzene	48.9	1.00	ug/L	50.0		97.8	73.3-129
Toluene	48.8	1.00	"	50.0		97.5	76.2-123
Ethylbenzene	50.9	1.00	"	50.0		102	73.6-130
m,p-Xylene	103	2.00	"	100		103	76.1-126
o-Xylene	52.6	1.00	"	50.0		105	76.6-124
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121
Surrogate: Toluene-d8	63		"	62.5		101	85-115
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.4	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8A2303 - EPA 5030B (Water)

Matrix Spike (B8A2303-MS1)		Source: Y801294-01			Prepared: 01/23/2018 Analyzed: 01/24/2018					
Benzene	50.1	1.00	ug/L	50.0	ND	100	74-130			
Toluene	50.3	1.00	"	50.0	ND	101	73-131			
Ethylbenzene	52.9	1.00	"	50.0	ND	106	76-132			
m,p-Xylene	108	2.00	"	100	ND	108	69-139			
o-Xylene	55.6	1.00	"	50.0	ND	111	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.7	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8A2303 - EPA 5030B (Water)

Matrix Spike (B8A2303-MS2)		Source: Y801294-02			Prepared: 01/23/2018 Analyzed: 01/24/2018					
Benzene	57.7	1.00	ug/L	50.0	ND	115	74-130			
Toluene	58.0	1.00	"	50.0	ND	116	73-131			
Ethylbenzene	60.9	1.00	"	50.0	ND	122	76-132			
m,p-Xylene	124	2.00	"	100	ND	124	69-139			
o-Xylene	62.4	1.00	"	50.0	ND	125	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.2	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8A2303 - EPA 5030B (Water)

Matrix Spike Dup (B8A2303-MSD1)		Source: Y801294-01			Prepared: 01/23/2018 Analyzed: 01/24/2018					
Benzene	57.5	1.00	ug/L	50.0	ND	115	74-130	13.6	20	
Toluene	58.3	1.00	"	50.0	ND	117	73-131	14.7	20	
Ethylbenzene	61.0	1.00	"	50.0	ND	122	76-132	14.3	20	
m,p-Xylene	124	2.00	"	100	ND	124	69-139	13.8	20	
o-Xylene	62.9	1.00	"	50.0	ND	126	74-131	12.3	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.9	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8A2303 - EPA 5030B (Water)										
Matrix Spike Dup (B8A2303-MSD2)		Source: Y801294-02			Prepared: 01/23/2018 Analyzed: 01/24/2018					
Benzene	62.9	1.00	ug/L	50.0	ND	126	74-130	8.57	20	
Toluene	63.1	1.00	"	50.0	ND	126	73-131	8.41	20	
Ethylbenzene	65.1	1.00	"	50.0	ND	130	76-132	6.65	20	
m,p-Xylene	133	2.00	"	100	ND	133	69-139	7.55	20	
o-Xylene	68.8	1.00	"	50.0	ND	138	74-131	9.75	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.8	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



March 14, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George

Project Number - KMG05131

Attached are your analytical results for KMG - Nishimoto George received by Origins Laboratory, Inc. March 07, 2018. This project is associated with Origins project number Y803135-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW09R2	Y803135-01	Water	March 7, 2018 11:00	03/07/2018 15:16

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

ORIGINS

LABORATORY, INC

www.originslaboratory.com

Y03135

page 1 of 1

Client: LT Environmental, Inc.
 Address: 4600 W 60th Ave
Arvada, CO 80003
 Telephone Number: 303 433 9788
 Email Address: jsalzberg@ltenv.com

Project Manager: Brian Salzberg
 Project Name: Nishimoto George
 Project Number: KMT 05131
 Samples Collected By: Daniel Thomas

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
MW09R2	3-7-18	1100	3	X				X			X OTHER	1
												2
												3
												4
												5
												6
												7
												8
												9
												10
Relinquished By: <u>[Signature]</u>	Date: <u>3-7-18</u>	Time: <u>1516</u>	Received By: <u>[Signature]</u>	Date: <u>3-7-18</u>	Time: <u>1516</u>	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>						
Relinquished By: <u>[Signature]</u>	Date: <u></u>	Time: <u></u>	Received By: <u></u>	Date: <u></u>	Time: <u></u>							

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Temp Received: 145

Date Results Needed

Origins Laboratory, Inc.

Jeff Pellipini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y903135

Client: LTE

Client Project ID: KMG - Nishimoto George

Checklist Completed by: JEP

Shipped Via: FD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3/8/12

Airbill #: 874

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: (Describe)

Cooler Number/Temperature: 1 / 14.5 °C 1 / 1 °C 1 / 1 °C 1 / 1 °C

Thermometer ID: 7003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<u>Sampled same day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JEP

3/9/12
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

MW09R2
3/7/2018 11:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y803135-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8C1201	03/12/2018	03/12/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	101 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.5 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8C1201 - EPA 5030B (Water)

Blank (B8C1201-BLK1)

Prepared: 03/12/2018 Analyzed: 03/12/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5	100		84-121			
Surrogate: Toluene-d8	64		"	62.5	102		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.0		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8C1201 - EPA 5030B (Water)										
LCS (B8C1201-BS1)					Prepared: 03/12/2018 Analyzed: 03/12/2018					
Benzene	44.3	1.00	ug/L	50.0		88.6	73.3-129			
Toluene	44.8	1.00	"	50.0		89.5	76.2-123			
Ethylbenzene	46.3	1.00	"	50.0		92.6	73.6-130			
m,p-Xylene	90.9	2.00	"	100		90.9	76.1-126			
o-Xylene	45.6	1.00	"	50.0		91.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.3	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.1	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8C1201 - EPA 5030B (Water)

Matrix Spike (B8C1201-MS1)		Source: Y803118-01			Prepared: 03/12/2018 Analyzed: 03/12/2018					
Benzene	46.6	1.00	ug/L	50.0	ND	93.2	74-130			
Toluene	46.6	1.00	"	50.0	ND	93.2	73-131			
Ethylbenzene	48.6	1.00	"	50.0	ND	97.1	76-132			
m,p-Xylene	95.4	2.00	"	100	ND	95.4	69-139			
o-Xylene	47.8	1.00	"	50.0	ND	95.5	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		93.7	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.1	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8C1201 - EPA 5030B (Water)

Matrix Spike Dup (B8C1201-MSD1)		Source: Y803118-01			Prepared: 03/12/2018 Analyzed: 03/12/2018					
Benzene	50.6	1.00	ug/L	50.0	ND	101	74-130	8.27	20	
Toluene	50.2	1.00	"	50.0	ND	100	73-131	7.49	20	
Ethylbenzene	52.2	1.00	"	50.0	ND	104	76-132	7.17	20	
m,p-Xylene	102	2.00	"	100	ND	102	69-139	7.08	20	
o-Xylene	51.3	1.00	"	50.0	ND	103	74-131	7.13	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131
Project: KMG - Nishimoto George

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



April 09, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. April 02, 2018. This project is associated with Origins project number Y804026-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y804026-01	Water	April 2, 2018 12:15	04/02/2018 15:50
MW02R	Y804026-02	Water	April 2, 2018 12:20	04/02/2018 15:50
MW09R2	Y804026-03	Water	April 2, 2018 12:25	04/02/2018 15:50
MW10	Y804026-04	Water	April 2, 2018 12:30	04/02/2018 15:50
AMW01T	Y804026-05	Water	April 2, 2018 12:35	04/02/2018 15:50
MW06T	Y804026-06	Water	April 2, 2018 12:40	04/02/2018 15:50

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

Y804026

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger						
Project: KMG - Nishimoto George GU #1		Project Number: KMG05131/WO#88012000						
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Container	Qty	Analyses
01-001	MW01R	Water	4-2-18	1215	DH	02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
02-001	MW02R	Water		1220		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
03-001	MW09R2	Water		1225		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
04-001	MW10	Water		1230		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
05-001	AMW01T	Water		1235		02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C
06-001	MW06T	Water		1240	✓	02_40mL Amber VOA Vial - HCL	3	BTEX by EPA 8260C

Relinquished By: [Signature] Date / Time: 4/2/18 15:50

Received By: [Signature] Date / Time: 4/2/18 15:50

Temperature on Receipt: 5.6

Turn Around Time: ☐ 72-hr ☒ Standard ☐ 48-hr

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 7804026

Client: LTE

Client Project ID: KMG - Nishimoto George GU #1

Checklist Completed by: SG

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 4/3/18

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 5.6 °C 1 °C 1 °C 1 °C (Describe)

Thermometer ID: T03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 4/3/18

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

4/2/2018 12:15:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y804026-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8D0603	04/06/2018	04/06/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.7 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

4/2/2018 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y804026-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8D0603	04/06/2018	04/06/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

102 % 84-121
98.7 % 85-115
101 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R2

4/2/2018 12:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y804026-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8D0603	04/06/2018	04/07/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121	"	"	"
Surrogate: Toluene-d8	99.1 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10
4/2/2018 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y804026-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8D0603	04/06/2018	04/07/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	103 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T

4/2/2018 12:35:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y804026-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8D0603	04/06/2018	04/07/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.8 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	102 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T
4/2/2018 12:40:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y804026-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8D0603	04/06/2018	04/07/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	84-121	"	"	"
Surrogate: Toluene-d8	99.2 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

Blank (B8D0603-BLK1)

Prepared: 04/06/2018 Analyzed: 04/06/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	103		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	97.3		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

Blank (B8D0603-BLK2)

Prepared: 04/06/2018 Analyzed: 04/06/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5	98.7		84-121			
Surrogate: Toluene-d8	65		"	62.5	103		85-115			
Surrogate: 4-Bromofluorobenzene	60		"	62.5	96.1		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

LCS (B8D0603-BS1)

Prepared: 04/06/2018 Analyzed: 04/06/2018

Benzene	41.2	1.00	ug/L	50.0		82.4	73.3-129
Toluene	43.6	1.00	"	50.0		87.3	76.2-123
Ethylbenzene	44.0	1.00	"	50.0		87.9	73.6-130
m,p-Xylene	87.7	2.00	"	100		87.7	76.1-126
o-Xylene	44.5	1.00	"	50.0		89.0	76.6-124
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.5	84-121
Surrogate: Toluene-d8	66		"	62.5		105	85-115
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.2	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

LCS (B8D0603-BS2)

Prepared: 04/06/2018 Analyzed: 04/06/2018

Benzene	43.3	1.00	ug/L	50.0		86.7	73.3-129
Toluene	42.3	1.00	"	50.0		84.6	76.2-123
Ethylbenzene	43.5	1.00	"	50.0		87.0	73.6-130
m,p-Xylene	85.9	2.00	"	100		85.9	76.1-126
o-Xylene	44.2	1.00	"	50.0		88.4	76.6-124
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		92.9	84-121
Surrogate: Toluene-d8	63		"	62.5		100	85-115
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

Matrix Spike (B8D0603-MS1)		Source: Y804026-01			Prepared: 04/06/2018 Analyzed: 04/06/2018					
Benzene	48.5	1.00	ug/L	50.0	ND	97.0	74-130			
Toluene	50.0	1.00	"	50.0	ND	100	73-131			
Ethylbenzene	51.3	1.00	"	50.0	0.110	102	76-132			
m,p-Xylene	99.7	2.00	"	100	0.310	99.4	69-139			
o-Xylene	50.0	1.00	"	50.0	0.100	99.9	74-131			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.7	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.8	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

Matrix Spike (B8D0603-MS2)		Source: Y804026-02			Prepared: 04/06/2018 Analyzed: 04/06/2018					
Benzene	51.6	1.00	ug/L	50.0	ND	103	74-130			
Toluene	53.2	1.00	"	50.0	ND	106	73-131			
Ethylbenzene	54.3	1.00	"	50.0	ND	109	76-132			
m,p-Xylene	106	2.00	"	100	ND	106	69-139			
o-Xylene	53.0	1.00	"	50.0	ND	106	74-131			
Surrogate: 1,2-Dichloroethane-d4	58		"	62.5		93.1	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

Matrix Spike Dup (B8D0603-MSD1)		Source: Y804026-01			Prepared: 04/06/2018 Analyzed: 04/09/2018					
Benzene	45.6	1.00	ug/L	50.0	ND	91.3	74-130	6.10	20	
Toluene	46.9	1.00	"	50.0	ND	93.8	73-131	6.50	20	
Ethylbenzene	48.1	1.00	"	50.0	0.110	95.9	76-132	6.52	20	
m,p-Xylene	93.2	2.00	"	100	0.310	92.9	69-139	6.76	20	
o-Xylene	47.6	1.00	"	50.0	0.100	95.1	74-131	4.89	20	
Surrogate: 1,2-Dichloroethane-d4	57		"	62.5		91.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8D0603 - EPA 5030B (Water)

Matrix Spike Dup (B8D0603-MSD2)		Source: Y804026-02			Prepared: 04/06/2018 Analyzed: 04/06/2018					
Benzene	50.8	1.00	ug/L	50.0	ND	102	74-130	1.48	20	
Toluene	51.8	1.00	"	50.0	ND	104	73-131	2.67	20	
Ethylbenzene	52.9	1.00	"	50.0	ND	106	76-132	2.57	20	
m,p-Xylene	102	2.00	"	100	ND	102	69-139	3.42	20	
o-Xylene	51.6	1.00	"	50.0	ND	103	74-131	2.79	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		94.8	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.8	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



July 12, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. July 10, 2018. This project is associated with Origins project number Y807122-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y807122-01	Water	July 10, 2018 10:40	07/10/2018 16:55
MW02R	Y807122-02	Water	July 10, 2018 10:45	07/10/2018 16:55
MW09R2	Y807122-03	Water	July 10, 2018 10:50	07/10/2018 16:55
MW10	Y807122-04	Water	July 10, 2018 10:55	07/10/2018 16:55

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

1407122

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger		Project Number: KMG05131/WO#88012000		Analyses	
Project: KMG - Nishimoto George GU #1		Sample Date		Sample Time		Container	
Number	Sample Identification	Matrix	Sample Date	Sample Time	Sampled By	Qty	Analyses
01-001	MM01R	Water	7/10/18	1040	65	3	BTEX by EPA 8260C
02-001	MM02R	Water		1045		3	BTEX by EPA 8260C
03-001	MM03R2	Water		1050		3	BTEX by EPA 8260C
04-001	MM04	Water		1055		3	BTEX by EPA 8260C
05-001	MM05T	Water	NS	NS	NS	3	BTEX by EPA 8260C
06-001	MM06T	Water	NS	NS	NS	3	BTEX by EPA 8260C

Relinquished By:  7/10/18

Date / Time

Date / Time

Temperature on Receipt: 64

Turn Around Time:

Same Day: ☐ 72-hr: ☒
24-hr: ☐ Standard: ☐
48-hr: ☐

Relinquished By:  7/10/18 1655

Date / Time

Date / Time

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 14807122

Client: LTE

Client Project ID: KMG - Nishimoto George GU #

Checklist Completed by: JG

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 7/11/2018

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐ (Describe)

Cooler Number/Temperature: 1 / 6.4 °C / °C / °C / °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>Same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) / (pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 7/11/18

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

7/10/2018 10:40:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y807122-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8G1102	07/11/2018	07/12/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121	"	"	"
Surrogate: Toluene-d8	99.7 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	98.8 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

7/10/2018 10:45:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y807122-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8G1102	07/11/2018	07/12/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121			"	"	"	
Surrogate: Toluene-d8	98.1 %	85-115			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.0 %	84-114			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R2

7/10/2018 10:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y807122-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8G1102	07/11/2018	07/12/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4
Surrogate: Toluene-d8
Surrogate: 4-Bromofluorobenzene

101 % 84-121
99.3 % 85-115
98.1 % 84-114

" " "
" " "
" " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10

7/10/2018 10:55:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc. Y807122-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8G1102	07/11/2018	07/12/2018	U
Toluene	ND	1.00	"	"	"	"	"	U
Ethylbenzene	ND	1.00	"	"	"	"	"	U
Xylenes, total	ND	1.00	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	100 %	84-121			"	"	"
Surrogate: Toluene-d8	98.6 %	85-115			"	"	"
Surrogate: 4-Bromofluorobenzene	96.8 %	84-114			"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

Blank (B8G1102-BLK1)

Prepared: 07/11/2018 Analyzed: 07/12/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	62		"	62.5	99.7		85-115			
Surrogate: 4-Bromofluorobenzene	61		"	62.5	98.1		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

Blank (B8G1102-BLK2)

Prepared: 07/11/2018 Analyzed: 07/12/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	64		"	62.5	102		84-121			
Surrogate: Toluene-d8	62		"	62.5	99.3		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	98.4		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

LCS (B8G1102-BS1)

Prepared: 07/11/2018 Analyzed: 07/12/2018

Benzene	47.8	1.00	ug/L	50.0		95.6	73.3-129
Toluene	46.1	1.00	"	50.0		92.2	76.2-123
Ethylbenzene	46.8	1.00	"	50.0		93.5	73.6-130
m,p-Xylene	92.3	2.00	"	100		92.3	76.1-126
o-Xylene	48.8	1.00	"	50.0		97.5	76.6-124
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.6	84-121
Surrogate: Toluene-d8	63		"	62.5		100	85-115
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.3	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8G1102 - EPA 5030B (Water)										
LCS (B8G1102-BS2)					Prepared: 07/11/2018 Analyzed: 07/12/2018					
Benzene	46.8	1.00	ug/L	50.0		93.5	73.3-129			
Toluene	44.9	1.00	"	50.0		89.8	76.2-123			
Ethylbenzene	45.3	1.00	"	50.0		90.6	73.6-130			
m,p-Xylene	89.3	2.00	"	100		89.3	76.1-126			
o-Xylene	48.0	1.00	"	50.0		96.0	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.0	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.7	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

Matrix Spike (B8G1102-MS1)		Source: Y807122-01			Prepared: 07/11/2018 Analyzed: 07/12/2018					
Benzene	46.1	1.00	ug/L	50.0	0.220	91.7	74-130			
Toluene	44.8	1.00	"	50.0	ND	89.5	73-131			
Ethylbenzene	44.5	1.00	"	50.0	0.200	88.6	76-132			
m,p-Xylene	88.8	2.00	"	100	0.350	88.5	69-139			
o-Xylene	47.5	1.00	"	50.0	ND	95.0	74-131			
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

Matrix Spike (B8G1102-MS2)		Source: Y807122-02			Prepared: 07/11/2018 Analyzed: 07/12/2018					
Benzene	39.5	1.00	ug/L	50.0	ND	78.9	74-130			
Toluene	38.7	1.00	"	50.0	ND	77.4	73-131			
Ethylbenzene	40.0	1.00	"	50.0	ND	79.9	76-132			
m,p-Xylene	78.4	2.00	"	100	ND	78.4	69-139			
o-Xylene	40.6	1.00	"	50.0	ND	81.2	74-131			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

Matrix Spike Dup (B8G1102-MSD1)		Source: Y807122-01			Prepared: 07/11/2018 Analyzed: 07/12/2018					
Benzene	45.2	1.00	ug/L	50.0	0.220	90.0	74-130	1.88	20	
Toluene	43.3	1.00	"	50.0	ND	86.6	73-131	3.34	20	
Ethylbenzene	41.4	1.00	"	50.0	0.200	82.3	76-132	7.27	20	
m,p-Xylene	85.8	2.00	"	100	0.350	85.5	69-139	3.41	20	
o-Xylene	45.5	1.00	"	50.0	ND	91.1	74-131	4.21	20	
Surrogate: 1,2-Dichloroethane-d4	59		"	62.5		95.0	84-121			
Surrogate: Toluene-d8	63		"	62.5		100	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8G1102 - EPA 5030B (Water)

Matrix Spike Dup (B8G1102-MSD2)		Source: Y807122-02			Prepared: 07/11/2018 Analyzed: 07/12/2018					
Benzene	49.0	1.00	ug/L	50.0	ND	98.1	74-130	21.6	20	QR-02
Toluene	47.5	1.00	"	50.0	ND	94.9	73-131	20.3	20	QR-02
Ethylbenzene	49.8	1.00	"	50.0	ND	99.6	76-132	21.9	20	QR-02
m,p-Xylene	97.2	2.00	"	100	ND	97.2	69-139	21.4	20	QR-02
o-Xylene	49.5	1.00	"	50.0	ND	98.9	74-131	19.7	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.7	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.2	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



October 18, 2018

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. October 16, 2018. This project is associated with Origins project number Y810248-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y810248-01	Water	October 16, 2018 13:55	10/16/2018 16:30
MW02R	Y810248-02	Water	October 16, 2018 14:02	10/16/2018 16:30
MW09R2	Y810248-03	Water	October 16, 2018 14:07	10/16/2018 16:30
MW10	Y810248-04	Water	October 16, 2018 14:14	10/16/2018 16:30
AMW01T	Y810248-05	Water	October 16, 2018 13:45	10/16/2018 16:30
MW06T	Y810248-06	Water	October 16, 2018 13:30	10/16/2018 16:30

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003


Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

ORIGINS
LABORATORY, INC

1810244

1725 Elk Place, Denver, CO 80211
Laboratory # - 303.433.1322

Client: LT Environmental, Inc.		Project Manager: Brian Sulzberger		Project Number: KMG05131/WO#88012000	
Project: KMG - Nishimoto George GU #1		Sample Date		Sampled By	
Number	Sample Identification	Matrix	Sample Date	Sample Time	Container
01-001	MW01R	Water	10-16-18	1355	12_40mL Amber VOA Vial - HCL
02-001	MW02R	Water		1402	12_40mL Amber VOA Vial - HCL
03-001	MW09R2	Water		1407	12_40mL Amber VOA Vial - HCL
04-001	MW10	Water		1414	12_40mL Amber VOA Vial - HCL
05-001	AMW01T	Water		1345	12_40mL Amber VOA Vial - HCL
06-001	MW06T	Water		1330	12_40mL Amber VOA Vial - HCL
					Analyses
					3 BTEX by EPA 8260C
					3 BTEX by EPA 8260C
					3 BTEX by EPA 8260C
					3 BTEX by EPA 8260C
					3 BTEX by EPA 8260C
					3 BTEX by EPA 8260C

Relinquished By:  Date / Time: 10-16-18

Received By:  Date / Time: 10-16-18

Temperature on Receipt: 5.8

Turn Around Time: ☐ Same Day, ☐ 72-hr, ☒ Standard

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y610248

Client: LTE

Client Project ID: KMG - Nishimoto George GU #1

Checklist Completed by: JG

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/17/2018

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

Cooler Number/Temperature: 1 / 58 °C 1 / 1 °C 1 / 1 °C 1 / 1 °C (Describe)

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JG

Date/Time Reviewed 10/18/18

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

10/16/2018 1:55:00PM

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.
Y810248-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8J1701	KDK	10/17/2018	10/18/2018	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121	"	"	"
Surrogate: Toluene-d8	98.7 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.2 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

10/16/2018 2:02:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y810248-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8J1701	KDK	10/17/2018	10/18/2018	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	84-121	"	"	"
Surrogate: Toluene-d8	99.1 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R2

10/16/2018 2:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y810248-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8J1701	KDK	10/17/2018	10/18/2018	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121	"	"	"
Surrogate: Toluene-d8	97.9 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10

10/16/2018 2:14:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y810248-04 (Water)

BTEX by EPA 8260C

Benzene	ND	4.00	ug/L	4	B8J1701	KDK	10/17/2018	10/18/2018	U
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	4.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	4.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121	"	"	"
Surrogate: Toluene-d8	99.8 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	101 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T

10/16/2018 1:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y810248-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8J1701	KDK	10/17/2018	10/18/2018	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	7.50	1.00	"	"	"	KDK	"	"	
Xylenes, total	9.43	1.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	105 %	84-121	"	"	"
Surrogate: Toluene-d8	102 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T

10/16/2018 1:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y810248-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B8J1702	KDK	10/17/2018	10/18/2018	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	5.64	1.00	"	"	"	KDK	"	"	
Xylenes, total	17.8	1.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121	"	"	"
Surrogate: Toluene-d8	100 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.3 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8J1701 - EPA 5030B (Water)										
Blank (B8J1701-BLK1)					Prepared: 10/17/2018 Analyzed: 10/17/2018					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	61		"	62.5	97.9		85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.5		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8J1701 - EPA 5030B (Water)										
LCS (B8J1701-BS1)					Prepared: 10/17/2018 Analyzed: 10/17/2018					
Benzene	53.7	1.00	ug/L	50.0		107	73.3-129			
Toluene	53.0	1.00	"	50.0		106	76.2-123			
Ethylbenzene	53.0	1.00	"	50.0		106	73.6-130			
m,p-Xylene	103	2.00	"	100		103	76.1-126			
o-Xylene	49.9	1.00	"	50.0		99.9	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		97.6	84-121			
Surrogate: Toluene-d8	64		"	62.5		102	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1701 - EPA 5030B (Water)

Matrix Spike (B8J1701-MS1)		Source: Y810247-01			Prepared: 10/17/2018 Analyzed: 10/17/2018					
Benzene	47.8	1.00	ug/L	50.0	ND	95.6	74-130			
Toluene	46.8	1.00	"	50.0	ND	93.6	73-131			
Ethylbenzene	46.8	1.00	"	50.0	ND	93.6	76-132			
m,p-Xylene	93.4	2.00	"	100	0.180	93.2	69-139			
o-Xylene	47.9	1.00	"	50.0	ND	95.8	74-131			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		102	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1701 - EPA 5030B (Water)

Matrix Spike Dup (B8J1701-MSD1)		Source: Y810247-01			Prepared: 10/17/2018 Analyzed: 10/17/2018					
Benzene	47.4	1.00	ug/L	50.0	ND	94.8	74-130	0.798	20	
Toluene	46.2	1.00	"	50.0	ND	92.3	73-131	1.36	20	
Ethylbenzene	46.2	1.00	"	50.0	ND	92.3	76-132	1.33	20	
m,p-Xylene	92.5	2.00	"	100	0.180	92.3	69-139	0.957	20	
o-Xylene	47.6	1.00	"	50.0	ND	95.3	74-131	0.586	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.1	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.8	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

Blank (B8J1702-BLK1)

Prepared: 10/17/2018 Analyzed: 10/18/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	66		"	62.5	105		84-121			
Surrogate: Toluene-d8	63		"	62.5	100		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

Blank (B8J1702-BLK2)

Prepared: 10/17/2018 Analyzed: 10/18/2018

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5	104		84-121			
Surrogate: Toluene-d8	62		"	62.5	99.2		85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

LCS (B8J1702-BS1)

Prepared: 10/17/2018 Analyzed: 10/18/2018

Benzene	50.2	1.00	ug/L	50.0	100	73.3-129
Toluene	48.2	1.00	"	50.0	96.5	76.2-123
Ethylbenzene	47.9	1.00	"	50.0	95.9	73.6-130
m,p-Xylene	95.9	2.00	"	100	95.9	76.1-126
o-Xylene	50.0	1.00	"	50.0	100	76.6-124
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5	101	84-121
Surrogate: Toluene-d8	63		"	62.5	100	85-115
Surrogate: 4-Bromofluorobenzene	63		"	62.5	100	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

LCS (B8J1702-BS2)

Prepared: 10/17/2018 Analyzed: 10/18/2018

Benzene	49.8	1.00	ug/L	50.0		99.5	73.3-129			
Toluene	49.3	1.00	"	50.0		98.6	76.2-123			
Ethylbenzene	48.8	1.00	"	50.0		97.7	73.6-130			
m,p-Xylene	96.4	2.00	"	100		96.4	76.1-126			
o-Xylene	50.9	1.00	"	50.0		102	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		96.2	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

Matrix Spike (B8J1702-MS1)		Source: Y810252-01			Prepared: 10/17/2018 Analyzed: 10/18/2018					
Benzene	45.2	1.00	ug/L	50.0	0.460	89.4	74-130			
Toluene	45.0	1.00	"	50.0	ND	90.1	73-131			
Ethylbenzene	45.8	1.00	"	50.0	0.510	90.5	76-132			
m,p-Xylene	89.8	2.00	"	100	0.670	89.2	69-139			
o-Xylene	45.8	1.00	"	50.0	0.190	91.2	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.3	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

Matrix Spike (B8J1702-MS2)		Source: Y810252-02			Prepared: 10/17/2018 Analyzed: 10/18/2018					
Benzene	44.1	1.00	ug/L	50.0	ND	88.2	74-130			
Toluene	44.0	1.00	"	50.0	ND	87.9	73-131			
Ethylbenzene	44.1	1.00	"	50.0	ND	88.3	76-132			
m,p-Xylene	87.6	2.00	"	100	0.250	87.3	69-139			
o-Xylene	45.0	1.00	"	50.0	ND	89.9	74-131			
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		96.9	84-121			
Surrogate: Toluene-d8	63		"	62.5		101	85-115			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		102	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

Matrix Spike Dup (B8J1702-MSD1)		Source: Y810252-01			Prepared: 10/17/2018 Analyzed: 10/18/2018					
Benzene	49.9	1.00	ug/L	50.0	0.460	98.8	74-130	9.87	20	
Toluene	48.1	1.00	"	50.0	ND	96.2	73-131	6.55	20	
Ethylbenzene	48.3	1.00	"	50.0	0.510	95.6	76-132	5.42	20	
m,p-Xylene	94.3	2.00	"	100	0.670	93.6	69-139	4.89	20	
o-Xylene	49.1	1.00	"	50.0	0.190	97.9	74-131	7.00	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.6	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.4	85-115			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B8J1702 - EPA 5030B (Water)

Matrix Spike Dup (B8J1702-MSD2)		Source: Y810252-02			Prepared: 10/17/2018 Analyzed: 10/18/2018					
Benzene	52.0	1.00	ug/L	50.0	ND	104	74-130	16.5	20	
Toluene	52.3	1.00	"	50.0	ND	105	73-131	17.3	20	
Ethylbenzene	52.1	1.00	"	50.0	ND	104	76-132	16.6	20	
m,p-Xylene	104	2.00	"	100	0.250	103	69-139	16.7	20	
o-Xylene	53.3	1.00	"	50.0	ND	107	74-131	17.0	20	
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5		95.7	84-121			
Surrogate: Toluene-d8	64		"	62.5		103	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.9	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



January 15, 2019

LT Environmental, Inc.

Brian Sulzberger

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Nishimoto George GU #1

Project Number - KMG05131/WO#880120

Attached are your analytical results for KMG - Nishimoto George GU #1 received by Origins Laboratory, Inc. January 08, 2019. This project is associated with Origins project number Y901107-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01R	Y901107-01	Water	January 8, 2019 12:00	01/08/2019 14:53
MW02R	Y901107-02	Water	January 8, 2019 12:07	01/08/2019 14:53
MW09R2	Y901107-03	Water	January 8, 2019 12:16	01/08/2019 14:53
MW10	Y901107-04	Water	January 8, 2019 12:20	01/08/2019 14:53
AMW01T	Y901107-05	Water	January 8, 2019 12:24	01/08/2019 14:53
MW06T	Y901107-06	Water	January 8, 2019 12:29	01/08/2019 14:53

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y901107

Client: LTE

Client Project ID: KMG Nishimoto George GU #

Checklist Completed by: JG

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 1 / 9 / 2019

Airbill #: N/A

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐

(Describe)

Cooler Number/Temperature: 1 14.2 °C / °C / °C / °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>Same Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JG

Date/Time Reviewed 1/10/19

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW01R

1/8/2019 12:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y901107-01 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B9A1005	KDK	01/10/2019	01/11/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	84-121	"	"	"
Surrogate: Toluene-d8	101 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	98.4 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW02R

1/8/2019 12:07:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y901107-02 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B9A1005	KDK	01/10/2019	01/11/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	97.9 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.1 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW09R2

1/8/2019 12:16:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc.
Y901107-03 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B9A1005	KDK	01/10/2019	01/11/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	98.3 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW10

1/8/2019 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y901107-04 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B9A1005	KDK	01/10/2019	01/11/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	98.8 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.1 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

AMW01T

1/8/2019 12:24:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y901107-05 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B9A1005	KDK	01/10/2019	01/11/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	104 %	84-121	"	"	"
Surrogate: Toluene-d8	97.0 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	97.8 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

MW06T

1/8/2019 12:29:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

Origins Laboratory, Inc. Y901107-06 (Water)

BTEX by EPA 8260C

Benzene	ND	1.00	ug/L	1	B9A1005	KDK	01/10/2019	01/11/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	84-121	"	"	"
Surrogate: Toluene-d8	98.4 %	85-115	"	"	"
Surrogate: 4-Bromofluorobenzene	99.7 %	84-114	"	"	"

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9A1005 - EPA 5030B (Water)										
Blank (B9A1005-BLK1)					Prepared: 01/10/2019 Analyzed: 01/10/2019					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.5	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.5	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9A1005 - EPA 5030B (Water)										
Blank (B9A1005-BLK2)					Prepared: 01/10/2019 Analyzed: 01/10/2019					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.7	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.9	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9A1005 - EPA 5030B (Water)

LCS (B9A1005-BS1)

Prepared: 01/10/2019 Analyzed: 01/10/2019

Benzene	54.8	1.00	ug/L	50.0	110	73.3-129
Toluene	49.7	1.00	"	50.0	99.5	76.2-123
Ethylbenzene	51.3	1.00	"	50.0	103	73.6-130
m,p-Xylene	90.7	2.00	"	100	90.7	76.1-126
o-Xylene	47.4	1.00	"	50.0	94.9	76.6-124
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5	97.7	84-121
Surrogate: Toluene-d8	62		"	62.5	99.7	85-115
Surrogate: 4-Bromofluorobenzene	63		"	62.5	100	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9A1005 - EPA 5030B (Water)

LCS (B9A1005-BS2)

Prepared: 01/10/2019 Analyzed: 01/10/2019

Benzene	58.8	1.00	ug/L	50.0	118	73.3-129
Toluene	53.2	1.00	"	50.0	106	76.2-123
Ethylbenzene	55.3	1.00	"	50.0	111	73.6-130
m,p-Xylene	99.4	2.00	"	100	99.4	76.1-126
o-Xylene	53.6	1.00	"	50.0	107	76.6-124
Surrogate: 1,2-Dichloroethane-d4	60		"	62.5	96.1	84-121
Surrogate: Toluene-d8	62		"	62.5	100	85-115
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101	84-114

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9A1005 - EPA 5030B (Water)

Matrix Spike (B9A1005-MS1)		Source: Y901092-01			Prepared: 01/10/2019 Analyzed: 01/10/2019					
Benzene	52.4	1.00	ug/L	50.0	ND	105	74-130			
Toluene	55.2	1.00	"	50.0	ND	110	73-131			
Ethylbenzene	55.9	1.00	"	50.0	ND	112	76-132			
m,p-Xylene	103	2.00	"	100	ND	103	69-139			
o-Xylene	53.4	1.00	"	50.0	ND	107	74-131			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.4	84-121			
Surrogate: Toluene-d8	61		"	62.5		98.3	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9A1005 - EPA 5030B (Water)

Matrix Spike (B9A1005-MS2)		Source: Y901092-02			Prepared: 01/10/2019 Analyzed: 01/10/2019					
Benzene	53.8	1.00	ug/L	50.0	ND	108	74-130			
Toluene	56.4	1.00	"	50.0	ND	113	73-131			
Ethylbenzene	57.7	1.00	"	50.0	ND	115	76-132			
m,p-Xylene	105	2.00	"	100	ND	105	69-139			
o-Xylene	55.7	1.00	"	50.0	ND	111	74-131			
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		99.4	84-121			
Surrogate: Toluene-d8	62		"	62.5		98.6	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B9A1005 - EPA 5030B (Water)

Matrix Spike Dup (B9A1005-MSD1)		Source: Y901092-01			Prepared: 01/10/2019 Analyzed: 01/10/2019					
Benzene	52.2	1.00	ug/L	50.0	ND	104	74-130	0.248	20	
Toluene	54.8	1.00	"	50.0	ND	110	73-131	0.728	20	
Ethylbenzene	55.7	1.00	"	50.0	ND	111	76-132	0.502	20	
m,p-Xylene	101	2.00	"	100	ND	101	69-139	1.41	20	
o-Xylene	53.6	1.00	"	50.0	ND	107	74-131	0.206	20	
Surrogate: 1,2-Dichloroethane-d4	61		"	62.5		98.2	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.1	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.7	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9A1005 - EPA 5030B (Water)										
Matrix Spike Dup (B9A1005-MSD2)	Source: Y901092-02				Prepared: 01/10/2019 Analyzed: 01/10/2019					
Benzene	65.9	1.00	ug/L	50.0	ND	132	74-130	20.3	20	QM-07, QR-01
Toluene	59.2	1.00	"	50.0	ND	118	73-131	4.91	20	
Ethylbenzene	61.8	1.00	"	50.0	ND	124	76-132	6.98	20	
m,p-Xylene	112	2.00	"	100	ND	112	69-139	6.30	20	
o-Xylene	58.9	1.00	"	50.0	ND	118	74-131	5.48	20	
Surrogate: 1,2-Dichloroethane-d4	62		"	62.5		98.9	84-121			
Surrogate: Toluene-d8	62		"	62.5		99.0	85-115			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.2	84-114			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Brian Sulzberger
Project Number: KMG05131/WO#88012000
Project: KMG - Nishimoto George GU #1

Notes and Definitions

U Sample is Non-Detect.

QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.