

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064622.D
 Acq On : 27 Dec 2019 03:29
 Operator : VA/SY
 Sample : K6439-02MS
 Misc : 4.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

Quant Time: Dec 27 05:04:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	6045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	8355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	7829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	3453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	3933	73.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.56%	
35) Dibromofluoromethane	7.92	113	3044	59.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.76%	
50) Toluene-d8	10.34	98	10640	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
62) 4-Bromofluorobenzene	12.64	95	3432	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	371	7.897	ug/l #	43
3) Chloromethane	2.21	50	856	13.029	ug/l #	79
4) Vinyl Chloride	2.34	62	316	3.945	ug/l #	41
6) Chloroethane	2.93	64	399	7.433	ug/l #	42
7) Trichlorofluoromethane	3.28	101	780	5.783	ug/l #	17
8) Diethyl Ether	3.70	74	630	23.520	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.08	101	64	1.146	ug/l #	16
11) Tert butyl alcohol	5.25	59	55	18.004	ug/l #	70
12) 1,1-Dichloroethene	4.07	96	532	10.003	ug/l #	16
13) Acrolein	3.91	56	388	91.135	ug/l #	14
14) Allyl chloride	4.70	41	142	1.713	ug/l #	19
15) Acrylonitrile	5.43	53	1833	164.292	ug/l #	37
16) Acetone	4.15	43	1469	125.466	ug/l	98
17) Carbon Disulfide	4.41	76	1470	8.548	ug/l #	75
18) Methyl Acetate	4.71	43	1561	52.017	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	1738	14.713	ug/l #	52
20) Methylene Chloride	4.97	84	869	12.251	ug/l #	56
21) trans-1,2-Dichloroethene	5.47	96	642	10.600	ug/l #	43
22) Diisopropyl ether	6.36	45	3184	19.252	ug/l #	70
24) 1,1-Dichloroethane	6.27	63	1026	10.334	ug/l #	80
25) 2-Butanone	7.21	43	2204	150.423	ug/l #	82
27) cis-1,2-Dichloroethene	7.20	96	485	7.420	ug/l	70
28) Bromochloromethane	7.54	49	957	24.795	ug/l #	92
29) Tetrahydrofuran	7.58	42	1620	177.793	ug/l #	90
30) Chloroform	7.72	83	1648	15.820	ug/l #	17
31) Cyclohexane	7.98	56	829	8.341	ug/l #	47
32) 1,1,1-Trichloroethane	7.92	97	725	7.410	ug/l #	62
36) 1,1-Dichloropropene	8.12	75	716	8.904	ug/l #	66
37) Ethyl Acetate	7.29	43	1100	34.819	ug/l #	79
38) Carbon Tetrachloride	8.08	117	168	1.959	ug/l #	61
39) Methylcyclohexane	9.35	83	545	5.596	ug/l #	67
40) Benzene	8.34	78	1770	8.063	ug/l #	85
41) Methacrylonitrile	7.56	41	1204	65.686	ug/l #	24
42) 1,2-Dichloroethane	8.43	62	1489	23.472	ug/l #	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064622.D
 Acq On : 27 Dec 2019 03:29
 Operator : VA/SY
 Sample : K6439-02MS
 Misc : 4.79G/5.00ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-BF001-01MS

Quant Time: Dec 27 05:04:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	8.44	43	785	12.484	ug/l #	67
44) Trichloroethene	9.11	130	1059	16.421	ug/l	86
45) 1,2-Dichloropropane	9.40	63	729	13.908	ug/l #	43
46) Dibromomethane	9.48	93	747	25.562	ug/l #	79
47) Bromodichloromethane	9.67	83	1442	18.544	ug/l #	92
48) Methyl methacrylate	9.46	41	1064	35.937	ug/l #	73
49) 1,4-Dioxane	9.47	88	76	225.543	ug/l #	46
51) 4-Methyl-2-Pentanone	10.23	43	4514	145.235	ug/l	100
52) Toluene	10.40	92	1692	11.748	ug/l	87
53) t-1,3-Dichloropropene	10.62	75	610	8.414	ug/l #	43
54) cis-1,3-Dichloropropene	10.08	75	1047	12.248	ug/l #	85
55) 1,1,2-Trichloroethane	10.80	97	880	22.344	ug/l	87
56) Ethyl methacrylate	10.66	69	1083	22.019	ug/l #	88
57) 1,3-Dichloropropane	10.95	76	1645	24.259	ug/l #	63
58) 2-Chloroethyl Vinyl ether	9.93	63	260	13.875	ug/l #	45
59) 2-Hexanone	10.98	43	2462	116.710	ug/l	97
60) Dibromochloromethane	11.14	129	897	16.470	ug/l	86
61) 1,2-Dibromoethane	11.24	107	748	19.256	ug/l #	45
64) Tetrachloroethene	10.87	164	1114	18.547	ug/l #	78
65) Chlorobenzene	11.67	112	1993	12.265	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	11.74	131	730	11.917	ug/l	93
67) Ethyl Benzene	11.74	91	2625	8.900	ug/l	89
68) m/p-Xylenes	11.87	106	2070	18.184	ug/l	78
69) o-Xylene	12.18	106	1071	10.416	ug/l	95
70) Styrene	12.20	104	1959	10.854	ug/l	95
71) Bromoform	12.36	173	408	11.680	ug/l #	83
73) Isopropylbenzene	12.48	105	2232	9.045	ug/l	95
74) N-amyl acetate	12.29	43	654	12.399	ug/l #	84
75) 1,1,1,2-Tetrachloroethane	12.73	83	609	15.711	ug/l #	75
76) 1,2,3-Trichloropropane	12.78	75	800	29.339	ug/l #	100
77) Bromobenzene	12.77	156	886	14.613	ug/l	69
78) n-propylbenzene	12.83	91	1984	6.892	ug/l	95
79) 2-Chlorotoluene	12.91	91	1879	11.882	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	1855	9.151	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.64	75	2016	154.634	ug/l #	10
82) 4-Chlorotoluene	13.00	91	1769	10.511	ug/l	94
83) tert-Butylbenzene	13.23	119	1413	8.029	ug/l	76
84) 1,2,4-Trimethylbenzene	13.27	105	1864	9.233	ug/l	92
85) sec-Butylbenzene	13.41	105	2242	9.292	ug/l #	73
86) p-Isopropyltoluene	13.51	119	1568	6.796	ug/l #	84
87) 1,3-Dichlorobenzene	13.52	146	1360	11.766	ug/l	89
88) 1,4-Dichlorobenzene	13.61	146	1372	12.083	ug/l	91
89) n-Butylbenzene	13.86	91	1654	7.961	ug/l	93
90) Hexachloroethane	14.12	117	154	3.494	ug/l #	5
91) 1,2-Dichlorobenzene	13.90	146	1071	10.866	ug/l	79
92) 1,2-Dibromo-3-Chloropropan	14.72	75	66	10.503	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.18	180	249	3.431	ug/l #	71
94) Hexachlorobutadiene	15.28	225	327	7.161	ug/l #	64
95) Naphthalene	15.41	128	596	5.191	ug/l #	69

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064622.D
Acq On : 27 Dec 2019 03:29
Operator : VA/SY
Sample : K6439-02MS
Misc : 4.79G/5.00ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LIED-BF001-01MS

Quant Time: Dec 27 05:04:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

