

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065293.D
 Acq On : 24 Feb 2020 14:31
 Operator : VA/SY
 Sample : L1635-12MS
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 LIED-TS001-01MS

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:45 PM

Quant Time: Feb 25 02:42:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	108842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	200539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	203389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	81504	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	119017	121.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.10%	
35) Dibromofluoromethane	7.92	113	98732	80.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.48%	
50) Toluene-d8	10.34	98	267826	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
62) 4-Bromofluorobenzene	12.64	95	80918	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	35161	38.516	ug/l	97
3) Chloromethane	2.21	50	48702	41.914	ug/l	99
4) Vinyl Chloride	2.35	62	42808	36.230	ug/l #	88
5) Bromomethane	2.77	94	19245	26.939	ug/l	92
6) Chloroethane	2.93	64	38613	53.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	68510	40.500	ug/l	92
8) Diethyl Ether	3.71	74	68229	133.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	38845	36.363	ug/l	99
10) Methyl Iodide	4.29	142	21229	19.140	ug/l	98
11) Tert butyl alcohol	5.25	59	43075	736.194	ug/l	99
12) 1,1-Dichloroethene	4.06	96	40689	40.321	ug/l	98
14) Allyl chloride	4.71	41	59063	36.042	ug/l	89
15) Acrylonitrile	5.43	53	122212	540.596	ug/l	98
16) Acetone	4.17	43	115157	481.119	ug/l	95
17) Carbon Disulfide	4.40	76	27863	8.236	ug/l	97
18) Methyl Acetate	4.72	43	98242	182.496	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	289811	137.718	ug/l	100
20) Methylene Chloride	4.96	84	128621	127.889	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	63189	55.081	ug/l	95
22) Diisopropyl ether	6.37	45	320629	101.494	ug/l	98
23) Vinyl Acetate	6.37	43	172760	99.196	ug/l #	73
24) 1,1-Dichloroethane	6.27	63	144367	73.676	ug/l	97
25) 2-Butanone	7.23	43	78424	258.968	ug/l	100
26) 2,2-Dichloropropane	7.21	77	37504	22.060	ug/l	88
27) cis-1,2-Dichloroethene	7.21	96	93198	76.696	ug/l	92
28) Bromochloromethane	7.55	49	87482	120.340	ug/l	100
29) Tetrahydrofuran	7.57	42	139852	788.178	ug/l	99
30) Chloroform	7.71	83	171615	86.932	ug/l	100
31) Cyclohexane	7.98	56	53231	27.649	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	93402	52.881	ug/l	98
36) 1,1-Dichloropropene	8.11	75	65898	33.772	ug/l	99
37) Ethyl Acetate	7.23	43	78424	96.142	ug/l #	1
38) Carbon Tetrachloride	8.10	117	59529	29.969	ug/l	99
39) Methylcyclohexane	9.36	83	36930	16.099	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.36	78	313057	56.841	ug/l	98
41) Methacrylonitrile	7.53	41	18611m	39.515	ug/l	
42) 1,2-Dichloroethane	8.43	62	142401	94.049	ug/l	99
43) Isopropyl Acetate	8.46	43	5713	3.851	ug/l #	59
44) Trichloroethene	9.11	130	68643	44.962	ug/l	100
45) 1,2-Dichloropropane	9.39	63	102968	75.186	ug/l	99
46) Dibromomethane	9.48	93	76526	108.603	ug/l	99
47) Bromodichloromethane	9.67	83	144774	77.962	ug/l	97
48) Methyl methacrylate	9.46	41	54228	79.090	ug/l	99
49) 1,4-Dioxane	9.47	88	21176	2562.323	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	363187	482.056	ug/l	99
52) Toluene	10.41	92	183655	53.872	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	90569	52.618	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	86873	41.796	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	102556	103.406	ug/l	96
56) Ethyl methacrylate	10.67	69	1977	1.727	ug/l #	67
57) 1,3-Dichloropropane	10.95	76	166901	98.875	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	133135	368.894	ug/l	100
59) 2-Hexanone	10.99	43	96679	179.260	ug/l	99
60) Dibromochloromethane	11.14	129	110458	87.015	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87996	93.709	ug/l	97
64) Tetrachloroethene	10.88	164	55739	38.640	ug/l	95
65) Chlorobenzene	11.67	112	200131	49.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	100109	65.727	ug/l	99
67) Ethyl Benzene	11.75	91	272539	38.126	ug/l	99
68) m/p-Xylenes	11.86	106	218968	80.065	ug/l	97
69) o-Xylene	12.18	106	111390	45.972	ug/l	98
70) Stvrene	12.20	104	135212	31.431	ug/l	97
71) Bromoform	12.37	173	65817	77.873	ug/l #	96
73) Isopropylbenzene	12.48	105	198597	36.805	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	110071	113.027	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	83046m	119.756	ug/l	
77) Bromobenzene	12.77	156	88436	66.002	ug/l	92
78) n-propylbenzene	12.83	91	209331	32.282	ug/l	99
79) 2-Chlorotoluene	12.91	91	161420	44.436	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	176383	39.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10122	31.516	ug/l	95
82) 4-Chlorotoluene	13.01	91	175071	45.396	ug/l	100
83) tert-Butylbenzene	13.23	119	124663	33.468	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	191529	43.056	ug/l	99
85) sec-Butylbenzene	13.41	105	127739	23.799	ug/l	99
86) p-Isopropyltoluene	13.53	119	74066	15.090	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	114851	44.338	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	120754	47.233	ug/l	100
89) n-Butylbenzene	13.85	91	65724	14.531	ug/l	96
90) Hexachloroethane	14.12	117	28289	28.385	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	118711	53.374	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	16378	109.132	ug/l	97
93) 1,2,4-Trichlorobenzene	15.17	180	45056	30.970	ug/l	96
94) Hexachlorobutadiene	15.28	225	10482	11.232	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.41	128	105411	44.569	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	40472	31.852	ug/l	99

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

