

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065294.D
 Acq On : 24 Feb 2020 14:59
 Operator : VA/SY
 Sample : L1635-13MSD
 Misc : 6.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LIED-TS001-01MSD

Quant Time: Feb 25 01:23:05 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	3658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	6079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	6601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	2988	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	5004	152.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.12%	
35) Dibromofluoromethane	7.91	113	3226	87.03	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	174.06%	
50) Toluene-d8	10.34	98	7578	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	12.64	95	2853	63.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	1295	42.209	ug/l	82
3) Chloromethane	2.20	50	1516	38.821	ug/l	93
4) Vinyl Chloride	2.35	62	1460	36.766	ug/l #	86
5) Bromomethane	2.77	94	1631	67.931	ug/l #	76
6) Chloroethane	2.93	64	1510	62.296	ug/l	97
7) Trichlorofluoromethane	3.27	101	2879	50.640	ug/l #	71
8) Diethyl Ether	3.72	74	2523	147.019	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	382	10.640	ug/l #	18
10) Methyl Iodide	4.32	142	1547	41.500	ug/l #	81
11) Tert butyl alcohol	5.22	59	5141	2614.372	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	563	16.600	ug/l #	41
14) Allyl chloride	4.71	41	1392	25.275	ug/l #	72
15) Acrylonitrile	5.43	53	9326	1227.460	ug/l #	73
16) Acetone	4.17	43	12594	1565.591	ug/l	90
18) Methyl Acetate	4.72	43	13746	759.776	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	11984	169.446	ug/l	93
20) Methylene Chloride	4.97	84	4192	123.867	ug/l #	77
21) trans-1,2-Dichloroethene	5.47	96	2233	57.917	ug/l #	80
22) Diisopropyl ether	6.37	45	9258	87.198	ug/l #	92
23) Vinyl Acetate	6.36	43	6015	102.764	ug/l #	72
24) 1,1-Dichloroethane	6.27	63	4880	74.102	ug/l #	89
25) 2-Butanone	7.21	43	6644	652.798	ug/l #	77
26) 2,2-Dichloropropane	7.20	77	1436	25.132	ug/l	79
27) cis-1,2-Dichloroethene	7.21	96	3002	73.507	ug/l	77
28) Bromochloromethane	7.56	49	3723	152.383	ug/l #	99
29) Tetrahydrofuran	7.57	42	12017	2015.136	ug/l	95
30) Chloroform	7.71	83	5235	78.903	ug/l	91
31) Cyclohexane	8.00	56	1644	25.408	ug/l #	71
32) 1,1,1-Trichloroethane	7.91	97	3078	51.852	ug/l	94
36) 1,1-Dichloropropene	8.12	75	2097	35.453	ug/l #	70
37) Ethyl Acetate	7.21	43	6644	268.694	ug/l #	29
38) Carbon Tetrachloride	8.10	117	1757	29.180	ug/l #	90
39) Methylcyclohexane	9.36	83	1183	17.012	ug/l #	63
40) Benzene	8.35	78	9377	56.165	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.57	41	9298	651.246	ug/l #	49
42) 1,2-Dichloroethane	8.43	62	5885	128.219	ug/l	77
43) Isopropyl Acetate	8.47	43	518	11.520	ug/l #	51
44) Trichloroethene	9.11	130	2474	53.458	ug/l	59
45) 1,2-Dichloropropane	9.38	63	3049	73.444	ug/l #	82
46) Dibromomethane	9.47	93	3369	157.725	ug/l	94
47) Bromodichloromethane	9.67	83	4630	82.251	ug/l	99
48) Methyl methacrylate	9.46	41	2995	144.099	ug/l	94
49) 1,4-Dioxane	9.46	88	2071	8266.789	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	22717	994.683	ug/l	96
52) Toluene	10.41	92	4320	41.803	ug/l	94
53) t-1,3-Dichloropropene	10.63	75	2538	48.642	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	2027	32.172	ug/l #	80
55) 1,1,2-Trichloroethane	10.80	97	4536	150.877	ug/l	93
57) 1,3-Dichloropropane	10.96	76	6787	132.640	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	3595	328.605	ug/l	97
59) 2-Hexanone	10.99	43	7980	488.113	ug/l	90
60) Dibromochloromethane	11.14	129	4299	111.721	ug/l	96
61) 1,2-Dibromoethane	11.26	107	4279	150.323	ug/l	94
64) Tetrachloroethene	10.88	164	2294	49.000	ug/l	96
65) Chlorobenzene	11.68	112	5614	42.381	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	3347	67.708	ug/l	92
67) Ethyl Benzene	11.74	91	5979	25.772	ug/l	90
68) m/p-Xylenes	11.86	106	4628	52.140	ug/l	88
69) o-Xylene	12.18	106	2370	30.138	ug/l	88
70) Styrene	12.20	104	2143	15.349	ug/l #	80
71) Bromoform	12.37	173	2869	104.592	ug/l #	97
73) Isopropylbenzene	12.48	105	4534	22.920	ug/l	91
74) N-amyl acetate	12.42	43	109	2.480	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.74	83	6496	181.950	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	6552	257.722	ug/l #	100
77) Bromobenzene	12.77	156	2508	51.056	ug/l	70
78) n-propylbenzene	12.83	91	4118	17.323	ug/l	94
79) 2-Chlorotoluene	12.91	91	3911	29.367	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	3553	21.807	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	281	23.866	ug/l #	68
82) 4-Chlorotoluene	13.01	91	3609	25.526	ug/l	93
83) tert-Butylbenzene	13.23	119	2745	20.102	ug/l	91
84) 1,2,4-Trimethylbenzene	13.28	105	3804	23.326	ug/l	96
85) sec-Butylbenzene	13.41	105	3086	15.683	ug/l	98
86) p-Isopropyltoluene	13.53	119	1952	10.848	ug/l	88
87) 1,3-Dichlorobenzene	13.52	146	3365	35.435	ug/l	95
88) 1,4-Dichlorobenzene	13.61	146	3154	33.652	ug/l	94
89) n-Butylbenzene	13.85	91	2213	13.346	ug/l	89
90) Hexachloroethane	14.13	117	881	24.112	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	3415	41.882	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1386	251.915	ug/l	82
93) 1,2,4-Trichlorobenzene	15.17	180	1712	32.098	ug/l #	72
94) Hexachlorobutadiene	15.28	225	314	9.178	ug/l #	64
95) Naphthalene	15.41	128	5838	67.330	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.61	180	1620	34.777	ug/l	91

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

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