

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067475.D
 Acq On : 30 Oct 2020 16:37
 Operator : VA/SY
 Sample : L4560-04MS
 Misc : 5.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003MS

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:09:33 PM

Quant Time: Oct 31 06:30:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	255700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	397502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	371042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	133822	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.92	113	142075	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.34	98	493383	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	172535	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	88555	42.488	ug/l	96
3) Chloromethane	2.21	50	68851	42.785	ug/l	99
4) Vinyl Chloride	2.35	62	79275	44.898	ug/l	96
5) Bromomethane	2.77	94	67322	55.027	ug/l	96
6) Chloroethane	2.93	64	53762	48.891	ug/l	91
7) Trichlorofluoromethane	3.27	101	226920	51.037	ug/l	94
8) Diethyl Ether	3.71	74	54628	53.694	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	118576	50.197	ug/l	99
10) Methyl Iodide	4.30	142	132009	60.581	ug/l	99
11) Tert butyl alcohol	5.22	59	29643	216.449	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	110770	52.489	ug/l	97
13) Acrolein	3.92	56	28013	188.776	ug/l	98
14) Allyl chloride	4.71	41	127167	52.620	ug/l	98
15) Acrylonitrile	5.42	53	97838	288.202	ug/l	97
16) Acetone	4.16	43	110549	308.133	ug/l	93
17) Carbon Disulfide	4.41	76	262022	43.553	ug/l	98
18) Methyl Acetate	4.72	43	52386	64.017	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	239314	57.031	ug/l	100
20) Methylene Chloride	4.97	84	150827	67.173	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	129750	53.427	ug/l	96
22) Diisopropyl ether	6.36	45	259317	58.738	ug/l	97
23) Vinyl Acetate	6.31	43	643194	256.082	ug/l	99
24) 1,1-Dichloroethane	6.27	63	208149	55.079	ug/l	98
25) 2-Butanone	7.21	43	115587	282.635	ug/l	93
26) 2,2-Dichloropropane	7.21	77	209822	53.866	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	151727	57.006	ug/l	100
28) Bromochloromethane	7.56	49	72592	56.316	ug/l	96
29) Tetrahydrofuran	7.57	42	62047	272.933	ug/l	91
30) Chloroform	7.71	83	263983	58.474	ug/l	97
31) Cyclohexane	7.99	56	136369	46.218	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	250455	56.543	ug/l	99
36) 1,1-Dichloropropene	8.11	75	174231	51.714	ug/l	98
37) Ethyl Acetate	7.30	43	52976	53.444	ug/l #	93
38) Carbon Tetrachloride	8.10	117	234210	54.391	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	173038	49.129	ug/l	99
40) Benzene	8.36	78	502428	54.359	ug/l	96
41) Methacrylonitrile	7.53	41	35430	66.143	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	161969	55.996	ug/l	100
43) Isopropyl Acetate	8.46	43	103473	52.607	ug/l	99
44) Trichloroethene	9.12	130	160506	54.238	ug/l	95
45) 1,2-Dichloropropane	9.39	63	117638	54.918	ug/l	98
46) Dibromomethane	9.48	93	70789	53.040	ug/l	98
47) Bromodichloromethane	9.67	83	204480	57.185	ug/l	94
48) Methyl methacrylate	9.46	41	55402	57.961	ug/l	92
49) 1,4-Dioxane	9.47	88	14471	1124.203	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	263311	268.404	ug/l	99
52) Toluene	10.41	92	345773	54.926	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	174734	55.628	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	205051	55.780	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	103432	56.833	ug/l	95
56) Ethyl methacrylate	10.67	69	104341	55.281	ug/l	98
57) 1,3-Dichloropropane	10.95	76	162855	56.229	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	267719	276.491	ug/l	99
59) 2-Hexanone	10.99	43	185167	276.218	ug/l	97
60) Dibromochloromethane	11.14	129	147468	55.562	ug/l	100
61) 1,2-Dibromoethane	11.25	107	98362	54.822	ug/l	99
64) Tetrachloroethene	10.88	164	146559	54.517	ug/l	95
65) Chlorobenzene	11.67	112	390805	54.926	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	161928	57.261	ug/l	99
67) Ethyl Benzene	11.75	91	668771	54.832	ug/l	100
68) m/p-Xylenes	11.86	106	518657	110.429	ug/l	98
69) o-Xylene	12.18	106	242035	55.650	ug/l	95
70) Styrene	12.20	104	419383	56.015	ug/l	99
71) Bromoform	12.37	173	82116	54.052	ug/l #	99
73) Isopropylbenzene	12.48	105	671004	57.466	ug/l	99
74) N-amyl acetate	12.29	43	87257	49.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	94911	53.049	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	72616m	56.947	ug/l	
77) Bromobenzene	12.77	156	165576	56.878	ug/l	99
78) n-propylbenzene	12.83	91	745434	55.100	ug/l	99
79) 2-Chlorotoluene	12.91	91	439961	56.077	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	573777	56.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31136	55.371	ug/l	95
82) 4-Chlorotoluene	13.01	91	464950	55.837	ug/l	99
83) tert-Butylbenzene	13.23	119	497919	58.092	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	572861	57.121	ug/l	98
85) sec-Butylbenzene	13.41	105	650620	55.320	ug/l	100
86) p-Isopropyltoluene	13.52	119	617483	55.625	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	306935	54.779	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	307011	55.304	ug/l	99
89) n-Butylbenzene	13.85	91	522604	53.513	ug/l	100
90) Hexachloroethane	14.11	117	106222	54.834	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	271589	55.484	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18718	57.588	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	183882	55.718	ug/l	97
94) Hexachlorobutadiene	15.27	225	108254	52.822	ug/l	98
95) Naphthalene	15.41	128	311101	57.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	158956	55.752	ug/l	98

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

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