

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067118.D
 Acq On : 06 Oct 2020 19:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:10:07 PM

Quant Time: Oct 07 01:55:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	540868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	500117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178259	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	7.91	113	187642	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.34	98	672450	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.63	95	237969	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	144115	53.776	ug/l	93
3) Chloromethane	2.21	50	115331	43.200	ug/l	97
4) Vinyl Chloride	2.35	62	115404	43.111	ug/l	92
5) Bromomethane	2.77	94	95964	56.150	ug/l	96
6) Chloroethane	2.92	64	77360	47.454	ug/l	98
7) Trichlorofluoromethane	3.27	101	280975	47.244	ug/l	95
8) Diethyl Ether	3.71	74	74528	50.534	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	156968	46.695	ug/l	99
10) Methyl Iodide	4.30	142	155348	47.561	ug/l	98
11) Tert butyl alcohol	5.22	59	47640	252.177	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	146254	46.282	ug/l	98
13) Acrolein	3.93	56	51161	236.632	ug/l	97
14) Allyl chloride	4.71	41	192360	46.857	ug/l	96
15) Acrylonitrile	5.42	53	139878	257.698	ug/l	97
16) Acetone	4.16	43	117649	238.692	ug/l	90
17) Carbon Disulfide	4.41	76	449304	46.329	ug/l	99
18) Methyl Acetate	4.72	43	62602	50.534	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	316266	54.824	ug/l	98
20) Methylene Chloride	4.97	84	193504	56.230	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	178834	49.727	ug/l	93
22) Diisopropyl ether	6.36	45	365157	48.722	ug/l	96
23) Vinyl Acetate	6.31	43	1084259	255.302	ug/l	99
24) 1,1-Dichloroethane	6.26	63	285408	49.344	ug/l	97
25) 2-Butanone	7.21	43	167618	239.864	ug/l	96
26) 2,2-Dichloropropane	7.21	77	247713	50.092	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	199684	51.990	ug/l	96
28) Bromochloromethane	7.55	49	116851	52.313	ug/l	89
29) Tetrahydrofuran	7.56	42	97579	242.850	ug/l	93
30) Chloroform	7.71	83	328897	52.419	ug/l	99
31) Cyclohexane	7.98	56	198878	41.013	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	297978	51.244	ug/l	97
36) 1,1-Dichloropropene	8.11	75	229473	45.517	ug/l	98
37) Ethyl Acetate	7.29	43	78337	44.853	ug/l	97
38) Carbon Tetrachloride	8.10	117	270364	49.564	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	245502	46.060	ug/l	97
40) Benzene	8.35	78	674785	48.189	ug/l	97
41) Methacrylonitrile	7.52	41	40189	42.594	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	201240	51.430	ug/l	96
43) Isopropyl Acetate	8.45	43	151861	47.199	ug/l	96
44) Trichloroethene	9.11	130	212433	50.804	ug/l	97
45) 1,2-Dichloropropane	9.38	63	157526	47.878	ug/l	92
46) Dibromomethane	9.47	93	97455	51.535	ug/l	95
47) Bromodichloromethane	9.66	83	257012	52.285	ug/l	98
48) Methyl methacrylate	9.46	41	73067	44.328	ug/l #	74
49) 1,4-Dioxane	9.46	88	19249	975.308	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	388484	242.408	ug/l	97
52) Toluene	10.40	92	459088	50.895	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	224098	51.009	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	271551	50.619	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137049	52.128	ug/l	97
56) Ethyl methacrylate	10.66	69	149124	54.938	ug/l	99
57) 1,3-Dichloropropane	10.94	76	220834	51.798	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	425579	281.694	ug/l	96
59) 2-Hexanone	10.98	43	264999	247.745	ug/l	96
60) Dibromochloromethane	11.14	129	191671	54.698	ug/l	98
61) 1,2-Dibromoethane	11.24	107	133627	52.904	ug/l	99
64) Tetrachloroethene	10.87	164	180032	49.516	ug/l	96
65) Chlorobenzene	11.67	112	504112	50.682	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	198513	52.467	ug/l	98
67) Ethyl Benzene	11.74	91	875782	51.388	ug/l	99
68) m/p-Xylenes	11.86	106	670483	100.949	ug/l	99
69) o-Xylene	12.18	106	312416	52.601	ug/l	97
70) Styrene	12.20	104	536771	52.630	ug/l	99
71) Bromoform	12.36	173	106894	54.427	ug/l #	98
73) Isopropylbenzene	12.48	105	846600	50.067	ug/l	100
74) N-amyl acetate	12.29	43	143792	47.304	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	137471	48.253	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	90309m	41.634	ug/l	
77) Bromobenzene	12.76	156	210582	51.576	ug/l	94
78) n-propylbenzene	12.82	91	967718	48.425	ug/l	99
79) 2-Chlorotoluene	12.91	91	565017	49.417	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	718279	50.277	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	41038	47.168	ug/l	99
82) 4-Chlorotoluene	13.01	91	593103	48.756	ug/l	99
83) tert-Butylbenzene	13.23	119	600119	49.883	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	727712	51.042	ug/l	98
85) sec-Butylbenzene	13.40	105	824110	48.643	ug/l	100
86) p-Isopropyltoluene	13.52	119	769102	48.966	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	389144	48.931	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	386406	48.592	ug/l	98
89) n-Butylbenzene	13.85	91	683330	47.603	ug/l	99
90) Hexachloroethane	14.11	117	131227	47.696	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	341575	49.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21770	47.404	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	230931	51.403	ug/l	99
94) Hexachlorobutadiene	15.28	225	134950	48.911	ug/l	98
95) Naphthalene	15.41	128	411123	54.864	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	209566	53.735	ug/l	98

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

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