

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020520\
 Data File : VD065076.D
 Acq On : 05 Feb 2020 21:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 10:37:34 AM

Quant Time: Feb 06 06:21:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	483210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	738217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	674437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	322925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	235990	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
35) Dibromofluoromethane	7.92	113	228491	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
50) Toluene-d8	10.34	98	886442	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	12.64	95	281838	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	190304	47.326	ug/l	99
3) Chloromethane	2.21	50	248835	52.569	ug/l	96
4) Vinyl Chloride	2.35	62	257916	51.521	ug/l	100
5) Bromomethane	2.77	94	170934	52.662	ug/l	93
6) Chloroethane	2.93	64	166877	53.740	ug/l	96
7) Trichlorofluoromethane	3.27	101	366598	50.321	ug/l	99
8) Diethyl Ether	3.71	74	108018	51.648	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210638	47.296	ug/l	98
10) Methyl Iodide	4.30	142	257690	50.693	ug/l	98
11) Tert butyl alcohol	5.24	59	62488	249.031	ug/l	100
12) 1,1-Dichloroethene	4.06	96	203068	47.609	ug/l	99
13) Acrolein	3.93	56	74548	241.544	ug/l	96
14) Allyl chloride	4.71	41	353999	49.936	ug/l	99
15) Acrylonitrile	5.43	53	241528	264.153	ug/l	99
16) Acetone	4.17	43	247142	240.694	ug/l	97
17) Carbon Disulfide	4.40	76	680813	49.712	ug/l	100
18) Methyl Acetate	4.73	43	116286	54.206	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	493625	52.334	ug/l	98
20) Methylene Chloride	4.96	84	250110	55.776	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	242623	50.276	ug/l	94
22) Diisopropyl ether	6.37	45	719569	53.814	ug/l	98
23) Vinyl Acetate	6.31	43	2006383	269.204	ug/l	100
24) 1,1-Dichloroethane	6.27	63	413559	51.097	ug/l	98
25) 2-Butanone	7.22	43	316692	258.565	ug/l	100
26) 2,2-Dichloropropane	7.21	77	344726	47.519	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	259924	50.699	ug/l	99
28) Bromochloromethane	7.56	49	172147	56.110	ug/l	99
29) Tetrahydrofuran	7.57	42	199482	269.321	ug/l	100
30) Chloroform	7.72	83	422244	52.395	ug/l	93
31) Cyclohexane	7.98	56	367522	44.985	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	374616	49.903	ug/l	100
36) 1,1-Dichloropropene	8.11	75	326044	47.498	ug/l	99
37) Ethyl Acetate	7.30	43	139860	49.873	ug/l	99
38) Carbon Tetrachloride	8.10	117	331858	47.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	382659	45.163	ug/l	99
40) Benzene	8.36	78	941761	49.682	ug/l	100
41) Methacrylonitrile	7.53	41	80635	52.192	ug/l	97
42) 1,2-Dichloroethane	8.43	62	274584	50.838	ug/l	99
43) Isopropyl Acetate	8.46	43	275827	51.418	ug/l	99
44) Trichloroethene	9.11	130	258579	47.525	ug/l	98
45) 1,2-Dichloropropane	9.39	63	230661	50.753	ug/l	98
46) Dibromomethane	9.48	93	124678	52.206	ug/l	97
47) Bromodichloromethane	9.67	83	326517	51.889	ug/l	98
48) Methyl methacrylate	9.46	41	130134	50.413	ug/l	97
49) 1,4-Dioxane	9.47	88	29139	1030.142	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	702912	266.207	ug/l	99
52) Toluene	10.41	92	600336	49.622	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	311833	50.897	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	368837	50.335	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	168394	51.406	ug/l	96
56) Ethyl methacrylate	10.67	69	216318	52.191	ug/l	98
57) 1,3-Dichloropropane	10.95	76	295527	51.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	313177	232.534	ug/l	100
59) 2-Hexanone	10.99	43	487780	260.802	ug/l	99
60) Dibromochloromethane	11.15	129	221029	52.094	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165948	51.846	ug/l	99
64) Tetrachloroethene	10.88	164	239430	49.406	ug/l	96
65) Chlorobenzene	11.68	112	631164	48.385	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	236762	49.177	ug/l	99
67) Ethyl Benzene	11.75	91	1143928	48.268	ug/l	97
68) m/p-Xylenes	11.86	106	885973	97.946	ug/l	99
69) o-Xylene	12.18	106	400072	49.115	ug/l	98
70) Styrene	12.20	104	717419	50.675	ug/l	100
71) Bromoform	12.37	173	130609	50.401	ug/l #	99
73) Isopropylbenzene	12.48	105	1046343	47.208	ug/l	100
74) N-amyl acetate	12.30	43	245518	50.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	173189	49.648	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	122210m	49.986	ug/l	
77) Bromobenzene	12.77	156	259432	48.582	ug/l	99
78) n-propylbenzene	12.83	91	1240012	47.773	ug/l	99
79) 2-Chlorotoluene	12.91	91	697082	48.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	866090	47.764	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60829	49.758	ug/l	97
82) 4-Chlorotoluene	13.01	91	731249	48.123	ug/l	99
83) tert-Butylbenzene	13.23	119	741250	47.383	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	877091	48.722	ug/l	99
85) sec-Butylbenzene	13.41	105	1002532	46.921	ug/l	100
86) p-Isopropyltoluene	13.53	119	957517	48.233	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	493647	49.373	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	481227	48.358	ug/l	99
89) n-Butylbenzene	13.86	91	857421	46.794	ug/l	100
90) Hexachloroethane	14.13	117	175989	46.817	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419591	48.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27803	48.825	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	287132	46.910	ug/l	99
94) Hexachlorobutadiene	15.28	225	164263	43.645	ug/l	99
95) Naphthalene	15.41	128	491784	48.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	248687	47.499	ug/l	98

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

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