

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065192.D
 Acq On : 17 Feb 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:43 AM

Quant Time: Feb 18 03:24:22 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	468315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	610254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210283	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.92	113	223455	59.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.14%	
50) Toluene-d8	10.34	98	864614	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.64	95	281616	59.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	201610	51.733	ug/l	99
3) Chloromethane	2.21	50	242792	52.924	ug/l	99
4) Vinyl Chloride	2.35	62	245903	50.684	ug/l	100
5) Bromomethane	2.77	94	144372	45.893	ug/l	99
6) Chloroethane	2.93	64	155854	51.786	ug/l	100
7) Trichlorofluoromethane	3.27	101	361509	51.201	ug/l	100
8) Diethyl Ether	3.70	74	104813	51.710	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	233799	54.166	ug/l	99
10) Methyl Iodide	4.29	142	252712	51.295	ug/l	100
11) Tert butyl alcohol	5.25	59	53746	221.004	ug/l	98
12) 1,1-Dichloroethene	4.06	96	219511	53.100	ug/l	96
13) Acrolein	3.92	56	74127	247.819	ug/l	99
14) Allyl chloride	4.71	41	361776	52.657	ug/l	96
15) Acrylonitrile	5.43	53	233933	263.984	ug/l	99
16) Acetone	4.17	43	298272	299.729	ug/l	97
17) Carbon Disulfide	4.40	76	693436	52.244	ug/l	99
18) Methyl Acetate	4.72	43	108025	51.957	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	462047	50.544	ug/l	99
20) Methylene Chloride	4.96	84	239433	55.040	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	248928	53.224	ug/l	96
22) Diisopropyl ether	6.37	45	705589	54.446	ug/l	99
23) Vinyl Acetate	6.31	43	1940125	268.593	ug/l	99
24) 1,1-Dichloroethane	6.27	63	427320	54.477	ug/l	98
25) 2-Butanone	7.22	43	333797	281.198	ug/l	95
26) 2,2-Dichloropropane	7.21	77	377689	53.719	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	261966	52.723	ug/l	99
28) Bromochloromethane	7.55	49	164434	55.300	ug/l	99
29) Tetrahydrofuran	7.57	42	188650	262.797	ug/l	98
30) Chloroform	7.71	83	425944	54.535	ug/l	96
31) Cyclohexane	7.98	56	401352	50.688	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	392637	53.967	ug/l	99
36) 1,1-Dichloropropene	8.11	75	347794	55.167	ug/l	100
37) Ethyl Acetate	7.30	43	134215	52.111	ug/l	100
38) Carbon Tetrachloride	8.10	117	348294	54.092	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	422227	54.259	ug/l	98
40) Benzene	8.36	78	963046	55.318	ug/l	100
41) Methacrylonitrile	7.53	41	77109	54.343	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	257669	51.943	ug/l	97
43) Isopropyl Acetate	8.46	43	248161	50.369	ug/l	98
44) Trichloroethene	9.11	130	267532	53.537	ug/l	96
45) 1,2-Dichloropropane	9.39	63	241439	57.842	ug/l	98
46) Dibromomethane	9.48	93	119684	54.566	ug/l	99
47) Bromodichloromethane	9.67	83	326650	56.520	ug/l	98
48) Methyl methacrylate	9.46	41	119160	50.261	ug/l	95
49) 1,4-Dioxane	9.47	88	27444	1056.388	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	642696	265.019	ug/l	98
52) Toluene	10.41	92	620726	55.864	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	305866	54.357	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	372497	55.350	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	168551	56.024	ug/l	97
56) Ethyl methacrylate	10.67	69	208502	54.773	ug/l	96
57) 1,3-Dichloropropane	10.95	76	292570	55.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	279014	224.951	ug/l	100
59) 2-Hexanone	10.99	43	520054	302.753	ug/l	99
60) Dibromochloromethane	11.14	129	219205	56.252	ug/l	99
61) 1,2-Dibromoethane	11.25	107	162620	55.319	ug/l	99
64) Tetrachloroethene	10.88	164	226129	51.569	ug/l	97
65) Chlorobenzene	11.67	112	646333	54.759	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	240129	55.122	ug/l	99
67) Ethyl Benzene	11.75	91	1171270	54.619	ug/l	100
68) m/p-Xylenes	11.86	106	902447	110.260	ug/l	99
69) o-Xylene	12.18	106	402134	54.560	ug/l	99
70) Styrene	12.20	104	717180	55.986	ug/l	99
71) Bromoform	12.37	173	126554	53.972	ug/l #	98
73) Isopropylbenzene	12.48	105	1110594	54.323	ug/l	99
74) N-amyl acetate	12.30	43	227578	51.214	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	176502	54.855	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	118870m	52.710	ug/l	
77) Bromobenzene	12.77	156	264820	53.763	ug/l	99
78) n-propylbenzene	12.83	91	1337769	55.875	ug/l	100
79) 2-Chlorotoluene	12.91	91	726358	54.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	923725	55.228	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59892	53.114	ug/l	97
82) 4-Chlorotoluene	13.01	91	760360	54.249	ug/l	99
83) tert-Butylbenzene	13.23	119	767411	53.183	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	905548	54.535	ug/l	99
85) sec-Butylbenzene	13.41	105	1102713	55.952	ug/l	99
86) p-Isopropyltoluene	13.53	119	1019928	55.700	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	501445	54.372	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	492757	53.683	ug/l	99
89) n-Butylbenzene	13.86	91	940724	55.660	ug/l	99
90) Hexachloroethane	14.12	117	195699	56.440	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	428016	54.184	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25975	49.452	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	289732	51.317	ug/l	99
94) Hexachlorobutadiene	15.28	225	182436	52.552	ug/l	99
95) Naphthalene	15.41	128	479546	51.102	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	249998	51.766	ug/l	100

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

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