

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065507.D
 Acq On : 13 Mar 2020 16:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:05:29 PM

Quant Time: Mar 16 03:38:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	204106	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.92	113	220923	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
50) Toluene-d8	10.34	98	833573	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.64	95	273604	55.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159900	39.259	ug/l	99
3) Chloromethane	2.21	50	195994	39.858	ug/l	98
4) Vinyl Chloride	2.35	62	203724	42.003	ug/l	97
5) Bromomethane	2.77	94	135575	49.873	ug/l	100
6) Chloroethane	2.92	64	130729	44.008	ug/l	99
7) Trichlorofluoromethane	3.27	101	316995	44.355	ug/l	98
8) Diethyl Ether	3.71	74	100048	47.075	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	210234	45.675	ug/l	98
10) Methyl Iodide	4.29	142	233126	48.752	ug/l	99
11) Tert butyl alcohol	5.25	59	56605	242.752	ug/l	100
12) 1,1-Dichloroethene	4.06	96	198311	44.994	ug/l	96
13) Acrolein	3.92	56	89620	222.853	ug/l	98
14) Allyl chloride	4.71	41	304664	44.998	ug/l	99
15) Acrylonitrile	5.43	53	217091	234.795	ug/l	99
16) Acetone	4.16	43	170452	207.323	ug/l	98
17) Carbon Disulfide	4.40	76	608518	41.459	ug/l	100
18) Methyl Acetate	4.72	43	95262	45.678	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	418807	49.412	ug/l	100
20) Methylene Chloride	4.97	84	228030	51.153	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	223967	45.680	ug/l	97
22) Diisopropyl ether	6.37	45	634664	50.425	ug/l	99
23) Vinyl Acetate	6.31	43	1769396	253.187	ug/l	99
24) 1,1-Dichloroethane	6.27	63	379178	46.969	ug/l	98
25) 2-Butanone	7.23	43	256551	228.664	ug/l	97
26) 2,2-Dichloropropane	7.21	77	324663	46.020	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	241747	48.238	ug/l	99
28) Bromochloromethane	7.55	49	168463	52.157	ug/l	100
29) Tetrahydrofuran	7.57	42	169970	237.225	ug/l	98
30) Chloroform	7.71	83	390830	48.435	ug/l	98
31) Cyclohexane	7.98	56	350184	43.380	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	346300	46.441	ug/l	99
36) 1,1-Dichloropropene	8.11	75	306530	47.296	ug/l	99
37) Ethyl Acetate	7.30	43	122853	49.042	ug/l	100
38) Carbon Tetrachloride	8.10	117	321307	47.808	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	371149	47.414	ug/l	96
40) Benzene	8.36	78	885325	48.857	ug/l	100
41) Methacrylonitrile	7.53	41	68713	51.867	ug/l	89
42) 1,2-Dichloroethane	8.43	62	233300	49.304	ug/l	100
43) Isopropyl Acetate	8.46	43	226057	48.873	ug/l	98
44) Trichloroethene	9.11	130	251580	49.161	ug/l	96
45) 1,2-Dichloropropane	9.39	63	219637	50.037	ug/l	99
46) Dibromomethane	9.48	93	113406	49.809	ug/l	97
47) Bromodichloromethane	9.67	83	299452	50.555	ug/l	97
48) Methyl methacrylate	9.46	41	105889	48.668	ug/l	98
49) 1,4-Dioxane	9.47	88	23892	917.379	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	600289	257.900	ug/l	100
52) Toluene	10.41	92	575168	50.385	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	283312	51.182	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	340839	50.870	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	160435	49.751	ug/l	99
56) Ethyl methacrylate	10.67	69	191653	52.718	ug/l	100
57) 1,3-Dichloropropane	10.95	76	278568	51.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	270219	237.927	ug/l	100
59) 2-Hexanone	10.99	43	404978	251.342	ug/l	98
60) Dibromochloromethane	11.14	129	211542	51.176	ug/l	99
61) 1,2-Dibromoethane	11.25	107	156027	50.725	ug/l	98
64) Tetrachloroethene	10.88	164	215502	47.733	ug/l	98
65) Chlorobenzene	11.67	112	602899	48.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	227736	50.152	ug/l	98
67) Ethyl Benzene	11.75	91	1070927	49.710	ug/l	99
68) m/p-Xylenes	11.86	106	830339	99.959	ug/l	99
69) o-Xylene	12.18	106	371382	50.826	ug/l	100
70) Styrene	12.20	104	664477	51.670	ug/l	100
71) Bromoform	12.37	173	125961	49.384	ug/l #	100
73) Isopropylbenzene	12.48	105	1024436	49.698	ug/l	100
74) N-amyl acetate	12.30	43	204625	48.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	170079	46.940	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	113129m	45.747	ug/l	
77) Bromobenzene	12.77	156	250882	48.987	ug/l	99
78) n-propylbenzene	12.83	91	1210579	49.497	ug/l	100
79) 2-Chlorotoluene	12.91	91	668977	48.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	839370	49.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	56745	48.424	ug/l	99
82) 4-Chlorotoluene	13.01	91	711747	49.138	ug/l	99
83) tert-Butylbenzene	13.23	119	717556	50.050	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	841891	50.400	ug/l	100
85) sec-Butylbenzene	13.41	105	1007840	49.248	ug/l	99
86) p-Isopropyltoluene	13.53	119	932548	49.939	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	474286	48.170	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	470639	48.052	ug/l	99
89) n-Butylbenzene	13.85	91	853485	49.438	ug/l	98
90) Hexachloroethane	14.12	117	182091	47.350	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	409852	48.914	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25847	46.840	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	273166	48.101	ug/l	100
94) Hexachlorobutadiene	15.28	225	176964	47.424	ug/l	100
95) Naphthalene	15.41	128	453722	45.282	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	239483	48.800	ug/l	97

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

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