

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065168.D
 Acq On : 12 Feb 2020 17:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:59:03 AM

Quant Time: Feb 13 07:19:59 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	429124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206106	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
35) Dibromofluoromethane	7.92	113	209037	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	
50) Toluene-d8	10.34	98	813489	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
62) 4-Bromofluorobenzene	12.64	95	255794	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177209	49.624	ug/l	99
3) Chloromethane	2.21	50	225274	53.590	ug/l	96
4) Vinyl Chloride	2.35	62	233397	52.500	ug/l	99
5) Bromomethane	2.77	94	141149	48.966	ug/l	98
6) Chloroethane	2.93	64	144909	52.547	ug/l	91
7) Trichlorofluoromethane	3.27	101	339044	52.404	ug/l	99
8) Diethyl Ether	3.71	74	93848	50.529	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	200875	50.788	ug/l	98
10) Methyl Iodide	4.30	142	226667	50.210	ug/l	97
11) Tert butyl alcohol	5.24	59	52928	237.517	ug/l	96
12) 1,1-Dichloroethene	4.06	96	193775	51.156	ug/l	99
13) Acrolein	3.93	56	67813	247.416	ug/l	100
14) Allyl chloride	4.71	41	325142	51.647	ug/l	99
15) Acrylonitrile	5.43	53	216805	267.000	ug/l	99
16) Acetone	4.17	43	226223	248.090	ug/l	99
17) Carbon Disulfide	4.40	76	628239	51.655	ug/l	99
18) Methyl Acetate	4.72	43	100428	52.714	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	431701	51.537	ug/l	94
20) Methylene Chloride	4.96	84	222428	55.860	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	224767	52.447	ug/l	97
22) Diisopropyl ether	6.37	45	658366	55.442	ug/l	96
23) Vinyl Acetate	6.31	43	1826166	275.906	ug/l	99
24) 1,1-Dichloroethane	6.27	63	383441	53.347	ug/l	97
25) 2-Butanone	7.22	43	285348	262.337	ug/l	99
26) 2,2-Dichloropropane	7.21	77	331600	51.471	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	244213	53.639	ug/l	97
28) Bromochloromethane	7.56	49	150402	55.201	ug/l	99
29) Tetrahydrofuran	7.57	42	178886	271.954	ug/l	97
30) Chloroform	7.71	83	397348	55.520	ug/l	96
31) Cyclohexane	7.98	56	358944	49.472	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	351608	52.741	ug/l	99
36) 1,1-Dichloropropene	8.11	75	313116	52.458	ug/l	99
37) Ethyl Acetate	7.30	43	126100	51.712	ug/l	98
38) Carbon Tetrachloride	8.10	117	316770	51.962	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	373632	50.714	ug/l	99
40) Benzene	8.36	78	889736	53.980	ug/l	100
41) Methacrylonitrile	7.53	41	80770	60.123	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	248399	52.890	ug/l	99
43) Isopropyl Acetate	8.46	43	236935	50.794	ug/l	98
44) Trichloroethene	9.12	130	243028	51.368	ug/l	98
45) 1,2-Dichloropropane	9.39	63	220176	55.714	ug/l	97
46) Dibromomethane	9.48	93	112830	54.333	ug/l	97
47) Bromodichloromethane	9.67	83	298178	54.494	ug/l	98
48) Methyl methacrylate	9.46	41	114995	51.231	ug/l	97
49) 1,4-Dioxane	9.47	88	25031	1017.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	616954	268.707	ug/l	100
52) Toluene	10.41	92	563868	53.600	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	282620	53.050	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	345155	54.170	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	156107	54.805	ug/l	95
56) Ethyl methacrylate	10.67	69	192416	53.389	ug/l	99
57) 1,3-Dichloropropane	10.96	76	273298	54.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	287659	246.790	ug/l	100
59) 2-Hexanone	10.99	43	443569	272.745	ug/l	99
60) Dibromochloromethane	11.14	129	203328	55.111	ug/l	98
61) 1,2-Dibromoethane	11.26	107	148771	53.453	ug/l	100
64) Tetrachloroethene	10.88	164	202861	48.623	ug/l	99
65) Chlorobenzene	11.68	112	589677	52.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	220265	53.142	ug/l	99
67) Ethyl Benzene	11.75	91	1064687	52.182	ug/l	100
68) m/p-Xylenes	11.86	106	820302	105.337	ug/l	100
69) o-Xylene	12.19	106	366989	52.332	ug/l	98
70) Styrene	12.20	104	660333	54.178	ug/l	100
71) Bromoform	12.37	173	117533	52.682	ug/l #	100
73) Isopropylbenzene	12.48	105	999741	50.517	ug/l	100
74) N-amyl acetate	12.30	43	216391	50.306	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	163281	52.424	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	114968m	52.666	ug/l	
77) Bromobenzene	12.77	156	235163	49.320	ug/l	98
78) n-propylbenzene	12.83	91	1196706	51.636	ug/l	99
79) 2-Chlorotoluene	12.91	91	656593	50.826	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	829027	51.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56417	51.686	ug/l	99
82) 4-Chlorotoluene	13.01	91	687300	50.657	ug/l	100
83) tert-Butylbenzene	13.23	119	683450	48.930	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	837485	52.104	ug/l	98
85) sec-Butylbenzene	13.41	105	975801	51.149	ug/l	100
86) p-Isopropyltoluene	13.53	119	918532	51.820	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	461172	51.658	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	443806	49.948	ug/l	99
89) n-Butylbenzene	13.86	91	836497	51.130	ug/l	100
90) Hexachloroethane	14.12	117	176011	52.440	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	396298	51.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25014	49.197	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	261481	47.844	ug/l	98
94) Hexachlorobutadiene	15.28	225	160429	47.740	ug/l	99
95) Naphthalene	15.41	128	433214	47.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	225115	48.155	ug/l	98

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

