

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050820\
 Data File : VD065717.D
 Acq On : 08 May 2020 11:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 09 03:54:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 17:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	524958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254363	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	173504	44.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.08%	
35) Dibromofluoromethane	7.92	113	180785	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.34	98	697039	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.64	95	233177	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	145364	47.123	ug/l	98
3) Chloromethane	2.21	50	200120	51.438	ug/l	99
4) Vinyl Chloride	2.35	62	215745	54.730	ug/l	97
5) Bromomethane	2.77	94	135537	54.480	ug/l	95
6) Chloroethane	2.92	64	137355	54.245	ug/l	94
7) Trichlorofluoromethane	3.27	101	301623	47.968	ug/l	100
8) Diethyl Ether	3.71	74	89100	45.229	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	185360	48.562	ug/l	98
10) Methyl Iodide	4.30	142	189831	50.700	ug/l	98
11) Tert butyl alcohol	5.22	59	62616	207.435	ug/l	100
12) 1,1-Dichloroethene	4.07	96	179218	47.773	ug/l	95
13) Acrolein	3.93	56	66789	206.327	ug/l	99
14) Allyl chloride	4.71	41	314356	42.035	ug/l	96
15) Acrylonitrile	5.43	53	198594	214.425	ug/l	100
16) Acetone	4.16	43	201645	239.739	ug/l	96
17) Carbon Disulfide	4.41	76	571018	46.288	ug/l	99
18) Methyl Acetate	4.72	43	87136	41.666	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	422050	46.399	ug/l	96
20) Methylene Chloride	4.97	84	193665	45.708	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	200181	46.613	ug/l	98
22) Diisopropyl ether	6.37	45	606008	43.575	ug/l	99
23) Vinyl Acetate	6.31	43	1832376	218.145	ug/l	98
24) 1,1-Dichloroethane	6.27	63	350745	46.038	ug/l	99
25) 2-Butanone	7.21	43	274893	220.333	ug/l	98
26) 2,2-Dichloropropane	7.21	77	318329	46.408	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222704	47.791	ug/l	95
28) Bromochloromethane	7.55	49	147141	46.307	ug/l	91
29) Tetrahydrofuran	7.56	42	167393	208.163	ug/l	94
30) Chloroform	7.71	83	344981	47.055	ug/l	99
31) Cyclohexane	7.98	56	331890	42.101	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	322087	47.394	ug/l	99
36) 1,1-Dichloropropene	8.11	75	276280	47.039	ug/l	97
37) Ethyl Acetate	7.30	43	120212	42.506	ug/l	98
38) Carbon Tetrachloride	8.10	117	288957	49.621	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	348202	47.222	ug/l	97
40) Benzene	8.36	78	775070	48.320	ug/l	99
41) Methacrylonitrile	7.53	41	67321	41.270	ug/l #	67
42) 1,2-Dichloroethane	8.43	62	215749	46.743	ug/l	100
43) Isopropyl Acetate	8.46	43	247939	43.841	ug/l	98
44) Trichloroethene	9.11	130	228624	51.720	ug/l	98
45) 1,2-Dichloropropane	9.39	63	193677	46.690	ug/l	99
46) Dibromomethane	9.48	93	99850	47.987	ug/l	93
47) Bromodichloromethane	9.67	83	267828	48.133	ug/l	100
48) Methyl methacrylate	9.46	41	122529	43.270	ug/l	96
49) 1,4-Dioxane	9.47	88	24204	948.950	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	594627	218.164	ug/l	97
52) Toluene	10.41	92	500326	49.323	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	269711	47.854	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	318334	47.944	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	138411	49.342	ug/l	99
56) Ethyl methacrylate	10.67	69	188927	46.645	ug/l	95
57) 1,3-Dichloropropane	10.95	76	241945	47.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	416647	224.077	ug/l	96
59) 2-Hexanone	10.99	43	421052	224.601	ug/l	99
60) Dibromochloromethane	11.14	129	186353	49.454	ug/l	99
61) 1,2-Dibromoethane	11.25	107	139230	49.330	ug/l	100
64) Tetrachloroethene	10.88	164	190571	51.011	ug/l	100
65) Chlorobenzene	11.67	112	526854	49.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	201395	51.070	ug/l	99
67) Ethyl Benzene	11.75	91	963752	48.844	ug/l	100
68) m/p-Xylenes	11.86	106	731840	99.492	ug/l	97
69) o-Xylene	12.18	106	336952	49.091	ug/l	98
70) Styrene	12.20	104	587198	49.758	ug/l	98
71) Bromoform	12.37	173	112039	50.493	ug/l #	98
73) Isopropylbenzene	12.48	105	934896	48.509	ug/l	100
74) N-amyl acetate	12.29	43	232050	42.176	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	149314	46.201	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	115284m	53.662	ug/l	
77) Bromobenzene	12.77	156	223040	50.469	ug/l	93
78) n-propylbenzene	12.83	91	1083671	47.753	ug/l	98
79) 2-Chlorotoluene	12.91	91	597832	46.628	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	763910	48.279	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	54670	45.047	ug/l	97
82) 4-Chlorotoluene	13.01	91	626614	46.704	ug/l	98
83) tert-Butylbenzene	13.23	119	663733	49.281	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	758151	48.102	ug/l	99
85) sec-Butylbenzene	13.41	105	920109	48.703	ug/l	99
86) p-Isopropyltoluene	13.53	119	855893	49.715	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	414737	49.930	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	412472	50.331	ug/l	99
89) n-Butylbenzene	13.85	91	801497	48.052	ug/l	99
90) Hexachloroethane	14.12	117	166031	48.420	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	358205	49.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25173	46.340	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	274005	50.952	ug/l	99
94) Hexachlorobutadiene	15.28	225	164327	52.727	ug/l	99
95) Naphthalene	15.41	128	463074	48.986	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	233857	51.122	ug/l	98

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

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