

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052620\
 Data File : VD065765.D
 Acq On : 26 May 2020 16:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 27 08:06:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	256680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	403848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	372501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187634	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	117935	57.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.04%	
35) Dibromofluoromethane	7.92	113	121770	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.34	98	449669	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.64	95	153613	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	85114	50.541	ug/l	98
3) Chloromethane	2.21	50	136747	56.657	ug/l	96
4) Vinyl Chloride	2.35	62	161158	61.665	ug/l	98
5) Bromomethane	2.77	94	103905	60.174	ug/l	96
6) Chloroethane	2.92	64	109794	64.770	ug/l	94
7) Trichlorofluoromethane	3.27	101	197169	54.573	ug/l	94
8) Diethyl Ether	3.71	74	56003	53.946	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	116578	52.495	ug/l	96
10) Methyl Iodide	4.30	142	125770	54.213	ug/l	97
11) Tert butyl alcohol	5.23	59	37819	222.631	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	109260	51.872	ug/l	98
13) Acrolein	3.91	56	34403	305.336	ug/l	96
14) Allyl chloride	4.71	41	191960	52.708	ug/l	98
15) Acrylonitrile	5.42	53	127715	278.480	ug/l	99
16) Acetone	4.16	43	108611	255.990	ug/l	99
17) Carbon Disulfide	4.41	76	338545	50.889	ug/l	99
18) Methyl Acetate	4.72	43	53590	54.292	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	264318	53.788	ug/l	99
20) Methylene Chloride	4.96	84	128042	53.493	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	130018	53.612	ug/l	98
22) Diisopropyl ether	6.36	45	391202	56.421	ug/l	93
23) Vinyl Acetate	6.31	43	1132723	277.754	ug/l	100
24) 1,1-Dichloroethane	6.27	63	230643	56.814	ug/l	99
25) 2-Butanone	7.21	43	159603	263.156	ug/l	97
26) 2,2-Dichloropropane	7.21	77	202516	53.748	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	145061	54.583	ug/l	97
28) Bromochloromethane	7.55	49	99512	59.620	ug/l	95
29) Tetrahydrofuran	7.57	42	104284	271.197	ug/l	98
30) Chloroform	7.71	83	237530	57.895	ug/l	97
31) Cyclohexane	7.99	56	203104	49.424	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	214859	55.905	ug/l	99
36) 1,1-Dichloropropene	8.11	75	182536	52.047	ug/l	98
37) Ethyl Acetate	7.29	43	72520	48.266	ug/l	96
38) Carbon Tetrachloride	8.10	117	193560	52.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	218411	48.594	ug/l	96
40) Benzene	8.36	78	510428	52.927	ug/l	99
41) Methacrylonitrile	7.53	41	42197m	50.995	ug/l	
42) 1,2-Dichloroethane	8.43	62	149434	55.650	ug/l	99
43) Isopropyl Acetate	8.46	43	152602	51.243	ug/l	99
44) Trichloroethene	9.11	130	143908	49.843	ug/l	98
45) 1,2-Dichloropropane	9.39	63	127238	53.511	ug/l	98
46) Dibromomethane	9.48	93	69768	54.415	ug/l	94
47) Bromodichloromethane	9.67	83	181680	54.135	ug/l	99
48) Methyl methacrylate	9.46	41	68914	49.299	ug/l	96
49) 1,4-Dioxane	9.47	88	15618	1032.376	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	370718	260.129	ug/l	98
52) Toluene	10.41	92	332528	52.631	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	172986	52.761	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	205327	52.650	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	93474	53.516	ug/l	98
56) Ethyl methacrylate	10.67	69	116047	50.976	ug/l	97
57) 1,3-Dichloropropane	10.95	76	160675	52.888	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	289508	273.348	ug/l	99
59) 2-Hexanone	10.98	43	251499	259.150	ug/l	96
60) Dibromochloromethane	11.14	129	126627	54.137	ug/l	99
61) 1,2-Dibromoethane	11.25	107	90908	52.112	ug/l	99
64) Tetrachloroethene	10.88	164	122835	47.689	ug/l	97
65) Chlorobenzene	11.67	112	357216	50.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	134740	51.270	ug/l	100
67) Ethyl Benzene	11.75	91	641501	51.254	ug/l	97
68) m/p-Xylenes	11.86	106	494146	103.371	ug/l	99
69) o-Xylene	12.18	106	227418	51.104	ug/l	96
70) Styrene	12.20	104	394413	51.934	ug/l	100
71) Bromoform	12.37	173	72600	50.053	ug/l #	99
73) Isopropylbenzene	12.48	105	621378	49.329	ug/l	99
74) N-amyl acetate	12.30	43	137601	47.048	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	101555	50.937	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	62485m	44.622	ug/l	
77) Bromobenzene	12.77	156	152127	50.104	ug/l	99
78) n-propylbenzene	12.83	91	737747	50.137	ug/l	98
79) 2-Chlorotoluene	12.91	91	410047	50.364	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	514218	49.543	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	33678	47.183	ug/l	95
82) 4-Chlorotoluene	13.01	91	430759	50.184	ug/l	100
83) tert-Butylbenzene	13.23	119	453745	49.301	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	519103	50.714	ug/l	99
85) sec-Butylbenzene	13.41	105	622640	49.718	ug/l	100
86) p-Isopropyltoluene	13.52	119	572645	49.747	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	284439	49.948	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	280191	49.396	ug/l	99
89) n-Butylbenzene	13.85	91	543827	50.523	ug/l	98
90) Hexachloroethane	14.12	117	109475	48.612	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	248416	50.432	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16205	48.605	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	175251	46.769	ug/l	99
94) Hexachlorobutadiene	15.27	225	103438	46.043	ug/l	99
95) Naphthalene	15.41	128	295360	47.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	150924	47.240	ug/l	100

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

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