

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065170.D
 Acq On : 13 Feb 2020 10:08
 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
 2/14/2020 4:17:47 PM

Quant Time: Feb 14 07:21:48 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	481093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	683169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	622602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	213167	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.92	113	223036	58.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.02%	
50) Toluene-d8	10.34	98	875783	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
62) 4-Bromofluorobenzene	12.64	95	272882	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	205067	51.222	ug/l	100
3) Chloromethane	2.21	50	246984	52.408	ug/l	94
4) Vinyl Chloride	2.35	62	258364	51.838	ug/l	99
5) Bromomethane	2.77	94	150472	46.562	ug/l	99
6) Chloroethane	2.93	64	158972	51.420	ug/l	96
7) Trichlorofluoromethane	3.27	101	378189	52.140	ug/l	95
8) Diethyl Ether	3.70	74	101386	48.691	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	230259	51.929	ug/l	99
10) Methyl Iodide	4.30	142	246615	48.728	ug/l	98
11) Tert butyl alcohol	5.25	59	52012	208.193	ug/l	99
12) 1,1-Dichloroethene	4.06	96	216868	51.068	ug/l	95
13) Acrolein	3.93	56	77107	250.935	ug/l	100
14) Allyl chloride	4.71	41	354297	50.198	ug/l	97
15) Acrylonitrile	5.43	53	226048	248.311	ug/l	99
16) Acetone	4.17	43	283531	277.349	ug/l	98
17) Carbon Disulfide	4.40	76	700586	51.381	ug/l	99
18) Methyl Acetate	4.73	43	104729	49.034	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	445450	47.434	ug/l	96
20) Methylene Chloride	4.97	84	234743	52.334	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	247180	51.446	ug/l	95
22) Diisopropyl ether	6.37	45	703205	52.821	ug/l	97
23) Vinyl Acetate	6.31	43	1907037	257.000	ug/l	100
24) 1,1-Dichloroethane	6.27	63	420627	52.199	ug/l	98
25) 2-Butanone	7.22	43	318020	260.791	ug/l	98
26) 2,2-Dichloropropane	7.21	77	379859	52.593	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	257800	50.506	ug/l	99
28) Bromochloromethane	7.55	49	164516	53.858	ug/l	100
29) Tetrahydrofuran	7.57	42	179031	242.774	ug/l	100
30) Chloroform	7.71	83	421606	52.546	ug/l	99
31) Cyclohexane	7.98	56	399480	49.112	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	390109	52.195	ug/l	99
36) 1,1-Dichloropropene	8.11	75	344976	54.306	ug/l	99
37) Ethyl Acetate	7.30	43	129135	49.759	ug/l	98
38) Carbon Tetrachloride	8.10	117	351817	54.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	419834	53.544	ug/l	99
40) Benzene	8.35	78	956158	54.506	ug/l	100
41) Methacrylonitrile	7.53	41	76340	53.394	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	254465	50.909	ug/l	98
43) Isopropyl Acetate	8.46	43	245331	49.418	ug/l	98
44) Trichloroethene	9.11	130	262170	52.067	ug/l	98
45) 1,2-Dichloropropane	9.39	63	236530	56.238	ug/l	99
46) Dibromomethane	9.48	93	119104	53.890	ug/l	97
47) Bromodichloromethane	9.67	83	323125	55.487	ug/l	99
48) Methyl methacrylate	9.46	41	125173	52.398	ug/l	95
49) 1,4-Dioxane	9.47	88	27699	1058.139	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	636811	260.606	ug/l	98
52) Toluene	10.41	92	620791	55.447	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	298854	52.709	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	360351	53.140	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	163057	53.788	ug/l	98
56) Ethyl methacrylate	10.67	69	199259	51.949	ug/l	98
57) 1,3-Dichloropropane	10.95	76	282562	53.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	286512	229.642	ug/l	99
59) 2-Hexanone	10.99	43	507369	293.134	ug/l	99
60) Dibromochloromethane	11.14	129	216398	55.112	ug/l	99
61) 1,2-Dibromoethane	11.26	107	156294	52.764	ug/l	99
64) Tetrachloroethene	10.88	164	225496	50.405	ug/l	98
65) Chlorobenzene	11.68	112	634018	52.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	237224	53.375	ug/l	99
67) Ethyl Benzene	11.75	91	1167226	53.351	ug/l	99
68) m/p-Xylenes	11.86	106	906500	108.559	ug/l	98
69) o-Xylene	12.19	106	399218	53.090	ug/l	100
70) Styrene	12.20	104	709932	54.321	ug/l	99
71) Bromoform	12.37	173	124513	52.049	ug/l #	99
73) Isopropylbenzene	12.48	105	1097687	52.573	ug/l	100
74) N-amyl acetate	12.30	43	221013	48.701	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172715	52.560	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	98135m	42.610	ug/l	
77) Bromobenzene	12.77	156	253974	50.487	ug/l	99
78) n-propylbenzene	12.83	91	1321934	54.064	ug/l	99
79) 2-Chlorotoluene	12.91	91	718896	52.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	904986	52.981	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56768	49.295	ug/l	97
82) 4-Chlorotoluene	13.01	91	753698	52.654	ug/l	100
83) tert-Butylbenzene	13.23	119	786998	53.404	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	898964	53.011	ug/l	100
85) sec-Butylbenzene	13.41	105	1089123	54.112	ug/l	100
86) p-Isopropyltoluene	13.53	119	1008060	53.905	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	493199	52.364	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	482730	51.495	ug/l	99
89) n-Butylbenzene	13.86	91	940157	54.468	ug/l	99
90) Hexachloroethane	14.13	117	191100	53.966	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	420481	52.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25425	47.397	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	282844	49.054	ug/l	98
94) Hexachlorobutadiene	15.28	225	181511	51.196	ug/l	99
95) Naphthalene	15.41	128	453285	47.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	240785	48.820	ug/l	97

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

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