

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065734.D
 Acq On : 14 May 2020 10:13
 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 15 06:10:34 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	7.98	168	372622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	547104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230892	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	147782	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	7.91	113	158212	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	
50) Toluene-d8	10.34	98	608213	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	201748	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	128450	52.542	ug/l	98
3) Chloromethane	2.21	50	175005	49.947	ug/l	98
4) Vinyl Chloride	2.35	62	197195	51.977	ug/l	98
5) Bromomethane	2.77	94	123209	49.152	ug/l	98
6) Chloroethane	2.92	64	125596	51.039	ug/l	99
7) Trichlorofluoromethane	3.27	101	269417	51.367	ug/l	96
8) Diethyl Ether	3.71	74	71708	47.582	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	164700	51.087	ug/l	99
10) Methyl Iodide	4.30	142	157997	46.914	ug/l	99
11) Tert butyl alcohol	5.22	59	51011	201.509	ug/l	99
12) 1,1-Dichloroethene	4.06	96	155690	50.916	ug/l	96
13) Acrolein	3.92	56	44371	269.060	ug/l	95
14) Allyl chloride	4.71	41	259688	49.118	ug/l	99
15) Acrylonitrile	5.42	53	154477	232.028	ug/l	99
16) Acetone	4.16	43	174059	282.598	ug/l	100
17) Carbon Disulfide	4.40	76	481950	49.903	ug/l	100
18) Methyl Acetate	4.71	43	68175	47.204	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	335310	47.003	ug/l	98
20) Methylene Chloride	4.96	84	161940	46.604	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	174436	49.547	ug/l	97
22) Diisopropyl ether	6.36	45	485639	48.248	ug/l	93
23) Vinyl Acetate	6.30	43	1434709	242.340	ug/l	98
24) 1,1-Dichloroethane	6.26	63	293147	49.742	ug/l	100
25) 2-Butanone	7.21	43	215957	245.280	ug/l	97
26) 2,2-Dichloropropane	7.21	77	277328	50.701	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	186706	48.393	ug/l	99
28) Bromochloromethane	7.54	49	119640	49.376	ug/l	100
29) Tetrahydrofuran	7.56	42	128521	230.232	ug/l	99
30) Chloroform	7.71	83	290887	48.839	ug/l	97
31) Cyclohexane	7.98	56	286802	48.076	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	281513	50.457	ug/l	97
36) 1,1-Dichloropropene	8.11	75	242703	51.082	ug/l	99
37) Ethyl Acetate	7.29	43	92718	45.551	ug/l	97
38) Carbon Tetrachloride	8.10	117	265872	52.759	ug/l	99

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39) Methylcyclohexane	9.36	83	311735	51.197	ug/l	99
40) Benzene	8.35	78	653735	50.037	ug/l	99
41) Methacrylonitrile	7.53	41	56686	50.567	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	179565	49.361	ug/l	99
43) Isopropyl Acetate	8.45	43	190823	47.299	ug/l	100
44) Trichloroethene	9.11	130	196037	50.120	ug/l	99
45) 1,2-Dichloropropane	9.39	63	161496	50.134	ug/l	96
46) Dibromomethane	9.47	93	83389	48.008	ug/l	99
47) Bromodichloromethane	9.66	83	224309	49.336	ug/l	93
48) Methyl methacrylate	9.46	41	93254	49.243	ug/l	97
49) 1,4-Dioxane	9.46	88	19034	928.732	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	452227	234.234	ug/l	100
52) Toluene	10.41	92	427399	49.934	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	217427	48.951	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	261240	49.447	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115483	48.804	ug/l	94
56) Ethyl methacrylate	10.66	69	147944	47.971	ug/l	96
57) 1,3-Dichloropropane	10.95	76	198080	48.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	347498	242.190	ug/l	100
59) 2-Hexanone	10.99	43	329297	250.467	ug/l	98
60) Dibromochloromethane	11.14	129	156304	49.327	ug/l	99
61) 1,2-Dibromoethane	11.25	107	113924	48.206	ug/l	100
64) Tetrachloroethene	10.88	164	168528	51.479	ug/l	96
65) Chlorobenzene	11.67	112	445751	49.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	168858	50.555	ug/l	99
67) Ethyl Benzene	11.75	91	824606	51.838	ug/l	98
68) m/p-Xylenes	11.86	106	629509	103.613	ug/l	100
69) o-Xylene	12.18	106	287295	50.796	ug/l	96
70) Styrene	12.20	104	489077	50.670	ug/l	100
71) Bromoform	12.37	173	93718	50.838	ug/l #	100
73) Isopropylbenzene	12.48	105	805834	51.987	ug/l	100
74) N-amyl acetate	12.29	43	175794	48.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	119605	48.751	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	93941m	54.517	ug/l	
77) Bromobenzene	12.77	156	187138	50.087	ug/l	98
78) n-propylbenzene	12.83	91	938051	51.806	ug/l	100
79) 2-Chlorotoluene	12.91	91	510825	50.987	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	653169	51.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	43717	49.772	ug/l	97
82) 4-Chlorotoluene	13.01	91	536007	50.746	ug/l	99
83) tert-Butylbenzene	13.23	119	584719	51.629	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	640307	50.835	ug/l	100
85) sec-Butylbenzene	13.41	105	800915	51.972	ug/l	100
86) p-Isopropyltoluene	13.52	119	747178	52.749	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	351883	50.214	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	348824	49.975	ug/l	99
89) n-Butylbenzene	13.85	91	699768	52.831	ug/l	99
90) Hexachloroethane	14.12	117	143968	51.951	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	300915	49.645	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18916	46.107	ug/l	96

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93) 1,2,4-Trichlorobenzene	15.17	180	230956	50.088	ug/l	98
94) Hexachlorobutadiene	15.28	225	146264	52.908	ug/l	98
95) Naphthalene	15.41	128	374013	48.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	194716	49.528	ug/l	99

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

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