

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065672.D
 Acq On : 24 Apr 2020 12:34
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 24 14:28:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	187157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	268430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	250430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134242	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	19962	10.28	ug/l	0.00
Spiked Amount			Recovery	=	20.56%	
35) Dibromofluoromethane	7.92	113	19038	10.18	ug/l	0.00
Spiked Amount			Recovery	=	20.36%	
50) Toluene-d8	10.34	98	66167	10.15	ug/l	0.00
Spiked Amount			Recovery	=	20.30%	
62) 4-Bromofluorobenzene	12.64	95	20925	9.93	ug/l	0.00
Spiked Amount			Recovery	=	19.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	17299	10.303	ug/l	92
3) Chloromethane	2.21	50	22323	10.619	ug/l	99
4) Vinyl Chloride	2.35	62	23535	10.134	ug/l	97
5) Bromomethane	2.77	94	14870	10.448	ug/l	95
6) Chloroethane	2.92	64	14799	10.502	ug/l	97
7) Trichlorofluoromethane	3.27	101	34229	10.505	ug/l	99
8) Diethyl Ether	3.71	74	9849	10.395	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	20205	10.435	ug/l	99
10) Methyl Iodide	4.30	142	12011	9.368	ug/l	99
11) Tert butyl alcohol	5.26	59	4354	51.604	ug/l #	87
12) 1,1-Dichloroethene	4.05	96	19931	10.336	ug/l	97
13) Acrolein	3.93	56	6652	48.280	ug/l	99
14) Allyl chloride	4.71	41	25580	10.117	ug/l	98
15) Acrylonitrile	5.43	53	18702	53.779	ug/l	97
16) Acetone	4.16	43	23336	51.882	ug/l	97
17) Carbon Disulfide	4.39	76	52554	10.354	ug/l	100
18) Methyl Acetate	4.73	43	10015	10.322	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	31056	10.029	ug/l	98
20) Methylene Chloride	4.96	84	20540	10.487	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	18407	10.256	ug/l	92
22) Diisopropyl ether	6.37	45	53308	10.424	ug/l	94
23) Vinyl Acetate	6.31	43	137980	50.740	ug/l	97
24) 1,1-Dichloroethane	6.27	63	36613	10.743	ug/l	97
25) 2-Butanone	7.23	43	25464	53.685	ug/l	97
26) 2,2-Dichloropropane	7.21	77	33599	10.589	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	19868	10.384	ug/l	97
28) Bromochloromethane	7.55	49	14229	10.172	ug/l	97
29) Tetrahydrofuran	7.57	42	14876	52.780	ug/l	100
30) Chloroform	7.71	83	39266	10.791	ug/l	100
31) Cyclohexane	7.98	56	32993	10.258	ug/l #	88
32) 1,1,1-Trichloroethane	7.90	97	35524	10.735	ug/l	99
36) 1,1-Dichloropropene	8.11	75	29795	10.522	ug/l	98
37) Ethyl Acetate	7.30	43	10736	9.761	ug/l	97
38) Carbon Tetrachloride	8.10	117	34551	10.619	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	28703	9.857	ug/l	91
40) Benzene	8.36	78	79966	10.284	ug/l	100
41) Methacrylonitrile	7.54	41	5686	9.928	ug/l #	97
42) 1,2-Dichloroethane	8.43	62	25590	10.490	ug/l	100
43) Isopropyl Acetate	8.46	43	21157	10.554	ug/l #	81
44) Trichloroethene	9.11	130	22889	10.411	ug/l	98
45) 1,2-Dichloropropane	9.39	63	20839	10.518	ug/l	92
46) Dibromomethane	9.48	93	10964	10.676	ug/l	98
47) Bromodichloromethane	9.67	83	29263	10.371	ug/l	93
48) Methyl methacrylate	9.46	41	9949	10.217	ug/l	97
49) 1,4-Dioxane	9.47	88	2301	215.131	ug/l	99
51) 4-Methyl-2-Pentanone	10.24	43	53741	52.284	ug/l	99
52) Toluene	10.41	92	49435	10.471	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	24880	10.452	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	30051	10.422	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	15195	10.558	ug/l	98
56) Ethyl methacrylate	10.67	69	13205	9.836	ug/l	97
57) 1,3-Dichloropropane	10.95	76	25054	10.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	35605	49.518	ug/l	99
59) 2-Hexanone	10.99	43	35971	51.600	ug/l	99
60) Dibromochloromethane	11.14	129	20505	10.671	ug/l	96
61) 1,2-Dibromoethane	11.25	107	14082	10.642	ug/l	96
64) Tetrachloroethene	10.88	164	20404	10.597	ug/l	95
65) Chlorobenzene	11.68	112	56006	10.503	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	21621	10.494	ug/l	100
67) Ethyl Benzene	11.75	91	86886	10.097	ug/l	100
68) m/p-Xylenes	11.86	106	69161	20.629	ug/l	96
69) o-Xylene	12.19	106	28500	10.144	ug/l	93
70) Styrene	12.20	104	50767	9.977	ug/l	99
71) Bromoform	12.37	173	12585	10.923	ug/l #	100
73) Isopropylbenzene	12.48	105	77457	9.891	ug/l	99
74) N-amyl acetate	12.30	43	18063	10.234	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	16699	10.598	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	9529m	8.021	ug/l	
77) Bromobenzene	12.77	156	22186	10.229	ug/l	99
78) n-propylbenzene	12.83	91	99116	10.081	ug/l	99
79) 2-Chlorotoluene	12.91	91	59609	10.454	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	67903	10.114	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	4871	10.234	ug/l	96
82) 4-Chlorotoluene	13.01	91	65412	10.552	ug/l	100
83) tert-Butylbenzene	13.23	119	53738	9.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	67852	10.199	ug/l	100
85) sec-Butylbenzene	13.41	105	81766	10.284	ug/l	99
86) p-Isopropyltoluene	13.53	119	74604	10.018	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	44723	10.428	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	45814	10.546	ug/l	97
89) n-Butylbenzene	13.86	91	66810	9.689	ug/l	99
90) Hexachloroethane	14.12	117	18537	10.560	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	38161	10.266	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2634	10.710	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	23295	10.006	ug/l	98
94) Hexachlorobutadiene	15.28	225	18625	10.334	ug/l	98
95) Naphthalene	15.41	128	31839	9.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	20870	9.985	ug/l	98

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

