

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042420\
 Data File : VD065671.D
 Acq On : 24 Apr 2020 12:06
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 24 14:29:46 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	173744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	255113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	236625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	10385	5.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	11.52%	
35) Dibromofluoromethane	7.92	113	9357	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
50) Toluene-d8	10.34	98	29442	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	
62) 4-Bromofluorobenzene	12.64	95	9600	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	7513	4.820	ug/l 93
3) Chloromethane	2.21	50	9627	4.933	ug/l 95
4) Vinyl Chloride	2.35	62	11051	5.126	ug/l 97
5) Bromomethane	2.77	94	7267	5.500	ug/l 96
6) Chloroethane	2.93	64	6630	5.068	ug/l 96
7) Trichlorofluoromethane	3.27	101	16132	5.333	ug/l 87
8) Diethyl Ether	3.71	74	4677	5.318	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	4.08	101	9735	5.416	ug/l 99
10) Methyl Iodide	4.29	142	4968	4.174	ug/l # 97
11) Tert butyl alcohol	5.26	59	1966	25.100	ug/l # 73
12) 1,1-Dichloroethene	4.06	96	9877	5.518	ug/l 95
13) Acrolein	3.92	56	3608	28.208	ug/l 98
14) Allyl chloride	4.70	41	11183	4.764	ug/l 99
15) Acrylonitrile	5.43	53	7034	21.788	ug/l 98
16) Acetone	4.16	43	13412	32.120	ug/l # 89
17) Carbon Disulfide	4.39	76	23889	5.070	ug/l 98
18) Methyl Acetate	4.72	43	4619	5.128	ug/l 93
19) Methyl tert-butyl Ether	5.49	73	12377	4.306	ug/l 98
20) Methylene Chloride	4.95	84	9664	5.315	ug/l 93
21) trans-1,2-Dichloroethene	5.46	96	7748	4.650	ug/l 93
22) Diisopropyl ether	6.37	45	19192	4.043	ug/l # 91
23) Vinyl Acetate	6.31	43	50275m	19.915	ug/l
24) 1,1-Dichloroethane	6.26	63	15258	4.823	ug/l 95
25) 2-Butanone	7.22	43	10460	23.755	ug/l 92
26) 2,2-Dichloropropane	7.21	77	15776	5.356	ug/l 97
27) cis-1,2-Dichloroethene	7.21	96	8484	4.777	ug/l 93
28) Bromochloromethane	7.55	49	6827	5.257	ug/l # 98
29) Tetrahydrofuran	7.57	42	5559	21.246	ug/l 95
30) Chloroform	7.71	83	17748	5.254	ug/l 99
31) Cyclohexane	7.98	56	16642	5.574	ug/l # 79
32) 1,1,1-Trichloroethane	7.90	97	16188	5.270	ug/l 98
36) 1,1-Dichloropropene	8.11	75	12817	4.762	ug/l 99
37) Ethyl Acetate	7.30	43	5129	4.907	ug/l # 87
38) Carbon Tetrachloride	8.10	117	15857	5.128	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	12482	4.510	ug/l	90
40) Benzene	8.35	78	35716	4.833	ug/l	96
41) Methacrylonitrile	7.54	41	2604	4.784	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	11614	5.009	ug/l	98
43) Isopropyl Acetate	8.46	43	8483	4.452	ug/l	94
44) Trichloroethene	9.11	130	10370	4.963	ug/l	82
45) 1,2-Dichloropropane	9.39	63	8972	4.765	ug/l	90
46) Dibromomethane	9.48	93	4656	4.770	ug/l	100
47) Bromodichloromethane	9.67	83	13328	4.970	ug/l #	89
48) Methyl methacrylate	9.46	41	4352	4.703	ug/l	90
49) 1,4-Dioxane	9.47	88	783	77.028	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	20008	20.482	ug/l	99
52) Toluene	10.40	92	19429	4.330	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	10090	4.460	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	12332	4.500	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	6641	4.855	ug/l	94
56) Ethyl methacrylate	10.67	69	4885	3.829	ug/l	93
57) 1,3-Dichloropropane	10.95	76	10539	4.647	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	14147	20.702	ug/l	100
59) 2-Hexanone	10.99	43	13660	20.618	ug/l	94
60) Dibromochloromethane	11.14	129	8981	4.918	ug/l	95
61) 1,2-Dibromoethane	11.25	107	5823	4.630	ug/l	91
64) Tetrachloroethene	10.88	164	9039	4.968	ug/l	96
65) Chlorobenzene	11.67	112	25212	5.004	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	9749	5.008	ug/l	97
67) Ethyl Benzene	11.75	91	35786	4.401	ug/l	100
68) m/p-Xylenes	11.86	106	25968	8.197	ug/l	97
69) o-Xylene	12.18	106	11036	4.157	ug/l	96
70) Styrene	12.20	104	18956	3.943	ug/l	97
71) Bromoform	12.36	173	5196	4.773	ug/l #	98
73) Isopropylbenzene	12.48	105	30433	4.335	ug/l	99
74) N-amyl acetate	12.30	43	6928	4.378	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	7150	5.061	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	5045m	4.737	ug/l	
77) Bromobenzene	12.77	156	9343	4.805	ug/l	97
78) n-propylbenzene	12.83	91	37981	4.309	ug/l	99
79) 2-Chlorotoluene	12.91	91	23223	4.543	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	24263	4.031	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	1754	4.111	ug/l	87
82) 4-Chlorotoluene	13.01	91	24440	4.398	ug/l	97
83) tert-Butylbenzene	13.23	119	20742	4.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	23654	3.966	ug/l	99
85) sec-Butylbenzene	13.41	105	30448	4.271	ug/l	98
86) p-Isopropyltoluene	13.53	119	27412	4.106	ug/l	95
87) 1,3-Dichlorobenzene	13.53	146	18454	4.800	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	19596	5.031	ug/l	89
89) n-Butylbenzene	13.86	91	28166	4.556	ug/l	98
90) Hexachloroethane	14.13	117	8149	5.178	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	16438	4.932	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1088	4.935	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	9291	4.451	ug/l	98
94) Hexachlorobutadiene	15.28	225	8109	5.018	ug/l	97
95) Naphthalene	15.42	128	11870	4.119	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	8911	4.755	ug/l	98

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

