

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
 Data File : VD075336.D
 Acq On : 14 Feb 2023 11:53
 Operator : KP/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Quant Time: Feb 15 03:30:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	48558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	80324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	73419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	37476	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	27741	48.721	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.440%
35) Dibromofluoromethane	7.804	113	28440	50.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.980%
50) Toluene-d8	10.269	98	100491	47.047	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.100%
62) 4-Bromofluorobenzene	12.575	95	33765	47.941	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.880%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.928	85	9610	22.621	ug/l 91
3) Chloromethane	2.146	50	14998	18.807	ug/l 95
4) Vinyl Chloride	2.281	62	15249	18.876	ug/l 96
5) Bromomethane	2.687	94	10166	19.668	ug/l 99
6) Chloroethane	2.834	64	11054	19.835	ug/l 95
7) Trichlorofluoromethane	3.175	101	20779	20.687	ug/l 94
8) Diethyl Ether	3.593	74	5331	19.743	ug/l 98
9) 1,1,2-Trichlorotrifluo...	3.969	101	11650	20.439	ug/l 98
10) Methyl Iodide	4.163	142	11474	18.318	ug/l 92
11) Tert butyl alcohol	5.045	59	2831	76.343	ug/l # 89
12) 1,1-Dichloroethene	3.946	96	10808	19.887	ug/l 94
13) Acrolein	3.793	56	2352	110.797	ug/l 89
14) Allyl chloride	4.569	41	17832	19.720	ug/l 93
15) Acrylonitrile	5.251	53	12359	93.575	ug/l 95
16) Acetone	4.022	43	13764	91.421	ug/l 92
17) Carbon Disulfide	4.275	76	30182	18.001	ug/l 100
18) Methyl Acetate	4.563	43	8961	20.714	ug/l 97
19) Methyl tert-butyl Ether	5.328	73	24563	19.686	ug/l 93
20) Methylene Chloride	4.798	84	15489	20.907	ug/l 98
21) trans-1,2-Dichloroethene	5.310	96	12239	19.901	ug/l 93
22) Diisopropyl ether	6.222	45	37238	20.704	ug/l # 93
23) Vinyl Acetate	6.157	43	60026m	109.734	ug/l
24) 1,1-Dichloroethane	6.110	63	23176	20.668	ug/l 98
25) 2-Butanone	7.087	43	16581	88.882	ug/l 92
26) 2,2-Dichloropropane	7.081	77	20263	20.415	ug/l 97
27) cis-1,2-Dichloroethene	7.075	96	13837	20.110	ug/l 96
28) Bromochloromethane	7.434	49	6646	21.492	ug/l # 93
29) Tetrahydrofuran	7.451	42	10022	99.766	ug/l 95
30) Chloroform	7.598	83	23660	20.500	ug/l 94
31) Cyclohexane	7.881	56	18486	18.284	ug/l 95
32) 1,1,1-Trichloroethane	7.798	97	21139	20.476	ug/l 96
36) 1,1-Dichloropropene	8.010	75	16588	18.906	ug/l 98
37) Ethyl Acetate	7.163	43	7682	20.076	ug/l # 94
38) Carbon Tetrachloride	7.987	117	17433	21.443	ug/l # 96
39) Methylcyclohexane	9.275	83	18638	18.353	ug/l 95
40) Benzene	8.251	78	49814	20.201	ug/l 95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	4762	20.862	ug/l #	80
42) 1,2-Dichloroethane	8.328	62	14662	20.537	ug/l	98
43) Isopropyl Acetate	8.363	43	14198	19.418	ug/l	98
44) Trichloroethene	9.034	130	13051	19.200	ug/l	95
45) 1,2-Dichloropropane	9.304	63	12255	19.569	ug/l	90
46) Dibromomethane	9.398	93	6885	19.839	ug/l	98
47) Bromodichloromethane	9.586	83	17927	20.755	ug/l	97
48) Methyl methacrylate	9.381	41	6315	18.187	ug/l #	92
49) 1,4-Dioxane	9.386	88	1293	401.843	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	35968	97.305	ug/l	95
52) Toluene	10.333	92	30959	19.933	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	15244	20.375	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	17335	19.380	ug/l	95
55) 1,1,2-Trichloroethane	10.733	97	9502	21.448	ug/l	96
56) Ethyl methacrylate	10.604	69	9829	19.084	ug/l	90
57) 1,3-Dichloropropane	10.886	76	15652	20.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	12976	97.599	ug/l	99
59) 2-Hexanone	10.922	43	25074	92.848	ug/l	93
60) Dibromochloromethane	11.080	129	12400	22.591	ug/l	92
61) 1,2-Dibromoethane	11.180	107	8660	20.273	ug/l	97
64) Tetrachloroethene	10.816	164	11123	19.671	ug/l	93
65) Chlorobenzene	11.610	112	33448	20.201	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.686	131	12479	20.701	ug/l	97
67) Ethyl Benzene	11.686	91	58540	19.151	ug/l	98
68) m/p-Xylenes	11.792	106	46386	39.893	ug/l	100
69) o-Xylene	12.122	106	20989	19.325	ug/l	98
70) Styrene	12.139	104	36733	19.965	ug/l	98
71) Bromoform	12.298	173	6258	19.327	ug/l #	98
73) Isopropylbenzene	12.422	105	56440	18.590	ug/l	100
74) N-amyl acetate	12.239	43	12281	18.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	10452	19.788	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	6812m	16.003	ug/l	
77) Bromobenzene	12.704	156	13605	19.790	ug/l	96
78) n-propylbenzene	12.769	91	73190	19.374	ug/l	99
79) 2-Chlorotoluene	12.851	91	40333	19.465	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	49143	19.440	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.475	75	2141	17.737	ug/l #	77
82) 4-Chlorotoluene	12.951	91	41995	19.428	ug/l	99
83) tert-Butylbenzene	13.169	119	40300	18.492	ug/l	98
84) 1,2,4-Trimethylbenzene	13.216	105	49144	19.464	ug/l	96
85) sec-Butylbenzene	13.351	105	63727	19.061	ug/l	99
86) p-Isopropyltoluene	13.463	119	53364	19.513	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	27979	20.136	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	27617	19.863	ug/l	99
89) n-Butylbenzene	13.792	91	50529	18.925	ug/l	98
90) Hexachloroethane	14.057	117	10771	19.977	ug/l	91
91) 1,2-Dichlorobenzene	13.833	146	24112	19.999	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1700	20.751	ug/l	83
93) 1,2,4-Trichlorobenzene	15.104	180	14268	18.895	ug/l	97
94) Hexachlorobutadiene	15.210	225	8150	20.458	ug/l	97
95) Naphthalene	15.333	128	26113	18.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	12228	18.769	ug/l	97

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

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