

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075508.D
 Acq On : 13 Mar 2023 14:40
 Operator : KP/SY
 Sample : 01627-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 06:13:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 14 06:13:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	104436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	179314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	159096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	70897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52819	55.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.480%
35) Dibromofluoromethane	7.810	113	67305	54.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.600%
50) Toluene-d8	10.269	98	263819	54.377	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.760%
62) 4-Bromofluorobenzene	12.575	95	68178	48.611	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.220%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	3012	2.892	ug/l	94
3) Chloromethane	2.146	50	5194	3.013	ug/l #	83
4) Vinyl Chloride	2.287	62	6779	2.705	ug/l	93
5) Bromomethane	2.699	94	6182	3.148	ug/l	96
6) Chloroethane	2.840	64	4713	2.807	ug/l #	83
7) Trichlorofluoromethane	3.175	101	5388	2.667	ug/l	99
8) Diethyl Ether	3.599	74	1385	2.568	ug/l	56
9) 1,1,2-Trichlorotrifluo...	3.969	101	3602	2.740	ug/l #	68
10) Methyl Iodide	4.163	142	3527	2.249	ug/l #	70
11) Tert butyl alcohol	5.057	59	238	5.439	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	3384m	2.607	ug/l	
13) Acrolein	3.799	56	1096	12.587	ug/l #	76
14) Allyl chloride	4.563	41	2556	2.289	ug/l #	71
15) Acrylonitrile	5.269	53	2432m	12.299	ug/l	
16) Acetone	4.016	43	2351	13.327	ug/l	98
17) Carbon Disulfide	4.269	76	10674	2.725	ug/l	99
18) Methyl Acetate	4.569	43	1138	2.268	ug/l #	79
19) Methyl tert-butyl Ether	5.322	73	5199	2.310	ug/l	93
20) Methylene Chloride	4.810	84	12638	7.481	ug/l #	71
21) trans-1,2-Dichloroethene	5.316	96	3831	2.596	ug/l #	53
22) Diisopropyl ether	6.216	45	5582	2.306	ug/l #	82
23) Vinyl Acetate	6.157	43	12397	10.553	ug/l #	74
24) 1,1-Dichloroethane	6.110	63	5445	2.597	ug/l #	91
25) 2-Butanone	7.087	43	3181	14.396	ug/l #	58
26) 2,2-Dichloropropane	7.081	77	5648	2.929	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	3885	2.457	ug/l	89
28) Bromochloromethane	7.422	49	1551	2.295	ug/l #	52
29) Tetrahydrofuran	7.439	42	1093	9.088	ug/l #	48
30) Chloroform	7.592	83	6054	2.600	ug/l	89
31) Cyclohexane	7.875	56	5600	3.318	ug/l #	59
32) 1,1,1-Trichloroethane	7.798	97	5248	2.570	ug/l	98
36) 1,1-Dichloropropene	8.010	75	4342	2.386	ug/l	96
37) Ethyl Acetate	7.175	43	1161	2.448	ug/l #	80
38) Carbon Tetrachloride	7.998	117	4044	2.319	ug/l	93
39) Methylcyclohexane	9.281	83	5393	2.350	ug/l #	80
40) Benzene	8.251	78	13550	2.484	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	359	1.437	ug/l #	36
42) 1,2-Dichloroethane	8.328	62	3199	2.664	ug/l	80
43) Isopropyl Acetate	8.363	43	2054	2.341	ug/l #	58
44) Trichloroethene	9.028	130	3901	2.434	ug/l	78
45) 1,2-Dichloropropane	9.304	63	2915	2.486	ug/l #	82
46) Dibromomethane	9.392	93	1760	2.435	ug/l	95
47) Bromodichloromethane	9.581	83	4610	2.634	ug/l	91
48) Methyl methacrylate	9.381	41	791	1.919	ug/l #	56
49) 1,4-Dioxane	9.369	88	120	18.305	ug/l #	21
51) 4-Methyl-2-Pentanone	10.157	43	5043	11.051	ug/l	90
52) Toluene	10.339	92	8874	2.511	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	3810	2.420	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	4665	2.413	ug/l #	77
55) 1,1,2-Trichloroethane	10.739	97	2727	2.666	ug/l #	91
56) Ethyl methacrylate	10.604	69	2221	2.280	ug/l #	63
57) 1,3-Dichloropropane	10.880	76	3924	2.492	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	4752	9.968	ug/l #	87
59) 2-Hexanone	10.922	43	3429	10.625	ug/l	87
60) Dibromochloromethane	11.075	129	2870	2.374	ug/l	100
61) 1,2-Dibromoethane	11.186	107	2354	2.443	ug/l	99
64) Tetrachloroethene	10.810	164	3348	2.667	ug/l	94
65) Chlorobenzene	11.610	112	9870	2.616	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.686	131	3122	2.415	ug/l	95
67) Ethyl Benzene	11.686	91	14228	2.190	ug/l	97
68) m/p-Xylenes	11.792	106	10970	4.200	ug/l	98
69) o-Xylene	12.122	106	4847	1.998	ug/l	99
70) Styrene	12.139	104	7876	1.952	ug/l	93
71) Bromoform	12.304	173	1710	2.591	ug/l #	93
73) Isopropylbenzene	12.422	105	12685	2.234	ug/l	98
74) N-amyl acetate	12.245	43	1613	2.293	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.680	83	2646	2.748	ug/l #	92
76) 1,2,3-Trichloropropane	12.727	75	1450m	2.494	ug/l	
77) Bromobenzene	12.704	156	3455	2.560	ug/l	93
78) n-propylbenzene	12.769	91	17255	2.501	ug/l	100
79) 2-Chlorotoluene	12.851	91	9784	2.617	ug/l	96
80) 1,3,5-Trimethylbenzene	12.910	105	10247	2.201	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.480	75	452m	1.635	ug/l	
82) 4-Chlorotoluene	12.951	91	9484	2.459	ug/l	99
83) tert-Butylbenzene	13.174	119	9107	2.251	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	9218	2.049	ug/l	88
85) sec-Butylbenzene	13.351	105	14068	2.246	ug/l	94
86) p-Isopropyltoluene	13.463	119	10617	2.074	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	7282	2.610	ug/l	95
88) 1,4-Dichlorobenzene	13.545	146	7319	2.652	ug/l	93
89) n-Butylbenzene	13.792	91	10946	2.332	ug/l	96
90) Hexachloroethane	14.057	117	2355	2.383	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	6169	2.613	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	294	2.426	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	3675	2.669	ug/l	91
94) Hexachlorobutadiene	15.204	225	1731	2.636	ug/l	91
95) Naphthalene	15.339	128	6084	2.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.527	180	3081	2.593	ug/l	94

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

