

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075509.D
 Acq On : 13 Mar 2023 15:09
 Operator : KP/SY
 Sample : 01627-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 14 06:22:36 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	7.875	168	98172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	174199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	153928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	70450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51646	57.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.960%	
35) Dibromofluoromethane	7.810	113	64196	53.807	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.620%	
50) Toluene-d8	10.275	98	254508	53.999	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.000%	
62) 4-Bromofluorobenzene	12.575	95	66958	49.143	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.280%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4626	4.725	ug/l	89
3) Chloromethane	2.152	50	7796	4.811	ug/l	95
4) Vinyl Chloride	2.287	62	10893	4.623	ug/l	96
5) Bromomethane	2.699	94	8316	4.505	ug/l	96
6) Chloroethane	2.840	64	7487	4.744	ug/l	98
7) Trichlorofluoromethane	3.175	101	8615	4.537	ug/l	91
8) Diethyl Ether	3.599	74	1942	3.831	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.963	101	5113	4.138	ug/l	98
10) Methyl Iodide	4.169	142	6055	4.108	ug/l #	85
11) Tert butyl alcohol	5.075	59	657	15.972	ug/l #	100
12) 1,1-Dichloroethene	3.946	96	5180	4.245	ug/l	98
13) Acrolein	3.805	56	1640	20.037	ug/l	100
14) Allyl chloride	4.569	41	4114	3.919	ug/l #	84
15) Acrylonitrile	5.252	53	3652	19.647	ug/l	94
16) Acetone	4.022	43	3198	19.286	ug/l	99
17) Carbon Disulfide	4.275	76	16390	4.452	ug/l	98
18) Methyl Acetate	4.575	43	2139	4.536	ug/l #	84
19) Methyl tert-butyl Ether	5.328	73	8802m	4.160	ug/l	
20) Methylene Chloride	4.805	84	13767	8.669	ug/l #	66
21) trans-1,2-Dichloroethene	5.316	96	5613	4.047	ug/l #	71
22) Diisopropyl ether	6.222	45	8786	3.861	ug/l #	90
23) Vinyl Acetate	6.152	43	19950m	18.066	ug/l	
24) 1,1-Dichloroethane	6.122	63	8723	4.426	ug/l	98
25) 2-Butanone	7.087	43	4708	22.666	ug/l	96
26) 2,2-Dichloropropane	7.087	77	8128	4.484	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	6150	4.137	ug/l	85
28) Bromochloromethane	7.422	49	2569	4.043	ug/l #	42
29) Tetrahydrofuran	7.451	42	1952	17.267	ug/l #	57
30) Chloroform	7.598	83	10119	4.623	ug/l	94
31) Cyclohexane	7.881	56	8205	5.171	ug/l #	69
32) 1,1,1-Trichloroethane	7.793	97	8199	4.272	ug/l	97
36) 1,1-Dichloropropene	8.016	75	6969	3.942	ug/l	93
37) Ethyl Acetate	7.181	43	1759	3.818	ug/l #	80
38) Carbon Tetrachloride	7.993	117	6238	3.682	ug/l	99
39) Methylcyclohexane	9.275	83	8448	3.790	ug/l	93
40) Benzene	8.257	78	21622	4.081	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	949	3.909	ug/l #	26
42) 1,2-Dichloroethane	8.334	62	4981	4.270	ug/l	88
43) Isopropyl Acetate	8.369	43	3349	3.929	ug/l #	84
44) Trichloroethene	9.028	130	6104	3.920	ug/l	86
45) 1,2-Dichloropropane	9.304	63	4475	3.929	ug/l #	85
46) Dibromomethane	9.393	93	2873	4.092	ug/l	96
47) Bromodichloromethane	9.587	83	7002	4.119	ug/l	94
48) Methyl methacrylate	9.381	41	1239	3.094	ug/l #	58
49) 1,4-Dioxane	9.393	88	300	47.105	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	7659	17.276	ug/l #	80
52) Toluene	10.334	92	13638	3.972	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	6003	3.925	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	6886	3.666	ug/l #	76
55) 1,1,2-Trichloroethane	10.740	97	4059	4.084	ug/l	92
56) Ethyl methacrylate	10.604	69	3152	3.331	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	6197	4.052	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	7789	16.818	ug/l #	84
59) 2-Hexanone	10.922	43	5092	16.242	ug/l	78
60) Dibromochloromethane	11.081	129	4565	3.888	ug/l	99
61) 1,2-Dibromoethane	11.181	107	3865	4.129	ug/l	95
64) Tetrachloroethene	10.810	164	5110	4.207	ug/l	92
65) Chlorobenzene	11.610	112	14752	4.041	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.687	131	4957	3.964	ug/l	94
67) Ethyl Benzene	11.687	91	22809	3.628	ug/l #	88
68) m/p-Xylenes	11.798	106	17730	7.017	ug/l	92
69) o-Xylene	12.128	106	7929	3.379	ug/l	92
70) Styrene	12.134	104	12596	3.227	ug/l	92
71) Bromoform	12.304	173	2386	3.736	ug/l #	98
73) Isopropylbenzene	12.422	105	20533	3.639	ug/l	99
74) N-amyl acetate	12.234	43	2554	3.654	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	4189	4.378	ug/l #	92
76) 1,2,3-Trichloropropane	12.728	75	2582m	4.469	ug/l	
77) Bromobenzene	12.704	156	5210	3.884	ug/l	90
78) n-propylbenzene	12.769	91	26952	3.932	ug/l	100
79) 2-Chlorotoluene	12.857	91	14784	3.980	ug/l	97
80) 1,3,5-Trimethylbenzene	12.910	105	17424	3.766	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	1240	4.514	ug/l #	58
82) 4-Chlorotoluene	12.951	91	14670	3.827	ug/l	93
83) tert-Butylbenzene	13.169	119	13946	3.468	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	15345	3.432	ug/l	87
85) sec-Butylbenzene	13.345	105	22820	3.666	ug/l	97
86) p-Isopropyltoluene	13.463	119	17867	3.513	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	10835	3.908	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	11184	4.078	ug/l	94
89) n-Butylbenzene	13.786	91	17276	3.703	ug/l	99
90) Hexachloroethane	14.057	117	3747	3.815	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	8976	3.826	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	508	4.219	ug/l	83
93) 1,2,4-Trichlorobenzene	15.104	180	5280	3.859	ug/l	97
94) Hexachlorobutadiene	15.204	225	2506	3.840	ug/l	92
95) Naphthalene	15.339	128	9035	3.597	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	4360	3.693	ug/l	97

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

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