

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076788.D
 Acq On : 19 Jul 2023 14:02
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Jul 20 06:09:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 20 06:07:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	138506	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	264065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	242293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	106883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74384	53.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.840%	
35) Dibromofluoromethane	7.804	113	88831	53.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.060%	
50) Toluene-d8	10.269	98	294678	49.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.575	95	93444	48.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	5084	4.694	ug/l	99
3) Chloromethane	2.146	50	8045	4.306	ug/l	# 85
4) Vinyl Chloride	2.281	62	11006	4.419	ug/l	94
5) Bromomethane	2.687	94	9774	4.770	ug/l	95
6) Chloroethane	2.840	64	8100	4.307	ug/l	95
7) Trichlorofluoromethane	3.175	101	9529	4.300	ug/l	92
8) Diethyl Ether	3.604	74	3423m	4.486	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.963	101	6606	4.535	ug/l	91
10) Methyl Iodide	4.163	142	6593	4.015	ug/l	94
11) Tert butyl alcohol	5.069	59	2238m	21.740	ug/l	
12) 1,1-Dichloroethene	3.946	96	5530	4.040	ug/l	# 88
13) Acrolein	3.793	56	2040	29.079	ug/l	87
14) Allyl chloride	4.551	41	6532	3.633	ug/l	# 62
15) Acrylonitrile	5.257	53	7673	20.475	ug/l	97
16) Acetone	4.034	43	5838	17.719	ug/l	95
17) Carbon Disulfide	4.269	76	12693	3.971	ug/l	# 92
18) Methyl Acetate	4.563	43	5585	4.512	ug/l	# 69
19) Methyl tert-butyl Ether	5.334	73	13953	3.802	ug/l	95
20) Methylene Chloride	4.798	84	17833	6.544	ug/l	99
21) trans-1,2-Dichloroethene	5.304	96	6192	3.892	ug/l	86
22) Diisopropyl ether	6.216	45	16336	3.837	ug/l	# 86
23) Vinyl Acetate	6.157	43	38374m	18.217	ug/l	
24) 1,1-Dichloroethane	6.110	63	13130	4.574	ug/l	93
25) 2-Butanone	7.081	43	9464	21.463	ug/l	# 81
26) 2,2-Dichloropropane	7.075	77	12275	4.961	ug/l	# 70
27) cis-1,2-Dichloroethene	7.075	96	7870	4.013	ug/l	82
28) Bromochloromethane	7.428	49	3492	4.866	ug/l	# 84
29) Tetrahydrofuran	7.445	42	5022	19.276	ug/l	# 75
30) Chloroform	7.592	83	13247	4.213	ug/l	89
31) Cyclohexane	7.875	56	11289	5.560	ug/l	# 87
32) 1,1,1-Trichloroethane	7.798	97	11451	4.514	ug/l	99
36) 1,1-Dichloropropene	8.004	75	8319	3.836	ug/l	95
37) Ethyl Acetate	7.169	43	4252	4.385	ug/l	# 91
38) Carbon Tetrachloride	7.987	117	8002	3.854	ug/l	90
39) Methylcyclohexane	9.275	83	9002	3.595	ug/l	95
40) Benzene	8.245	78	27804	4.064	ug/l	# 88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	2255	3.808	ug/l #	44
42) 1,2-Dichloroethane	8.328	62	6964	3.917	ug/l	82
43) Isopropyl Acetate	8.369	43	7100	3.752	ug/l #	82
44) Trichloroethene	9.028	130	7276	3.903	ug/l	93
45) 1,2-Dichloropropane	9.304	63	7720	4.371	ug/l	98
46) Dibromomethane	9.392	93	4464	4.318	ug/l	86
47) Bromodichloromethane	9.586	83	10152	3.913	ug/l #	93
48) Methyl methacrylate	9.386	41	3448	4.003	ug/l #	72
49) 1,4-Dioxane	9.398	88	768m	57.985	ug/l	
51) 4-Methyl-2-Pentanone	10.157	43	17452	17.320	ug/l	94
52) Toluene	10.333	92	17806	3.963	ug/l	93
53) t-1,3-Dichloropropene	10.557	75	9132	3.792	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	10462	3.687	ug/l #	89
55) 1,1,2-Trichloroethane	10.733	97	5532	3.665	ug/l #	84
56) Ethyl methacrylate	10.598	69	5971	3.427	ug/l #	86
57) 1,3-Dichloropropane	10.880	76	9951	4.048	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	13779	20.431	ug/l	93
59) 2-Hexanone	10.922	43	13172	18.320	ug/l	87
60) Dibromochloromethane	11.075	129	6980	3.980	ug/l	99
61) 1,2-Dibromoethane	11.186	107	5244	3.747	ug/l	97
64) Tetrachloroethene	10.810	164	5407	3.914	ug/l	93
65) Chlorobenzene	11.604	112	18948	3.888	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.680	131	7406	4.082	ug/l	92
67) Ethyl Benzene	11.686	91	30552	3.570	ug/l	98
68) m/p-Xylenes	11.792	106	22472	6.837	ug/l	88
69) o-Xylene	12.122	106	11017	3.466	ug/l	89
70) Styrene	12.133	104	19324	3.473	ug/l	96
71) Bromoform	12.304	173	4154	4.181	ug/l #	94
73) Isopropylbenzene	12.422	105	28908	3.728	ug/l	99
74) N-amyl acetate	12.233	43	5641	3.453	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	7314	4.393	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	4052m	3.986	ug/l	
77) Bromobenzene	12.698	156	6786	3.791	ug/l	78
78) n-propylbenzene	12.763	91	37174	3.954	ug/l	95
79) 2-Chlorotoluene	12.851	91	19834	3.848	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	22493	3.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	2130	4.460	ug/l #	88
82) 4-Chlorotoluene	12.945	91	20310	3.772	ug/l	98
83) tert-Butylbenzene	13.163	119	20947	3.794	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	22005	3.434	ug/l	96
85) sec-Butylbenzene	13.345	105	30917	3.665	ug/l	99
86) p-Isopropyltoluene	13.463	119	25263	3.627	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	13773	3.741	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	14570	4.039	ug/l	86
89) n-Butylbenzene	13.786	91	25819	3.788	ug/l	95
90) Hexachloroethane	14.051	117	5676	4.407	ug/l	79
91) 1,2-Dichlorobenzene	13.833	146	12857	3.963	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1155	4.865	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	7716	3.896	ug/l	95
94) Hexachlorobutadiene	15.204	225	3654	3.836	ug/l	90
95) Naphthalene	15.327	128	15401	3.591	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	6720	3.781	ug/l	95

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

