

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076787.D
 Acq On : 19 Jul 2023 13:34
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 20 06:08:20 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	155236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	290295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	260591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75644	48.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.840%
35) Dibromofluoromethane	7.805	113	89339	48.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.940%
50) Toluene-d8	10.269	98	301109	46.140	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.575	95	92241	43.692	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	3764	3.101	ug/l	86
3) Chloromethane	2.146	50	5707	2.725	ug/l	89
4) Vinyl Chloride	2.281	62	8281	2.967	ug/l	100
5) Bromomethane	2.687	94	8546	3.721	ug/l	92
6) Chloroethane	2.834	64	6506	3.087	ug/l	96
7) Trichlorofluoromethane	3.169	101	7434	2.993	ug/l	96
8) Diethyl Ether	3.587	74	2243	2.623	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.964	101	5659	3.466	ug/l	89
10) Methyl Iodide	4.169	142	4569	2.482	ug/l #	84
11) Tert butyl alcohol	5.064	59	1705m	14.777	ug/l	
12) 1,1-Dichloroethene	3.922	96	4025	2.624	ug/l	85
13) Acrolein	3.805	56	1057	13.443	ug/l	97
14) Allyl chloride	4.564	41	5067	2.515	ug/l #	81
15) Acrylonitrile	5.263	53	5513	13.125	ug/l	97
16) Acetone	4.022	43	4985	13.500	ug/l #	68
17) Carbon Disulfide	4.264	76	9390	2.621	ug/l	99
18) Methyl Acetate	4.564	43	4083	2.943	ug/l #	66
19) Methyl tert-butyl Ether	5.316	73	11854	2.882	ug/l	95
20) Methylene Chloride	4.799	84	14914	4.883	ug/l #	88
21) trans-1,2-Dichloroethene	5.299	96	4996m	2.802	ug/l	
22) Diisopropyl ether	6.210	45	11185	2.344	ug/l #	90
23) Vinyl Acetate	6.158	43	26241m	11.114	ug/l	
24) 1,1-Dichloroethane	6.111	63	10373	3.224	ug/l #	78
25) 2-Butanone	7.093	43	8306	16.807	ug/l #	80
26) 2,2-Dichloropropane	7.081	77	9191	3.314	ug/l	84
27) cis-1,2-Dichloroethene	7.075	96	6521	2.967	ug/l	83
28) Bromochloromethane	7.434	49	2684	3.337	ug/l #	77
29) Tetrahydrofuran	7.452	42	3582	12.267	ug/l #	73
30) Chloroform	7.593	83	11121	3.156	ug/l	92
31) Cyclohexane	7.875	56	8735	3.839	ug/l #	45
32) 1,1,1-Trichloroethane	7.793	97	8857	3.115	ug/l	95
36) 1,1-Dichloropropene	8.005	75	6545	2.746	ug/l	89
37) Ethyl Acetate	7.175	43	3040	2.852	ug/l #	80
38) Carbon Tetrachloride	7.993	117	6008	2.632	ug/l #	95
39) Methylcyclohexane	9.275	83	7112	2.584	ug/l	99
40) Benzene	8.246	78	22035	2.930	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1409m	2.164	ug/l	
42) 1,2-Dichloroethane	8.328	62	6104	3.123	ug/l	90
43) Isopropyl Acetate	8.363	43	5132	2.467	ug/l #	76
44) Trichloroethene	9.022	130	5761	2.811	ug/l	95
45) 1,2-Dichloropropane	9.304	63	5891	3.034	ug/l	98
46) Dibromomethane	9.393	93	2842	2.501	ug/l	88
47) Bromodichloromethane	9.581	83	8733	3.062	ug/l #	85
48) Methyl methacrylate	9.381	41	2538	2.680	ug/l #	69
49) 1,4-Dioxane	9.387	88	368	25.274	ug/l #	70
51) 4-Methyl-2-Pentanone	10.163	43	13746	12.409	ug/l	96
52) Toluene	10.334	92	14040	2.842	ug/l	92
53) t-1,3-Dichloropropene	10.557	75	7183	2.714	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	8505	2.726	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	4717	2.842	ug/l	96
56) Ethyl methacrylate	10.593	69	4325	2.258	ug/l #	91
57) 1,3-Dichloropropane	10.887	76	6772	2.506	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.869	63	7301	9.847	ug/l	96
59) 2-Hexanone	10.922	43	8961	11.337	ug/l	82
60) Dibromochloromethane	11.075	129	5450	2.827	ug/l	85
61) 1,2-Dibromoethane	11.181	107	4748	3.086	ug/l	96
64) Tetrachloroethene	10.810	164	4204	2.829	ug/l #	90
65) Chlorobenzene	11.604	112	16867	3.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	4977	2.551	ug/l	94
67) Ethyl Benzene	11.687	91	24668	2.680	ug/l	91
68) m/p-Xylenes	11.793	106	17092	4.835	ug/l	85
69) o-Xylene	12.122	106	9379	2.744	ug/l	99
70) Styrene	12.134	104	15586	2.605	ug/l	92
71) Bromoform	12.304	173	3144	2.942	ug/l #	93
73) Isopropylbenzene	12.422	105	24152	2.951	ug/l	94
74) N-amyl acetate	12.234	43	4177	2.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	6334	3.605	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	3951m	3.683	ug/l	
77) Bromobenzene	12.698	156	5231	2.769	ug/l	83
78) n-propylbenzene	12.763	91	25050	2.525	ug/l	95
79) 2-Chlorotoluene	12.851	91	14066	2.586	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	18937	2.862	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	1415m	2.807	ug/l	
82) 4-Chlorotoluene	12.945	91	14351	2.525	ug/l	93
83) tert-Butylbenzene	13.163	119	14973	2.570	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	17919	2.650	ug/l	99
85) sec-Butylbenzene	13.340	105	21426	2.407	ug/l	96
86) p-Isopropyltoluene	13.457	119	16720	2.274	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	11521	2.965	ug/l	88
88) 1,4-Dichlorobenzene	13.534	146	13107	3.443	ug/l	90
89) n-Butylbenzene	13.787	91	17660	2.455	ug/l	96
90) Hexachloroethane	14.057	117	3875	2.851	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	10575	3.089	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	937	3.740	ug/l	80
93) 1,2,4-Trichlorobenzene	15.092	180	7053	3.374	ug/l	96
94) Hexachlorobutadiene	15.204	225	2631	2.617	ug/l	97
95) Naphthalene	15.334	128	14235	3.145	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	6252	3.333	ug/l	99

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

