

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041423\
 Data File : VD075677.D
 Acq On : 14 Apr 2023 13:58
 Operator : KP/SY
 Sample : 02213-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 17 01:56:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 17 01:56:34 2023
 Response via : Initial Calibration

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

Internal Standards						04/17/2023
1) Pentafluorobenzene	7.875	168	192658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	351980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	315035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	142270	50.000	ug/l	0.00
System Monitoring Compounds						04/17/2023
33) 1,2-Dichloroethane-d4	8.228	65	96563	52.804	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.600%
35) Dibromofluoromethane	7.804	113	117646	49.694	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.380%
50) Toluene-d8	10.269	98	445306	46.971	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.940%
62) 4-Bromofluorobenzene	12.574	95	117496	46.627	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4551	2.542	ug/l	98
3) Chloromethane	2.146	50	9350	2.893	ug/l	97
4) Vinyl Chloride	2.281	62	11362	2.649	ug/l	92
5) Bromomethane	2.693	94	10739	3.207	ug/l	93
6) Chloroethane	2.840	64	7780	2.694	ug/l #	82
7) Trichlorofluoromethane	3.169	101	9549	2.873	ug/l	96
8) Diethyl Ether	3.593	74	2855	2.760	ug/l	64
9) 1,1,2-Trichlorotrifluo...	3.969	101	6206	2.978	ug/l	86
10) Methyl Iodide	4.157	142	6984	2.449	ug/l #	86
11) Tert butyl alcohol	5.063	59	1420m	15.472	ug/l	
12) 1,1-Dichloroethene	3.934	96	6082	2.818	ug/l #	74
13) Acrolein	3.798	56	2366	12.781	ug/l	95
14) Allyl chloride	4.563	41	4973	2.530	ug/l #	81
15) Acrylonitrile	5.257	53	5239	13.560	ug/l #	85
16) Acetone	4.022	43	5140	15.343	ug/l	98
17) Carbon Disulfide	4.263	76	19207	2.720	ug/l	96
18) Methyl Acetate	4.557	43	3325m	2.943	ug/l	
19) Methyl tert-butyl Ether	5.322	73	9793	2.338	ug/l	97
20) Methylene Chloride	4.793	84	16088	5.217	ug/l #	72
21) trans-1,2-Dichloroethene	5.310	96	6801	2.646	ug/l #	68
22) Diisopropyl ether	6.204	45	10233	2.304	ug/l #	93
23) Vinyl Acetate	6.157	43	23541m	11.413	ug/l	
24) 1,1-Dichloroethane	6.110	63	10056	2.733	ug/l #	92
25) 2-Butanone	7.075	43	5693	13.198	ug/l #	48
26) 2,2-Dichloropropane	7.081	77	10127	3.036	ug/l	98
27) cis-1,2-Dichloroethene	7.069	96	6926	2.433	ug/l	88
28) Bromochloromethane	7.428	49	2992	2.572	ug/l #	41
29) Tetrahydrofuran	7.445	42	3108	13.176	ug/l #	75
30) Chloroform	7.587	83	10763	2.580	ug/l	96
31) Cyclohexane	7.881	56	9825	3.424	ug/l #	60
32) 1,1,1-Trichloroethane	7.804	97	8753	2.573	ug/l	97
36) 1,1-Dichloropropene	8.004	75	8007	2.452	ug/l	95
37) Ethyl Acetate	7.175	43	2327	2.341	ug/l #	80
38) Carbon Tetrachloride	7.986	117	6867	2.388	ug/l	94
39) Methylcyclohexane	9.275	83	9408	2.491	ug/l #	84
40) Benzene	8.245	78	24464	2.409	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	1366m	2.864	ug/l	96
42) 1,2-Dichloroethane	8.322	62	6295	2.730	ug/l	96
43) Isopropyl Acetate	8.363	43	4763	2.628	ug/l #	59
44) Trichloroethene	9.033	130	6833	2.378	ug/l	94
45) 1,2-Dichloropropane	9.310	63	5221	2.295	ug/l	94
46) Dibromomethane	9.398	93	3393	2.351	ug/l	97
47) Bromodichloromethane	9.581	83	7610	2.305	ug/l #	94
48) Methyl methacrylate	9.381	41	2039	2.525	ug/l #	65
49) 1,4-Dioxane	9.381	88	663	46.296	ug/l #	46
51) 4-Methyl-2-Pentanone	10.163	43	9851	10.194	ug/l #	75
52) Toluene	10.333	92	15838	2.346	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	7051	2.228	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	8374	2.227	ug/l #	75
55) 1,1,2-Trichloroethane	10.733	97	4817	2.305	ug/l #	86
56) Ethyl methacrylate	10.604	69	4018	1.954	ug/l #	69
57) 1,3-Dichloropropane	10.886	76	7605	2.397	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	8600	9.736	ug/l #	83
59) 2-Hexanone	10.922	43	7059	10.389	ug/l	87
60) Dibromochloromethane	11.080	129	5745	2.349	ug/l	98
61) 1,2-Dibromoethane	11.180	107	4548	2.281	ug/l	96
64) Tetrachloroethene	10.810	164	5571	2.455	ug/l	88
65) Chlorobenzene	11.604	112	16818	2.492	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.675	131	5692	2.454	ug/l	90
67) Ethyl Benzene	11.686	91	26759	2.444	ug/l	96
68) m/p-Xylenes	11.792	106	19003	4.234	ug/l	97
69) o-Xylene	12.122	106	8952	2.206	ug/l	93
70) Styrene	12.133	104	15035	2.176	ug/l	91
71) Bromoform	12.298	173	2705	2.231	ug/l #	88
73) Isopropylbenzene	12.422	105	21306	2.282	ug/l	95
74) N-amyl acetate	12.233	43	3334	2.430	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.674	83	5353	2.951	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	3764m	3.244	ug/l	
77) Bromobenzene	12.704	156	6617	2.749	ug/l	89
78) n-propylbenzene	12.763	91	29531	2.580	ug/l	98
79) 2-Chlorotoluene	12.851	91	16306	2.512	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	17476	2.245	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	1359m	2.539	ug/l	
82) 4-Chlorotoluene	12.945	91	16989	2.517	ug/l	95
83) tert-Butylbenzene	13.169	119	14830	2.260	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	15789	2.021	ug/l	91
85) sec-Butylbenzene	13.345	105	23631	2.334	ug/l	91
86) p-Isopropyltoluene	13.457	119	17874	2.120	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	12119	2.420	ug/l	94
88) 1,4-Dichlorobenzene	13.539	146	13717	2.773	ug/l	90
89) n-Butylbenzene	13.786	91	20517	2.642	ug/l	95
90) Hexachloroethane	14.057	117	4770	2.848	ug/l	88
91) 1,2-Dichlorobenzene	13.833	146	11042	2.574	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	665	2.735	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	6516	2.611	ug/l	97
94) Hexachlorobutadiene	15.210	225	3308	2.773	ug/l	96
95) Naphthalene	15.333	128	12479	2.639	ug/l	95
96) 1,2,3-Trichlorobenzene	15.527	180	5501	2.504	ug/l	98

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

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

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