

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075499.D
 Acq On : 10 Mar 2023 18:22
 Operator : KP/SY
 Sample : 01627-01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 11 00:17:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 11 00:17:24 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/13/2023
 Supervised By :Mahesh Dadoda 03/13/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	92089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	169144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	149367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50410	60.328	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.660%			
35) Dibromofluoromethane	7.811	113	61781	53.330	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.660%			
50) Toluene-d8	10.269	98	245370	53.616	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.240%			
62) 4-Bromofluorobenzene	12.575	95	64413	48.688	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2443	2.660	ug/l	90
3) Chloromethane	2.152	50	4863	3.199	ug/l	100
4) Vinyl Chloride	2.287	62	6596	2.985	ug/l #	88
5) Bromomethane	2.705	94	5947	3.435	ug/l	97
6) Chloroethane	2.846	64	4399	2.972	ug/l	90
7) Trichlorofluoromethane	3.181	101	5067	2.845	ug/l	91
8) Diethyl Ether	3.599	74	1266	2.662	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.970	101	3175	2.739	ug/l	94
10) Methyl Iodide	4.170	142	3572	2.583	ug/l #	84
11) Tert butyl alcohol	5.052	59	84	2.177	ug/l #	100
12) 1,1-Dichloroethene	3.952	96	3222	2.815	ug/l	91
13) Acrolein	3.811	56	1033	13.454	ug/l #	80
14) Allyl chloride	4.564	41	2810	2.853	ug/l	91
15) Acrylonitrile	5.264	53	2131	12.222	ug/l #	92
16) Acetone	4.023	43	1844	11.855	ug/l #	78
17) Carbon Disulfide	4.275	76	10018	2.901	ug/l	99
18) Methyl Acetate	4.570	43	1248	2.821	ug/l	96
19) Methyl tert-butyl Ether	5.317	73	5381	2.711	ug/l	94
20) Methylene Chloride	4.805	84	7602	5.103	ug/l #	76
21) trans-1,2-Dichloroethene	5.311	96	3649	2.804	ug/l #	70
22) Diisopropyl ether	6.217	45	4875	2.284	ug/l #	92
23) Vinyl Acetate	6.164	43	12565m	12.130	ug/l	
24) 1,1-Dichloroethane	6.122	63	5318	2.876	ug/l #	81
25) 2-Butanone	7.093	43	2498	12.821	ug/l #	80
26) 2,2-Dichloropropane	7.069	77	4969	2.922	ug/l #	73
27) cis-1,2-Dichloroethene	7.093	96	3600	2.582	ug/l	89
28) Bromochloromethane	7.428	49	1687	2.830	ug/l #	55
29) Tetrahydrofuran	7.464	42	1244	11.731	ug/l #	75
30) Chloroform	7.605	83	5501	2.679	ug/l	89
31) Cyclohexane	7.887	56	5016	3.370	ug/l #	59
32) 1,1,1-Trichloroethane	7.799	97	5127	2.848	ug/l #	89
36) 1,1-Dichloropropene	8.005	75	4092	2.384	ug/l	92
37) Ethyl Acetate	7.164	43	1213	2.712	ug/l #	80
38) Carbon Tetrachloride	7.999	117	3404	2.069	ug/l #	86
39) Methylcyclohexane	9.275	83	4805	2.220	ug/l	90
40) Benzene	8.258	78	13169	2.560	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	495	2.100	ug/l #	57
42) 1,2-Dichloroethane	8.328	62	3355	2.962	ug/l	79
43) Isopropyl Acetate	8.369	43	1804	2.179	ug/l #	61
44) Trichloroethene	9.034	130	3910	2.586	ug/l	89
45) 1,2-Dichloropropane	9.310	63	2636	2.383	ug/l	94
46) Dibromomethane	9.399	93	1853	2.718	ug/l	95
47) Bromodichloromethane	9.587	83	4121	2.497	ug/l	89
48) Methyl methacrylate	9.387	41	724	1.862	ug/l #	49
49) 1,4-Dioxane	9.381	88	54	8.732	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	4427	10.284	ug/l #	77
52) Toluene	10.340	92	8830	2.648	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	3810	2.566	ug/l	91
54) cis-1,3-Dichloropropene	10.022	75	4367	2.395	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	2690	2.787	ug/l #	86
56) Ethyl methacrylate	10.605	69	1880	2.046	ug/l #	66
57) 1,3-Dichloropropane	10.875	76	3837	2.584	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.875	63	4697	10.445	ug/l	90
59) 2-Hexanone	10.922	43	3037	9.977	ug/l	76
60) Dibromochloromethane	11.075	129	2731	2.395	ug/l	96
61) 1,2-Dibromoethane	11.175	107	2295	2.525	ug/l	94
64) Tetrachloroethene	10.810	164	3206	2.720	ug/l	85
65) Chlorobenzene	11.610	112	9790	2.764	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	3211	2.646	ug/l	94
67) Ethyl Benzene	11.693	91	14939	2.449	ug/l	95
68) m/p-Xylenes	11.799	106	11178	4.559	ug/l	94
69) o-Xylene	12.128	106	5154	2.263	ug/l	92
70) Styrene	12.140	104	8373	2.210	ug/l	91
71) Bromoform	12.304	173	1435	2.316	ug/l #	88
73) Isopropylbenzene	12.428	105	13717	2.630	ug/l	97
74) N-amyl acetate	12.240	43	1292	2.000	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.681	83	2681	3.031	ug/l #	91
76) 1,2,3-Trichloropropane	12.734	75	978m	1.831	ug/l	
77) Bromobenzene	12.704	156	3776	3.045	ug/l	79
78) n-propylbenzene	12.769	91	17874	2.820	ug/l	97
79) 2-Chlorotoluene	12.851	91	9708	2.827	ug/l	98
80) 1,3,5-Trimethylbenzene	12.910	105	11201	2.619	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	491m	1.933	ug/l	
82) 4-Chlorotoluene	12.951	91	9912	2.797	ug/l	99
83) tert-Butylbenzene	13.169	119	9991	2.688	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	10123	2.449	ug/l	96
85) sec-Butylbenzene	13.351	105	15122	2.628	ug/l	99
86) p-Isopropyltoluene	13.463	119	12033	2.559	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	7686	2.999	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	7693	3.034	ug/l	94
89) n-Butylbenzene	13.793	91	11665	2.705	ug/l	98
90) Hexachloroethane	14.057	117	2962	3.262	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	6230	2.872	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	3794	2.999	ug/l	97
94) Hexachlorobutadiene	15.210	225	1562	2.589	ug/l	98
95) Naphthalene	15.340	128	6624	2.853	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.528	180	3320	3.042	ug/l	98

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

