

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031023\
 Data File : VD075500.D
 Acq On : 10 Mar 2023 18:51
 Operator : KP/SY
 Sample : 01627-01 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Mar 11 00:18:07 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	98920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	173336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	153861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	68958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	49729	55.403	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.800%			
35) Dibromofluoromethane	7.810	113	62454	52.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.220%			
50) Toluene-d8	10.275	98	249864	53.277	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.560%			
62) 4-Bromofluorobenzene	12.580	95	65662	48.432	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4540	4.602	ug/l	94
3) Chloromethane	2.151	50	7996	4.897	ug/l	96
4) Vinyl Chloride	2.287	62	10497	4.422	ug/l	98
5) Bromomethane	2.698	94	8359	4.495	ug/l	95
6) Chloroethane	2.846	64	6941	4.365	ug/l	95
7) Trichlorofluoromethane	3.175	101	8368	4.373	ug/l	96
8) Diethyl Ether	3.598	74	2001	3.918	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.981	101	5312	4.267	ug/l #	83
10) Methyl Iodide	4.169	142	5722	3.853	ug/l #	86
11) Tert butyl alcohol	5.045	59	366	8.830	ug/l #	100
12) 1,1-Dichloroethene	3.945	96	4969	4.042	ug/l	88
13) Acrolein	3.798	56	1472	17.848	ug/l #	79
14) Allyl chloride	4.569	41	4370	4.131	ug/l #	83
15) Acrylonitrile	5.251	53	3542	18.911	ug/l	93
16) Acetone	4.022	43	2844	17.021	ug/l	99
17) Carbon Disulfide	4.275	76	15829	4.267	ug/l	98
18) Methyl Acetate	4.575	43	1840	3.872	ug/l #	77
19) Methyl tert-butyl Ether	5.328	73	8007	3.755	ug/l #	84
20) Methylene Chloride	4.798	84	10642	6.651	ug/l #	66
21) trans-1,2-Dichloroethene	5.316	96	5774	4.131	ug/l #	61
22) Diisopropyl ether	6.216	45	8865	3.866	ug/l	97
23) Vinyl Acetate	6.163	43	20019	17.991	ug/l #	82
24) 1,1-Dichloroethane	6.122	63	8484	4.272	ug/l #	94
25) 2-Butanone	7.087	43	4116	19.666	ug/l #	73
26) 2,2-Dichloropropane	7.081	77	7710	4.221	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	6109	4.079	ug/l	82
28) Bromochloromethane	7.428	49	2507	3.916	ug/l #	39
29) Tetrahydrofuran	7.451	42	1950	17.119	ug/l #	63
30) Chloroform	7.598	83	9037	4.097	ug/l	97
31) Cyclohexane	7.875	56	7772	4.861	ug/l #	63
32) 1,1,1-Trichloroethane	7.792	97	8190	4.235	ug/l	97
36) 1,1-Dichloropropene	8.022	75	6816	3.874	ug/l	93
37) Ethyl Acetate	7.175	43	1617	3.527	ug/l #	80
38) Carbon Tetrachloride	7.998	117	5740	3.405	ug/l #	92
39) Methylcyclohexane	9.281	83	8223	3.707	ug/l #	84
40) Benzene	8.257	78	20963	3.976	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	631m	2.612	ug/l	
42) 1,2-Dichloroethane	8.328	62	4978	4.289	ug/l	97
43) Isopropyl Acetate	8.363	43	3162	3.728	ug/l #	91
44) Trichloroethene	9.028	130	5922	3.822	ug/l	91
45) 1,2-Dichloropropane	9.304	63	4318	3.810	ug/l #	89
46) Dibromomethane	9.392	93	2710	3.879	ug/l	93
47) Bromodichloromethane	9.586	83	6651	3.932	ug/l	95
48) Methyl methacrylate	9.392	41	1396	3.503	ug/l #	65
49) 1,4-Dioxane	9.386	88	149	23.512	ug/l #	50
51) 4-Methyl-2-Pentanone	10.163	43	7113	16.125	ug/l #	77
52) Toluene	10.333	92	13066	3.824	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	5391	3.543	ug/l #	88
54) cis-1,3-Dichloropropene	10.016	75	6952	3.720	ug/l #	76
55) 1,1,2-Trichloroethane	10.739	97	3951	3.995	ug/l #	88
56) Ethyl methacrylate	10.598	69	3292	3.496	ug/l #	63
57) 1,3-Dichloropropane	10.880	76	5681	3.733	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.875	63	7245	15.722	ug/l #	83
59) 2-Hexanone	10.922	43	4968	15.925	ug/l	84
60) Dibromochloromethane	11.080	129	4256	3.643	ug/l	99
61) 1,2-Dibromoethane	11.186	107	3736	4.011	ug/l	94
64) Tetrachloroethene	10.810	164	5158	4.248	ug/l	95
65) Chlorobenzene	11.610	112	13856	3.797	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.686	131	4731	3.785	ug/l	91
67) Ethyl Benzene	11.686	91	22331	3.553	ug/l	91
68) m/p-Xylenes	11.798	106	17862	7.072	ug/l	89
69) o-Xylene	12.122	106	7956	3.392	ug/l	95
70) Styrene	12.139	104	12592	3.227	ug/l	95
71) Bromoform	12.304	173	2326	3.644	ug/l #	96
73) Isopropylbenzene	12.427	105	20161	3.651	ug/l	97
74) N-amyl acetate	12.233	43	2448	3.579	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.674	83	3799	4.056	ug/l	92
76) 1,2,3-Trichloropropane	12.727	75	2749m	4.861	ug/l	
77) Bromobenzene	12.704	156	5073	3.864	ug/l	92
78) n-propylbenzene	12.769	91	26363	3.929	ug/l	99
79) 2-Chlorotoluene	12.851	91	14339	3.944	ug/l	90
80) 1,3,5-Trimethylbenzene	12.910	105	16100	3.555	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.474	75	927m	3.448	ug/l	
82) 4-Chlorotoluene	12.951	91	14359	3.827	ug/l	91
83) tert-Butylbenzene	13.169	119	14397	3.658	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	15177	3.468	ug/l	94
85) sec-Butylbenzene	13.351	105	23108	3.793	ug/l	99
86) p-Isopropyltoluene	13.463	119	16845	3.383	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	10552	3.888	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	10783	4.017	ug/l	94
89) n-Butylbenzene	13.792	91	16792	3.678	ug/l	98
90) Hexachloroethane	14.057	117	3765	3.916	ug/l	99
91) 1,2-Dichlorobenzene	13.839	146	8599	3.744	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	356	3.020	ug/l	63
93) 1,2,4-Trichlorobenzene	15.104	180	5040	3.763	ug/l	92
94) Hexachlorobutadiene	15.210	225	2879	4.507	ug/l	90
95) Naphthalene	15.333	128	8104	3.296	ug/l	97
96) 1,2,3-Trichlorobenzene	15.521	180	3966	3.432	ug/l	93

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

