

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091222\
 Data File : VD074256.D
 Acq On : 12 Sep 2022 14:50
 Operator : VA/SY
 Sample : MDL02 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02 2.5PPB

Quant Time: Sep 13 04:58:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 04:57:54 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/13/2022
 Supervised By :Mahesh Dadoda 09/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	108861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	180629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	161905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	79717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56732	51.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.804	113	62670	47.720	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.440%			
50) Toluene-d8	10.263	98	236681	53.454	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.900%			
62) 4-Bromofluorobenzene	12.563	95	76352	41.649	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	2852	3.016	ug/l	95
3) Chloromethane	2.140	50	2279	2.801	ug/l	94
4) Vinyl Chloride	2.269	62	1997	2.881	ug/l	94
5) Bromomethane	2.681	94	1606	4.399	ug/l	98
6) Chloroethane	2.822	64	1226	2.970	ug/l	90
7) Trichlorofluoromethane	3.158	101	5362	2.780	ug/l	96
8) Diethyl Ether	3.593	74	1460	2.346	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.946	101	3671	2.958	ug/l	96
10) Methyl Iodide	4.163	142	2132	1.442	ug/l #	89
11) Tert butyl alcohol	5.063	59	1189	13.136	ug/l #	74
12) 1,1-Dichloroethene	3.922	96	3502	2.923	ug/l	97
13) Acrolein	3.787	56	1004	10.435	ug/l	93
14) Allyl chloride	4.558	41	4505	2.423	ug/l	95
15) Acrylonitrile	5.257	53	3705	12.770	ug/l	96
16) Acetone	4.028	43	3974	17.347	ug/l	98
17) Carbon Disulfide	4.258	76	9065	2.623	ug/l	98
18) Methyl Acetate	4.563	43	2676	3.491	ug/l #	69
19) Methyl tert-butyl Ether	5.316	73	7775	2.679	ug/l	93
20) Methylene Chloride	4.799	84	16804	9.482	ug/l	98
21) trans-1,2-Dichloroethene	5.305	96	3974	2.941	ug/l	95
22) Diisopropyl ether	6.216	45	10018	2.539	ug/l	99
23) Vinyl Acetate	6.152	43	18832m	10.108	ug/l	
24) 1,1-Dichloroethane	6.104	63	6574	2.697	ug/l #	85
25) 2-Butanone	7.087	43	5694	14.903	ug/l	94
26) 2,2-Dichloropropane	7.075	77	5191	2.438	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	3722	2.410	ug/l	86
28) Bromochloromethane	7.422	49	2414	3.225	ug/l #	96
29) Tetrahydrofuran	7.434	42	3001m	12.740	ug/l	
30) Chloroform	7.587	83	7036	2.909	ug/l	99
31) Cyclohexane	7.869	56	8212	3.580	ug/l #	62
32) 1,1,1-Trichloroethane	7.787	97	5931	2.794	ug/l	97
36) 1,1-Dichloropropene	7.998	75	5063	2.590	ug/l	98
37) Ethyl Acetate	7.169	43	2492	2.939	ug/l #	67
38) Carbon Tetrachloride	7.993	117	4197	2.373	ug/l #	91
39) Methylcyclohexane	9.269	83	6184	2.555	ug/l	98
40) Benzene	8.251	78	14232	2.630	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1127	2.387	ug/l #	85
42) 1,2-Dichloroethane	8.316	62	3976	2.781	ug/l	92
43) Isopropyl Acetate	8.357	43	3990	2.436	ug/l #	94
44) Trichloroethene	9.022	130	3962	2.638	ug/l	83
45) 1,2-Dichloropropane	9.298	63	3495	2.485	ug/l	98
46) Dibromomethane	9.393	93	1781	2.439	ug/l	96
47) Bromodichloromethane	9.581	83	4741	2.581	ug/l #	96
48) Methyl methacrylate	9.369	41	2079	2.688	ug/l	94
49) 1,4-Dioxane	9.375	88	334	38.631	ug/l #	38
51) 4-Methyl-2-Pentanone	10.151	43	11081	13.388	ug/l	91
52) Toluene	10.328	92	9840	2.835	ug/l	95
53) t-1,3-Dichloropropene	10.545	75	3631	2.097	ug/l	98
54) cis-1,3-Dichloropropene	10.010	75	4796	2.248	ug/l	90
55) 1,1,2-Trichloroethane	10.722	97	2653	2.629	ug/l #	88
56) Ethyl methacrylate	10.598	69	3149	2.348	ug/l	96
57) 1,3-Dichloropropane	10.875	76	4674	2.624	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	3453	12.350	ug/l	96
59) 2-Hexanone	10.916	43	7253	12.904	ug/l	95
60) Dibromochloromethane	11.069	129	3410	2.775	ug/l	89
61) 1,2-Dibromoethane	11.169	107	2590	2.696	ug/l	94
64) Tetrachloroethene	10.804	164	3599	2.907	ug/l	87
65) Chlorobenzene	11.598	112	9814	2.696	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.669	131	3505	2.689	ug/l	92
67) Ethyl Benzene	11.675	91	18122	2.665	ug/l	97
68) m/p-Xylenes	11.781	106	13776	5.339	ug/l	98
69) o-Xylene	12.110	106	6438	2.640	ug/l	99
70) Styrene	12.122	104	10974	2.698	ug/l	98
71) Bromoform	12.292	173	1922	2.648	ug/l #	84
73) Isopropylbenzene	12.410	105	17033	2.525	ug/l	97
74) N-amyl acetate	12.216	43	3834	2.414	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.663	83	3379	2.751	ug/l #	93
76) 1,2,3-Trichloropropane	12.710	75	1985m	2.429	ug/l	
77) Bromobenzene	12.686	156	3825	2.584	ug/l	97
78) n-propylbenzene	12.751	91	21485	2.598	ug/l	100
79) 2-Chlorotoluene	12.834	91	11622	2.598	ug/l	98
80) 1,3,5-Trimethylbenzene	12.892	105	15034	2.690	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.451	75	644m	1.943	ug/l	
82) 4-Chlorotoluene	12.934	91	12188	2.676	ug/l	100
83) tert-Butylbenzene	13.157	119	12567	2.569	ug/l	98
84) 1,2,4-Trimethylbenzene	13.198	105	14737	2.717	ug/l	96
85) sec-Butylbenzene	13.334	105	18598	2.510	ug/l	98
86) p-Isopropyltoluene	13.445	119	15524	2.565	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	8073	2.674	ug/l	97
88) 1,4-Dichlorobenzene	13.522	146	8715	2.936	ug/l	96
89) n-Butylbenzene	13.775	91	15553	2.630	ug/l	99
90) Hexachloroethane	14.033	117	2653	2.397	ug/l	89
91) 1,2-Dichlorobenzene	13.810	146	7019	2.674	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.433	75	458	2.654	ug/l	87
93) 1,2,4-Trichlorobenzene	15.080	180	4717	2.599	ug/l	97
94) Hexachlorobutadiene	15.186	225	2732	2.635	ug/l	93
95) Naphthalene	15.316	128	9349	2.757	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.504	180	4322	2.774	ug/l	96

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

