

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074337.D
 Acq On : 16 Sep 2022 18:39
 Operator : VA/SY
 Sample : MDL05 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL05 2.5PPB

Quant Time: Sep 17 05:14:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 05:13:14 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	93595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	162712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	147461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	68230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48354	53.041	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.080%			
35) Dibromofluoromethane	7.810	113	49985	46.644	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.280%			
50) Toluene-d8	10.269	98	203033	54.909	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.820%			
62) 4-Bromofluorobenzene	12.569	95	60377	42.049	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	2801	3.249	ug/l	97
3) Chloromethane	2.146	50	1920	2.342	ug/l #	85
4) Vinyl Chloride	2.275	62	1736	2.157	ug/l #	88
5) Bromomethane	2.687	94	1345	2.704	ug/l	96
6) Chloroethane	2.834	64	881	1.863	ug/l #	42
7) Trichlorofluoromethane	3.164	101	3636	2.319	ug/l	99
8) Diethyl Ether	3.587	74	1223	2.447	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.963	101	2181m	2.212	ug/l	
10) Methyl Iodide	4.163	142	1465	1.203	ug/l #	90
11) Tert butyl alcohol	5.075	59	923m	14.982	ug/l	
12) 1,1-Dichloroethene	3.928	96	2113	2.105	ug/l	88
13) Acrolein	3.799	56	277	4.169	ug/l #	70
14) Allyl chloride	4.552	41	2971	2.045	ug/l #	88
15) Acrylonitrile	5.252	53	2788	12.654	ug/l #	94
16) Acetone	4.016	43	3137m	15.274	ug/l	
17) Carbon Disulfide	4.269	76	6216	1.902	ug/l #	75
18) Methyl Acetate	4.558	43	2122	3.478	ug/l #	66
19) Methyl tert-butyl Ether	5.316	73	5195	2.417	ug/l #	77
20) Methylene Chloride	4.805	84	15282	8.757	ug/l #	93
21) trans-1,2-Dichloroethene	5.316	96	2371	2.134	ug/l #	77
22) Diisopropyl ether	6.216	45	6934	2.266	ug/l #	91
23) Vinyl Acetate	6.152	43	11291m	8.067	ug/l	
24) 1,1-Dichloroethane	6.110	63	4662	2.367	ug/l #	85
25) 2-Butanone	7.075	43	4399	14.380	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	4150	2.553	ug/l #	75
27) cis-1,2-Dichloroethene	7.081	96	3005	2.441	ug/l	88
28) Bromochloromethane	7.416	49	1667	2.192	ug/l #	93
29) Tetrahydrofuran	7.446	42	2234	12.743	ug/l	89
30) Chloroform	7.593	83	4787	2.472	ug/l #	82
31) Cyclohexane	7.869	56	5509	2.881	ug/l #	63
32) 1,1,1-Trichloroethane	7.787	97	4135	2.421	ug/l	94
36) 1,1-Dichloropropene	7.999	75	3580	2.189	ug/l	96
37) Ethyl Acetate	7.175	43	1801	2.748	ug/l #	67
38) Carbon Tetrachloride	7.987	117	2880	1.987	ug/l #	81
39) Methylcyclohexane	9.263	83	3808	1.925	ug/l	90
40) Benzene	8.251	78	9933	2.166	ug/l	98

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Reviewed By :Krupa Patel 09/19/2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	778	2.187	ug/l #	33
42) 1,2-Dichloroethane	8.328	62	2870	2.450	ug/l	77
43) Isopropyl Acetate	8.363	43	2816	2.329	ug/l #	84
44) Trichloroethene	9.034	130	2967	2.460	ug/l	75
45) 1,2-Dichloropropane	9.304	63	2695	2.336	ug/l	95
46) Dibromomethane	9.387	93	1374	2.316	ug/l	96
47) Bromodichloromethane	9.581	83	3219	2.203	ug/l #	87
48) Methyl methacrylate	9.381	41	1438	2.458	ug/l	93
49) 1,4-Dioxane	9.381	88	199	30.647	ug/l #	50
51) 4-Methyl-2-Pentanone	10.157	43	7480	11.775	ug/l	97
52) Toluene	10.328	92	6145	2.175	ug/l	93
53) t-1,3-Dichloropropene	10.551	75	2480	1.902	ug/l #	77
54) cis-1,3-Dichloropropene	10.016	75	3082	1.827	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	1923	2.460	ug/l	95
56) Ethyl methacrylate	10.598	69	2467	2.410	ug/l	95
57) 1,3-Dichloropropane	10.875	76	3284	2.325	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	1976	7.590	ug/l	91
59) 2-Hexanone	10.916	43	5011	11.278	ug/l	95
60) Dibromochloromethane	11.069	129	2172	2.321	ug/l	100
61) 1,2-Dibromoethane	11.175	107	1726	2.299	ug/l	89
64) Tetrachloroethene	10.810	164	2407	2.408	ug/l	85
65) Chlorobenzene	11.610	112	6644	2.187	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	2297	2.202	ug/l	89
67) Ethyl Benzene	11.681	91	12150	2.180	ug/l	99
68) m/p-Xylenes	11.787	106	8878	4.159	ug/l	98
69) o-Xylene	12.116	106	4173	2.139	ug/l	91
70) Styrene	12.128	104	7257	2.184	ug/l	97
71) Bromoform	12.287	173	1349	2.410	ug/l #	99
73) Isopropylbenzene	12.416	105	11481	2.188	ug/l	95
74) N-amyl acetate	12.228	43	2445	2.108	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.669	83	2290	2.512	ug/l #	93
76) 1,2,3-Trichloropropane	12.716	75	1722m	2.728	ug/l	
77) Bromobenzene	12.692	156	2550	2.224	ug/l	95
78) n-propylbenzene	12.757	91	14230	2.186	ug/l	95
79) 2-Chlorotoluene	12.839	91	8039	2.342	ug/l	97
80) 1,3,5-Trimethylbenzene	12.898	105	9803	2.285	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	490m	1.945	ug/l	
82) 4-Chlorotoluene	12.939	91	8381	2.354	ug/l	96
83) tert-Butylbenzene	13.163	119	8159	2.144	ug/l	97
84) 1,2,4-Trimethylbenzene	13.204	105	9136	2.164	ug/l	99
85) sec-Butylbenzene	13.334	105	12108	2.144	ug/l	99
86) p-Isopropyltoluene	13.451	119	10441	2.213	ug/l	97
87) 1,3-Dichlorobenzene	13.445	146	5260	2.232	ug/l	90
88) 1,4-Dichlorobenzene	13.534	146	6126	2.659	ug/l	90
89) n-Butylbenzene	13.775	91	9941	2.151	ug/l	99
90) Hexachloroethane	14.045	117	1937	2.175	ug/l	91
91) 1,2-Dichlorobenzene	13.822	146	4821	2.426	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	179	1.321	ug/l #	74
93) 1,2,4-Trichlorobenzene	15.092	180	3183	2.374	ug/l	99
94) Hexachlorobutadiene	15.186	225	1890	2.481	ug/l	96
95) Naphthalene	15.322	128	5865	2.360	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.504	180	3008	2.611	ug/l	92

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

