

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074974.D
 Acq On : 17 Nov 2022 17:17
 Operator : VA/SY
 Sample : N4955-01 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Nov 17 23:52:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 17 23:52:08 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	116554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	208290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	190922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	85520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	43578	48.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.200%		
35) Dibromofluoromethane	7.805	113	55237	43.021	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.040%		
50) Toluene-d8	10.275	98	187684	44.376	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.760%		
62) 4-Bromofluorobenzene	12.575	95	57437	44.226	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	3279	3.766	ug/l	93
3) Chloromethane	2.152	50	5102	3.716	ug/l #	86
4) Vinyl Chloride	2.287	62	5275	3.228	ug/l	93
5) Bromomethane	2.705	94	5593	4.184	ug/l	94
6) Chloroethane	2.840	64	4127	3.439	ug/l #	88
7) Trichlorofluoromethane	3.175	101	6262	3.363	ug/l	100
8) Diethyl Ether	3.593	74	1486	2.783	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.981	101	3936	3.312	ug/l	100
10) Methyl Iodide	4.169	142	3028	2.477	ug/l #	95
11) Tert butyl alcohol	5.022	59	1040m	15.853	ug/l	
12) 1,1-Dichloroethene	3.958	96	3682	3.181	ug/l #	79
14) Allyl chloride	4.558	41	3419	2.762	ug/l	97
15) Acrylonitrile	5.269	53	2516	12.059	ug/l	97
16) Acetone	4.028	43	2429	12.624	ug/l	95
17) Carbon Disulfide	4.269	76	10819	3.286	ug/l #	92
18) Methyl Acetate	4.569	43	2044	3.610	ug/l	92
19) Methyl tert-butyl Ether	5.316	73	5989	2.584	ug/l #	88
20) Methylene Chloride	4.799	84	16771	6.544	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	4033	3.073	ug/l	86
22) Diisopropyl ether	6.216	45	5958	2.159	ug/l #	80
23) Vinyl Acetate	6.158	43	9185m	7.755	ug/l	
24) 1,1-Dichloroethane	6.116	63	5701	2.766	ug/l #	78
25) 2-Butanone	7.087	43	2828	11.240	ug/l #	82
26) 2,2-Dichloropropane	7.087	77	5478	2.829	ug/l	85
27) cis-1,2-Dichloroethene	7.075	96	3666	2.518	ug/l	91
28) Bromochloromethane	7.440	49	1704	2.563	ug/l #	91
29) Tetrahydrofuran	7.452	42	1328	9.535	ug/l	92
30) Chloroform	7.605	83	5946	2.635	ug/l	96
31) Cyclohexane	7.887	56	5644	3.322	ug/l #	80
32) 1,1,1-Trichloroethane	7.805	97	5480	2.817	ug/l	99
36) 1,1-Dichloropropene	8.010	75	4332	2.296	ug/l	93
37) Ethyl Acetate	7.169	43	1369	2.162	ug/l #	66
38) Carbon Tetrachloride	7.993	117	3326	1.872	ug/l #	95
39) Methylcyclohexane	9.281	83	4818	2.383	ug/l	94
40) Benzene	8.252	78	13118	2.418	ug/l	94
41) Methacrylonitrile	7.428	41	557m	1.659	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.322	62	3223	2.482	ug/l	85
43) Isopropyl Acetate	8.363	43	2315	2.076	ug/l #	82
44) Trichloroethene	9.028	130	3853	2.688	ug/l	99
45) 1,2-Dichloropropane	9.310	63	3058	2.508	ug/l #	83
46) Dibromomethane	9.399	93	1641	2.403	ug/l	95
47) Bromodichloromethane	9.593	83	4329	2.555	ug/l	99
48) Methyl methacrylate	9.387	41	856	1.733	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	5111	9.613	ug/l	99
52) Toluene	10.334	92	8723	2.689	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	3287	2.196	ug/l #	77
54) cis-1,3-Dichloropropene	10.022	75	3919	2.135	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	2659	2.801	ug/l #	85
56) Ethyl methacrylate	10.598	69	2118	2.064	ug/l	91
57) 1,3-Dichloropropane	10.881	76	3697	2.422	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	3294	9.315	ug/l	91
59) 2-Hexanone	10.922	43	3593	9.694	ug/l	89
60) Dibromochloromethane	11.075	129	2968	2.635	ug/l	95
61) 1,2-Dibromoethane	11.187	107	2289	2.578	ug/l	93
64) Tetrachloroethene	10.816	164	3834	2.995	ug/l #	80
65) Chlorobenzene	11.610	112	9293	2.488	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	3433	2.623	ug/l	95
67) Ethyl Benzene	11.687	91	14680	2.256	ug/l	96
68) m/p-Xylenes	11.798	106	11241	4.333	ug/l	96
69) o-Xylene	12.116	106	4657	1.951	ug/l	89
70) Styrene	12.140	104	8410	2.055	ug/l	97
71) Bromoform	12.298	173	1310	1.934	ug/l #	89
73) Isopropylbenzene	12.422	105	12746	2.165	ug/l	96
74) N-amyl acetate	12.234	43	1533	1.583	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.681	83	2428	2.332	ug/l #	96
76) 1,2,3-Trichloropropane	12.734	75	1360m	1.901	ug/l	
77) Bromobenzene	12.710	156	3687	2.677	ug/l	98
78) n-propylbenzene	12.763	91	16803	2.322	ug/l	99
79) 2-Chlorotoluene	12.851	91	9355	2.400	ug/l	96
80) 1,3,5-Trimethylbenzene	12.910	105	11278	2.299	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	630m	2.167	ug/l	
82) 4-Chlorotoluene	12.951	91	9504	2.341	ug/l	97
83) tert-Butylbenzene	13.169	119	9059	2.129	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	10249	2.113	ug/l	97
85) sec-Butylbenzene	13.345	105	14054	2.171	ug/l	99
86) p-Isopropyltoluene	13.463	119	11073	2.057	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	6688	2.334	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	7010m	2.465	ug/l	
89) n-Butylbenzene	13.792	91	10947	2.191	ug/l	94
90) Hexachloroethane	14.057	117	2247	2.331	ug/l	79
91) 1,2-Dichlorobenzene	13.834	146	5918	2.429	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	176	1.226	ug/l	79
93) 1,2,4-Trichlorobenzene	15.104	180	3663	2.470	ug/l	90
94) Hexachlorobutadiene	15.204	225	1790	2.340	ug/l	97
95) Naphthalene	15.334	128	5647	2.051	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.528	180	2684	2.093	ug/l	88

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