

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074975.D
 Acq On : 17 Nov 2022 17:44
 Operator : VA/SY
 Sample : N4955-01 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Nov 17 23:57:40 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	121491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	210510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	194117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	87920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	43443	46.007	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.020%		
35) Dibromofluoromethane	7.810	113	55576	42.828	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.660%		
50) Toluene-d8	10.275	98	198277	46.386	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.575	95	62063	47.284	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	10224	11.265	ug/l	95
3) Chloromethane	2.152	50	15610	10.908	ug/l	91
4) Vinyl Chloride	2.287	62	18245	10.710	ug/l	97
5) Bromomethane	2.693	94	16089	11.548	ug/l	98
6) Chloroethane	2.840	64	13299	10.631	ug/l	97
7) Trichlorofluoromethane	3.181	101	20606	10.616	ug/l	86
8) Diethyl Ether	3.599	74	5543	9.960	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.969	101	12901	10.416	ug/l	98
10) Methyl Iodide	4.163	142	11841	9.292	ug/l	99
11) Tert butyl alcohol	5.052	59	3051	44.619	ug/l #	84
12) 1,1-Dichloroethene	3.946	96	12566	10.415	ug/l	97
13) Acrolein	3.799	56	1145	29.174	ug/l	100
14) Allyl chloride	4.563	41	11576	8.970	ug/l	97
15) Acrylonitrile	5.257	53	9068	41.697	ug/l	97
16) Acetone	4.022	43	7362	36.707	ug/l	93
17) Carbon Disulfide	4.275	76	37300	10.868	ug/l	99
18) Methyl Acetate	4.563	43	7277	12.329	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	19900	8.238	ug/l	96
20) Methylene Chloride	4.805	84	24575	9.200	ug/l	96
21) trans-1,2-Dichloroethene	5.322	96	13188	9.639	ug/l	92
22) Diisopropyl ether	6.216	45	20300	7.057	ug/l #	84
23) Vinyl Acetate	6.157	43	34000m	27.540	ug/l	
24) 1,1-Dichloroethane	6.116	63	18446	8.587	ug/l	97
25) 2-Butanone	7.087	43	8766	33.424	ug/l	91
26) 2,2-Dichloropropane	7.075	77	16378	8.113	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	12393	8.165	ug/l	97
28) Bromochloromethane	7.428	49	5967	8.610	ug/l #	91
29) Tetrahydrofuran	7.446	42	5004	34.469	ug/l	95
30) Chloroform	7.599	83	19871	8.447	ug/l	94
31) Cyclohexane	7.881	56	15635	8.827	ug/l #	85
32) 1,1,1-Trichloroethane	7.793	97	17515	8.639	ug/l	98
36) 1,1-Dichloropropene	8.010	75	14621	7.667	ug/l	97
37) Ethyl Acetate	7.175	43	4085	6.383	ug/l #	72
38) Carbon Tetrachloride	7.999	117	12370	6.891	ug/l	96
39) Methylcyclohexane	9.281	83	16308	7.982	ug/l	97
40) Benzene	8.257	78	44064	8.035	ug/l	98

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41) Methacrylonitrile	7.410	41	1896m	5.586	ug/l	
42) 1,2-Dichloroethane	8.328	62	10740	8.184	ug/l	95
43) Isopropyl Acetate	8.363	43	7755	6.880	ug/l	96
44) Trichloroethene	9.034	130	12906	8.908	ug/l	98
45) 1,2-Dichloropropane	9.304	63	9582	7.777	ug/l	95
46) Dibromomethane	9.393	93	5433	7.873	ug/l	92
47) Bromodichloromethane	9.587	83	13598	7.940	ug/l	99
48) Methyl methacrylate	9.381	41	3571	7.152	ug/l	88
49) 1,4-Dioxane	9.387	88	838	123.758	ug/l #	72
51) 4-Methyl-2-Pentanone	10.163	43	17638	32.825	ug/l	99
52) Toluene	10.334	92	28480	8.686	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	11780	7.787	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	14084	7.591	ug/l	96
55) 1,1,2-Trichloroethane	10.740	97	8066	8.406	ug/l	94
56) Ethyl methacrylate	10.598	69	7338	7.074	ug/l	95
57) 1,3-Dichloropropane	10.881	76	12543	8.131	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	11931	33.385	ug/l	98
59) 2-Hexanone	10.922	43	12304	32.847	ug/l	95
60) Dibromochloromethane	11.081	129	9015	7.920	ug/l	98
61) 1,2-Dibromoethane	11.181	107	7442	8.293	ug/l	98
64) Tetrachloroethene	10.810	164	11841	9.098	ug/l	93
65) Chlorobenzene	11.610	112	30429	8.013	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.687	131	10266	7.716	ug/l	95
67) Ethyl Benzene	11.687	91	49761	7.521	ug/l	99
68) m/p-Xylenes	11.798	106	39991	15.161	ug/l	97
69) o-Xylene	12.122	106	17674	7.283	ug/l	100
70) Styrene	12.139	104	30447	7.319	ug/l	97
71) Bromoform	12.298	173	4993	7.251	ug/l #	95
73) Isopropylbenzene	12.422	105	47156	7.792	ug/l	99
74) N-amyl acetate	12.234	43	6304	6.332	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	8505	7.945	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	5329m	7.247	ug/l	
77) Bromobenzene	12.704	156	11546	8.153	ug/l	94
78) n-propylbenzene	12.769	91	58651	7.885	ug/l	96
79) 2-Chlorotoluene	12.851	91	33029	8.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	40054	7.944	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.475	75	1975	6.607	ug/l	99
82) 4-Chlorotoluene	12.951	91	33616	8.054	ug/l	98
83) tert-Butylbenzene	13.169	119	33105	7.567	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	38319	7.684	ug/l	99
85) sec-Butylbenzene	13.351	105	51195	7.693	ug/l	98
86) p-Isopropyltoluene	13.463	119	42287	7.642	ug/l	100
87) 1,3-Dichlorobenzene	13.463	146	23726	8.054	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	23883	8.169	ug/l	97
89) n-Butylbenzene	13.792	91	39039	7.599	ug/l	96
90) Hexachloroethane	14.057	117	8012	8.084	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	19957	7.967	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1104	7.481	ug/l	73
93) 1,2,4-Trichlorobenzene	15.104	180	11389	7.469	ug/l	97
94) Hexachlorobutadiene	15.204	225	6367	8.095	ug/l	98
95) Naphthalene	15.333	128	18479	6.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	9152	6.940	ug/l	95

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

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