

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111821\
 Data File : VW020926.D
 Acq On : 18 Nov 2021 14:32
 Operator : SY/VA
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Nov 19 04:59:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 19 04:59:01 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
 Supervised By :Mahesh Dadoda 11/19/2021

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

Internal Standards						
1) Pentafluorobenzene	7.939	168	85492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	126871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	114049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	57801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	36303	45.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.680%		
35) Dibromofluoromethane	7.885	113	37349	46.932	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.860%		
50) Toluene-d8	10.323	98	136767	46.859	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.615	95	50616	46.501	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	297	1.910	ug/l	79
3) Chloromethane	2.209	50	1135	2.306	ug/l	98
4) Vinyl Chloride	2.355	62	1928	2.225	ug/l	93
5) Bromomethane	2.763	94	1672	2.997	ug/l	90
6) Chloroethane	2.916	64	828	2.479	ug/l #	87
7) Trichlorofluoromethane	3.251	101	1067	2.969	ug/l	100
8) Diethyl Ether	3.678	74	860	2.278	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.056	101	1759	2.372	ug/l	98
10) Methyl Iodide	4.269	142	2432	2.175	ug/l #	93
11) Tert butyl alcohol	5.129	59	2202m	31.561	ug/l	
12) 1,1-Dichloroethene	4.032	96	1663	2.289	ug/l	80
13) Acrolein	3.904	56	94m	7.789	ug/l	
14) Allyl chloride	4.666	41	2425	2.325	ug/l	98
15) Acrylonitrile	5.367	53	1614	9.882	ug/l	96
16) Acetone	4.129	43	2657	16.141	ug/l	100
17) Carbon Disulfide	4.379	76	4368	2.188	ug/l #	94
18) Methyl Acetate	4.666	43	1311	2.282	ug/l	95
19) Methyl tert-butyl Ether	5.434	73	2840	2.268	ug/l	98
20) Methylene Chloride	4.916	84	6409	6.970	ug/l	98
21) trans-1,2-Dichloroethene	5.415	96	1934	2.338	ug/l	83
22) Diisopropyl ether	6.306	45	4503	2.104	ug/l #	95
23) Vinyl Acetate	6.257	43	12348	9.859	ug/l	97
24) 1,1-Dichloroethane	6.214	63	3074	2.257	ug/l #	93
25) 2-Butanone	7.177	43	3022	12.926	ug/l	93
26) 2,2-Dichloropropane	7.165	77	2932	3.035	ug/l	87
27) cis-1,2-Dichloroethene	7.171	96	2059	2.228	ug/l	82
28) Bromochloromethane	7.507	49	1281	2.223	ug/l #	98
29) Tetrahydrofuran	7.537	42	1478	10.424	ug/l	96
30) Chloroform	7.671	83	3324	2.219	ug/l	95
31) Cyclohexane	7.945	56	4536	3.433	ug/l #	70
32) 1,1,1-Trichloroethane	7.872	97	2810	2.221	ug/l	98
36) 1,1-Dichloropropene	8.080	75	2588	2.271	ug/l	96
37) Ethyl Acetate	7.250	43	1266	2.435	ug/l #	69
38) Carbon Tetrachloride	8.067	117	2760	2.276	ug/l	94
39) Methylcyclohexane	9.329	83	3464	2.421	ug/l	93
40) Benzene	8.323	78	8516	2.621	ug/l	96

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41) Methacrylonitrile	7.482	41	469	1.692	ug/l	91
42) 1,2-Dichloroethane	8.397	62	2227	2.259	ug/l	95
43) Isopropyl Acetate	8.421	43	1922	1.884	ug/l #	91
44) Trichloroethene	9.092	130	2251	2.374	ug/l	96
45) 1,2-Dichloropropane	9.366	63	1568	2.095	ug/l #	79
46) Dibromomethane	9.457	93	1024	2.160	ug/l	95
47) Bromodichloromethane	9.640	83	2400	2.139	ug/l #	94
48) Methyl methacrylate	9.439	41	1026	2.261	ug/l #	88
49) 1,4-Dioxane	9.451	88	246	36.004	ug/l #	58
51) 4-Methyl-2-Pentanone	10.207	43	5739	11.048	ug/l	98
52) Toluene	10.390	92	4794	2.295	ug/l	100
53) t-1,3-Dichloropropene	10.604	75	2003	1.798	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	2613	2.073	ug/l #	90
55) 1,1,2-Trichloroethane	10.780	97	1396	2.196	ug/l	96
56) Ethyl methacrylate	10.646	69	1529	1.889	ug/l	90
57) 1,3-Dichloropropane	10.933	76	2380	2.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.921	63	4812	11.812	ug/l	99
59) 2-Hexanone	10.969	43	3593	9.943	ug/l	95
60) Dibromochloromethane	11.122	129	1576	1.966	ug/l	99
61) 1,2-Dibromoethane	11.238	107	1418	2.248	ug/l	92
64) Tetrachloroethene	10.860	164	2103	2.482	ug/l	86
65) Chlorobenzene	11.658	112	5318	2.319	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	1757	2.061	ug/l	98
67) Ethyl Benzene	11.725	91	9323	2.317	ug/l	90
68) m/p-Xylenes	11.835	106	7467	4.590	ug/l	99
69) o-Xylene	12.164	106	3502	2.296	ug/l	95
70) Styrene	12.176	104	5560	2.170	ug/l	98
71) Bromoform	12.347	173	881	1.788	ug/l #	96
73) Isopropylbenzene	12.463	105	9705	2.457	ug/l	97
74) N-amyl acetate	12.268	43	1677	1.782	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.713	83	1524	2.212	ug/l	94
76) 1,2,3-Trichloropropane	12.762	75	1267m	2.440	ug/l	
77) Bromobenzene	12.743	156	2429	2.532	ug/l	92
78) n-propylbenzene	12.804	91	11429	2.457	ug/l	99
79) 2-Chlorotoluene	12.890	91	6717	2.498	ug/l	97
80) 1,3,5-Trimethylbenzene	12.945	105	8029	2.370	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	403m	1.825	ug/l	
82) 4-Chlorotoluene	12.987	91	7031	2.466	ug/l	99
83) tert-Butylbenzene	13.201	119	7215	2.383	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	8023	2.399	ug/l	98
85) sec-Butylbenzene	13.384	105	10877	2.497	ug/l	100
86) p-Isopropyltoluene	13.493	119	9176	2.443	ug/l	97
87) 1,3-Dichlorobenzene	13.493	146	5037	2.590	ug/l	98
88) 1,4-Dichlorobenzene	13.573	146	4961	2.539	ug/l	83
89) n-Butylbenzene	13.822	91	8021	2.378	ug/l	95
90) Hexachloroethane	14.091	117	1579	2.232	ug/l	87
91) 1,2-Dichlorobenzene	13.871	146	4432	2.594	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	287	2.372	ug/l	76
93) 1,2,4-Trichlorobenzene	15.133	180	3274	2.690	ug/l	98
94) Hexachlorobutadiene	15.231	225	1735	2.513	ug/l	93
95) Naphthalene	15.365	128	5413	2.399	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	2896	2.698	ug/l	96

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

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