

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102221\
 Data File : VW020688.D
 Acq On : 22 Oct 2021 18:00
 Operator : SY/VA
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/25/2021 11:56:21 AM

Quant Time: Oct 23 06:13:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:13:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	92912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	136972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	122351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	66923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	49286	47.744	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.480%		
35) Dibromofluoromethane	7.884	113	42270	47.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.380%		
50) Toluene-d8	10.323	98	160847	46.979	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.960%		
62) 4-Bromofluorobenzene	12.615	95	59355	47.290	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	355	1.450	ug/l	97
3) Chloromethane	2.209	50	1645	2.676	ug/l	97
4) Vinyl Chloride	2.361	62	1634	2.072	ug/l	98
5) Bromomethane	2.769	94	1412	3.012	ug/l	93
6) Chloroethane	2.910	64	711	2.029	ug/l	92
7) Trichlorofluoromethane	3.251	101	1301	2.306	ug/l	95
8) Diethyl Ether	3.678	74	1163	2.584	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.056	101	2421	2.615	ug/l	97
10) Methyl Iodide	4.269	142	2624	2.283	ug/l #	92
11) Tert butyl alcohol	5.184	59	703	11.120	ug/l #	84
12) 1,1-Dichloroethene	4.044	96	2172	2.512	ug/l	97
13) Acrolein	3.897	56	737	13.023	ug/l #	80
14) Allyl chloride	4.665	41	3276	2.347	ug/l	97
15) Acrylonitrile	5.373	53	2839	12.367	ug/l	94
16) Acetone	4.135	43	2969	11.768	ug/l #	87
17) Carbon Disulfide	4.379	76	6116	2.434	ug/l	98
18) Methyl Acetate	4.678	43	2107	2.705	ug/l #	71
19) Methyl tert-butyl Ether	5.428	73	3496	2.357	ug/l	96
20) Methylene Chloride	4.915	84	10535	8.284	ug/l	99
21) trans-1,2-Dichloroethene	5.421	96	2395	2.480	ug/l	86
22) Diisopropyl ether	6.318	45	6080	2.226	ug/l	97
23) Vinyl Acetate	6.263	43	16578	10.362	ug/l	99
24) 1,1-Dichloroethane	6.220	63	4444	2.545	ug/l	97
25) 2-Butanone	7.177	43	3482	11.060	ug/l	94
26) 2,2-Dichloropropane	7.171	77	2942	2.574	ug/l	93
27) cis-1,2-Dichloroethene	7.171	96	2566	2.493	ug/l	97
28) Bromochloromethane	7.513	49	1983	2.747	ug/l #	95
29) Tetrahydrofuran	7.537	42	2247	11.666	ug/l	95
30) Chloroform	7.671	83	4742	2.603	ug/l	91
31) Cyclohexane	7.951	56	5987	3.417	ug/l #	74
32) 1,1,1-Trichloroethane	7.866	97	3879	2.518	ug/l	97
36) 1,1-Dichloropropene	8.086	75	3629	2.460	ug/l	98
37) Ethyl Acetate	7.263	43	1666	2.441	ug/l #	86
38) Carbon Tetrachloride	8.067	117	3682	2.517	ug/l #	92
39) Methylcyclohexane	9.335	83	4193	2.438	ug/l	97
40) Benzene	8.323	78	35537m	8.803	ug/l	

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41) Methacrylonitrile	7.488	41	924	2.324	ug/l #	92
42) 1,2-Dichloroethane	8.403	62	3531	2.717	ug/l	95
43) Isopropyl Acetate	8.427	43	2880	2.274	ug/l #	89
44) Trichloroethene	9.098	130	2880	2.625	ug/l	92
45) 1,2-Dichloropropane	9.372	63	2412	2.492	ug/l	90
46) Dibromomethane	9.463	93	1239	2.279	ug/l	88
47) Bromodichloromethane	9.646	83	3291	2.456	ug/l	99
48) Methyl methacrylate	9.439	41	1462	2.399	ug/l	91
49) 1,4-Dioxane	9.463	88	303	41.936	ug/l #	70
51) 4-Methyl-2-Pentanone	10.213	43	7528	10.931	ug/l	97
52) Toluene	10.384	92	6598	2.602	ug/l	97
53) t-1,3-Dichloropropene	10.603	75	3167	2.322	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	3467	2.244	ug/l	95
55) 1,1,2-Trichloroethane	10.792	97	1817	2.399	ug/l	96
56) Ethyl methacrylate	10.646	69	1925	1.977	ug/l	94
57) 1,3-Dichloropropane	10.933	76	3329	2.537	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.927	63	5778	13.165	ug/l	97
59) 2-Hexanone	10.969	43	5039	10.341	ug/l	94
60) Dibromochloromethane	11.128	129	2155	2.413	ug/l	99
61) 1,2-Dibromoethane	11.237	107	1914	2.612	ug/l	97
64) Tetrachloroethene	10.866	164	2579	2.715	ug/l	92
65) Chlorobenzene	11.658	112	6985	2.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	2455	2.571	ug/l	99
67) Ethyl Benzene	11.731	91	11770	2.468	ug/l	98
68) m/p-Xylenes	11.841	106	9169	4.973	ug/l	95
69) o-Xylene	12.164	106	3938	2.317	ug/l	100
70) Styrene	12.182	104	6664	2.289	ug/l	99
71) Bromoform	12.353	173	1249	2.231	ug/l #	92
73) Isopropylbenzene	12.463	105	11213	2.326	ug/l	97
74) N-amyl acetate	12.274	43	2229	1.905	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	2323	2.572	ug/l	96
76) 1,2,3-Trichloropropane	12.762	75	2063m	2.782	ug/l	
77) Bromobenzene	12.743	156	3035	2.625	ug/l	98
78) n-propylbenzene	12.804	91	15081	2.547	ug/l	98
79) 2-Chlorotoluene	12.890	91	8641	2.537	ug/l	99
80) 1,3,5-Trimethylbenzene	12.938	105	10006	2.402	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.512	75	635m	2.200	ug/l	
82) 4-Chlorotoluene	12.987	91	9014	2.516	ug/l	100
83) tert-Butylbenzene	13.201	119	8588	2.388	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	9790	2.374	ug/l	96
85) sec-Butylbenzene	13.383	105	12682	2.351	ug/l	100
86) p-Isopropyltoluene	13.499	119	10552	2.300	ug/l	97
87) 1,3-Dichlorobenzene	13.493	146	6229	2.618	ug/l	95
88) 1,4-Dichlorobenzene	13.579	146	6548	2.756	ug/l	87
89) n-Butylbenzene	13.822	91	10379	2.439	ug/l	95
90) Hexachloroethane	14.091	117	2142	2.675	ug/l	99
91) 1,2-Dichlorobenzene	13.871	146	5945	2.813	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	460	2.822	ug/l	90
93) 1,2,4-Trichlorobenzene	15.127	180	4080	2.910	ug/l	95
94) Hexachlorobutadiene	15.231	225	2692	2.965	ug/l	94
95) Naphthalene	15.359	128	6590	2.639	ug/l	97
96) 1,2,3-Trichlorobenzene	15.554	180	3707	2.920	ug/l	92

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

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