

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102921\
 Data File : VW020731.D
 Acq On : 29 Oct 2021 17:21
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 6:28:15 PM

Quant Time: Nov 01 00:43:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 01 00:41:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	104260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	164555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	152041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	81218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	51787	50.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.060%
35) Dibromofluoromethane	7.884	113	44485	46.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.160%
50) Toluene-d8	10.323	98	168259	46.447	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.615	95	63904	46.758	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	1369	5.346	ug/l	96
3) Chloromethane	2.209	50	3659	5.869	ug/l	95
4) Vinyl Chloride	2.349	62	4166	5.710	ug/l	100
5) Bromomethane	2.763	94	2389	8.093	ug/l	96
6) Chloroethane	2.910	64	1078	5.849	ug/l #	87
7) Trichlorofluoromethane	3.245	101	1593	4.641	ug/l	94
8) Diethyl Ether	3.678	74	2300	5.406	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.050	101	4870	5.793	ug/l	98
10) Methyl Iodide	4.263	142	4994	5.273	ug/l	96
11) Tert butyl alcohol	5.190	59	1405	25.760	ug/l #	72
12) 1,1-Dichloroethene	4.038	96	4439	5.417	ug/l	87
13) Acrolein	3.891	56	593	24.730	ug/l	97
14) Allyl chloride	4.659	41	5732	4.548	ug/l	99
15) Acrylonitrile	5.367	53	5572	27.975	ug/l	96
16) Acetone	4.129	43	6402	27.921	ug/l	94
17) Carbon Disulfide	4.385	76	13154	5.799	ug/l	99
18) Methyl Acetate	4.678	43	4513	6.158	ug/l	97
19) Methyl tert-butyl Ether	5.421	73	5564	4.955	ug/l	98
20) Methylene Chloride	4.915	84	9687	8.900	ug/l	96
21) trans-1,2-Dichloroethene	5.409	96	5098	5.562	ug/l	91
22) Diisopropyl ether	6.305	45	13577	5.165	ug/l	92
23) Vinyl Acetate	6.257	43	34805	24.330	ug/l	99
24) 1,1-Dichloroethane	6.208	63	9436	5.600	ug/l	97
25) 2-Butanone	7.177	43	7367	26.722	ug/l	93
26) 2,2-Dichloropropane	7.165	77	5005	5.338	ug/l	99
27) cis-1,2-Dichloroethene	7.165	96	5623	5.609	ug/l	98
28) Bromochloromethane	7.513	49	4686	5.985	ug/l #	99
29) Tetrahydrofuran	7.537	42	4358	26.125	ug/l	99
30) Chloroform	7.677	83	9881	5.617	ug/l	99
31) Cyclohexane	7.951	56	10431	6.074	ug/l #	76
32) 1,1,1-Trichloroethane	7.866	97	7804	5.794	ug/l	97
36) 1,1-Dichloropropene	8.079	75	7560	5.150	ug/l	99
37) Ethyl Acetate	7.256	43	3565	5.691	ug/l #	94
38) Carbon Tetrachloride	8.073	117	7090	5.244	ug/l	96
39) Methylcyclohexane	9.335	83	8289	4.673	ug/l	93
40) Benzene	8.323	78	26326	6.249	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	1678	4.553	ug/l	99
42) 1,2-Dichloroethane	8.397	62	6943	5.362	ug/l	99
43) Isopropyl Acetate	8.427	43	6442	5.369	ug/l	98
44) Trichloroethene	9.092	130	5914	5.343	ug/l	96
45) 1,2-Dichloropropane	9.366	63	5140	5.172	ug/l	98
46) Dibromomethane	9.457	93	2806	5.196	ug/l	97
47) Bromodichloromethane	9.646	83	7125	5.198	ug/l	98
48) Methyl methacrylate	9.439	41	2649	4.508	ug/l	99
49) 1,4-Dioxane	9.451	88	651	90.937	ug/l	92
51) 4-Methyl-2-Pentanone	10.207	43	15757	25.101	ug/l	98
52) Toluene	10.390	92	13959	5.421	ug/l	97
53) t-1,3-Dichloropropene	10.603	75	6857	4.965	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	7777	4.895	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	4086	5.425	ug/l	92
56) Ethyl methacrylate	10.646	69	4429	4.708	ug/l	98
57) 1,3-Dichloropropane	10.933	76	6873	5.231	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.921	63	9239	20.709	ug/l	100
59) 2-Hexanone	10.969	43	10773	24.267	ug/l	97
60) Dibromochloromethane	11.128	129	4711	5.233	ug/l	96
61) 1,2-Dibromoethane	11.237	107	3760	5.216	ug/l	99
64) Tetrachloroethene	10.859	164	5206	5.377	ug/l	95
65) Chlorobenzene	11.658	112	15110	5.480	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	5399	5.373	ug/l	97
67) Ethyl Benzene	11.731	91	25137	5.033	ug/l	99
68) m/p-Xylenes	11.841	106	19159	9.903	ug/l	100
69) o-Xylene	12.164	106	8367	4.698	ug/l	95
70) Styrene	12.176	104	14908	4.884	ug/l	99
71) Bromoform	12.347	173	2811	5.118	ug/l #	98
73) Isopropylbenzene	12.463	105	23204	4.733	ug/l	97
74) N-amyl acetate	12.268	43	5343	4.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	4624	5.347	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	3806m	5.466	ug/l	
77) Bromobenzene	12.743	156	6085	5.127	ug/l	97
78) n-propylbenzene	12.804	91	29448	4.872	ug/l	100
79) 2-Chlorotoluene	12.890	91	17460	5.016	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	20715	4.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	1278	4.584	ug/l	93
82) 4-Chlorotoluene	12.987	91	18722	5.068	ug/l	97
83) tert-Butylbenzene	13.201	119	17169	4.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	20355	4.791	ug/l	100
85) sec-Butylbenzene	13.383	105	26585	4.872	ug/l	97
86) p-Isopropyltoluene	13.493	119	21684	4.680	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	12215	5.022	ug/l	93
88) 1,4-Dichlorobenzene	13.579	146	13118	5.406	ug/l	92
89) n-Butylbenzene	13.822	91	20015	4.596	ug/l	99
90) Hexachloroethane	14.091	117	4205	4.986	ug/l	100
91) 1,2-Dichlorobenzene	13.871	146	11121	5.222	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	864	5.603	ug/l	88
93) 1,2,4-Trichlorobenzene	15.127	180	7148	4.893	ug/l	95
94) Hexachlorobutadiene	15.231	225	4934	5.227	ug/l	99
95) Naphthalene	15.365	128	11307	4.655	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	6760	5.153	ug/l	97

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

