

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102221\
 Data File : VW020689.D
 Acq On : 22 Oct 2021 18:25
 Operator : SY/VA
 Sample : M4068-01 4PPBLOD
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/25/2021 11:56:23 AM

Quant Time: Oct 23 06:14:40 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	7.945	168	99279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	150164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	136596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	72406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	54712	49.601	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.200%
35) Dibromofluoromethane	7.884	113	45693	46.528	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.060%
50) Toluene-d8	10.323	98	175001	46.622	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.240%
62) 4-Bromofluorobenzene	12.615	95	65061	47.282	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	515	1.969	ug/l	86
3) Chloromethane	2.209	50	1913	2.912	ug/l	96
4) Vinyl Chloride	2.355	62	2206	2.618	ug/l	95
5) Bromomethane	2.757	94	1520	3.035	ug/l	96
6) Chloroethane	2.910	64	988	2.639	ug/l	92
7) Trichlorofluoromethane	3.245	101	1618	2.684	ug/l	85
8) Diethyl Ether	3.678	74	1346	2.799	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.050	101	3018	3.050	ug/l	96
10) Methyl Iodide	4.269	142	3317	2.700	ug/l	98
11) Tert butyl alcohol	5.184	59	851	12.597	ug/l #	84
12) 1,1-Dichloroethene	4.031	96	2630	2.846	ug/l	85
13) Acrolein	3.903	56	1137	18.802	ug/l	97
14) Allyl chloride	4.659	41	4357	2.921	ug/l	99
15) Acrylonitrile	5.373	53	3287	13.400	ug/l	98
16) Acetone	4.129	43	3520	13.058	ug/l	99
17) Carbon Disulfide	4.379	76	7789	2.901	ug/l	99
18) Methyl Acetate	4.672	43	2463	2.959	ug/l	97
19) Methyl tert-butyl Ether	5.428	73	4548	2.870	ug/l	99
20) Methylene Chloride	4.915	84	12128	8.925	ug/l	99
21) trans-1,2-Dichloroethene	5.415	96	3035	2.941	ug/l	89
22) Diisopropyl ether	6.312	45	7764	2.660	ug/l	90
23) Vinyl Acetate	6.257	43	21332	12.478	ug/l	97
24) 1,1-Dichloroethane	6.208	63	5590	2.996	ug/l	100
25) 2-Butanone	7.177	43	4127	12.269	ug/l	99
26) 2,2-Dichloropropane	7.165	77	3614	2.959	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	3279	2.982	ug/l	98
28) Bromochloromethane	7.519	49	3220	4.174	ug/l #	98
29) Tetrahydrofuran	7.537	42	2683	13.036	ug/l	94
30) Chloroform	7.677	83	5878	3.020	ug/l	92
31) Cyclohexane	7.952	56	6935	3.705	ug/l #	75
32) 1,1,1-Trichloroethane	7.872	97	4856	2.950	ug/l	99
36) 1,1-Dichloropropene	8.080	75	4550	2.813	ug/l	99
37) Ethyl Acetate	7.263	43	2180	2.913	ug/l #	87
38) Carbon Tetrachloride	8.067	117	4445	2.772	ug/l	97
39) Methylcyclohexane	9.335	83	5171	2.742	ug/l	89
40) Benzene	8.323	78	33848m	7.648	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	861	1.975	ug/l #	84
42) 1,2-Dichloroethane	8.403	62	4336	3.043	ug/l	99
43) Isopropyl Acetate	8.421	43	3729	2.685	ug/l	93
44) Trichloroethene	9.092	130	3571	2.969	ug/l	96
45) 1,2-Dichloropropane	9.372	63	3068	2.892	ug/l	99
46) Dibromomethane	9.457	93	1760	2.953	ug/l	97
47) Bromodichloromethane	9.646	83	4303	2.929	ug/l	93
48) Methyl methacrylate	9.433	41	1745	2.612	ug/l	93
49) 1,4-Dioxane	9.457	88	336	42.418	ug/l	97
51) 4-Methyl-2-Pentanone	10.207	43	9311	12.332	ug/l	98
52) Toluene	10.390	92	8073	2.904	ug/l	94
53) t-1,3-Dichloropropene	10.610	75	3911	2.616	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	4368	2.579	ug/l	93
55) 1,1,2-Trichloroethane	10.786	97	2276	2.741	ug/l	97
56) Ethyl methacrylate	10.646	69	2553	2.391	ug/l	95
57) 1,3-Dichloropropane	10.933	76	4219	2.932	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.927	63	8296	17.241	ug/l	99
59) 2-Hexanone	10.969	43	6230	11.662	ug/l	97
60) Dibromochloromethane	11.128	129	2651	2.708	ug/l	98
61) 1,2-Dibromoethane	11.231	107	2251	2.802	ug/l	98
64) Tetrachloroethene	10.866	164	3366	3.174	ug/l	93
65) Chlorobenzene	11.658	112	9003	3.062	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	2994	2.809	ug/l	97
67) Ethyl Benzene	11.731	91	14556	2.734	ug/l	96
68) m/p-Xylenes	11.841	106	11056	5.371	ug/l	97
69) o-Xylene	12.164	106	4836	2.549	ug/l	100
70) Styrene	12.182	104	8336	2.565	ug/l	99
71) Bromoform	12.347	173	1624	2.599	ug/l #	100
73) Isopropylbenzene	12.463	105	13507	2.590	ug/l	99
74) N-amyl acetate	12.274	43	2858	2.258	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	2875	2.942	ug/l	96
76) 1,2,3-Trichloropropane	12.768	75	2334m	2.910	ug/l	
77) Bromobenzene	12.749	156	3865	3.089	ug/l	97
78) n-propylbenzene	12.804	91	18004	2.811	ug/l	97
79) 2-Chlorotoluene	12.890	91	10176	2.761	ug/l	98
80) 1,3,5-Trimethylbenzene	12.938	105	11977	2.657	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	760m	2.434	ug/l	
82) 4-Chlorotoluene	12.987	91	10851	2.800	ug/l	99
83) tert-Butylbenzene	13.207	119	10401	2.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	12097	2.711	ug/l	96
85) sec-Butylbenzene	13.383	105	16122	2.763	ug/l	99
86) p-Isopropyltoluene	13.493	119	13039	2.627	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	7755	3.012	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	7895	3.071	ug/l	92
89) n-Butylbenzene	13.822	91	12453	2.705	ug/l	98
90) Hexachloroethane	14.091	117	2510	2.897	ug/l	94
91) 1,2-Dichlorobenzene	13.865	146	6869	3.004	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	477	2.705	ug/l	100
93) 1,2,4-Trichlorobenzene	15.127	180	4712	3.107	ug/l	94
94) Hexachlorobutadiene	15.231	225	3240	3.299	ug/l	94
95) Naphthalene	15.359	128	7001	2.592	ug/l	97
96) 1,2,3-Trichlorobenzene	15.548	180	4443	3.235	ug/l	97

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

