

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102921\
 Data File : VW020730.D
 Acq On : 29 Oct 2021 16:57
 Operator : SY/VA
 Sample : M4068-01 4PPBLOD
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 11/1/2021 6:28:14 PM

Quant Time: Nov 01 00:43:04 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	7.945	168	101083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	155144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	143728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	78638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	51252	51.582	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.160%			
35) Dibromofluoromethane	7.878	113	44712	49.128	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.260%			
50) Toluene-d8	10.323	98	162382	47.543	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.080%			
62) 4-Bromofluorobenzene	12.615	95	62613	48.593	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	1065	4.289	ug/l	93
3) Chloromethane	2.209	50	3076	5.089	ug/l	96
4) Vinyl Chloride	2.355	62	3015	4.262	ug/l	96
5) Bromomethane	2.769	94	2011	7.027	ug/l	97
6) Chloroethane	2.910	64	1027	5.748	ug/l	89
7) Trichlorofluoromethane	3.251	101	1351	4.060	ug/l	86
8) Diethyl Ether	3.678	74	1755	4.255	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.062	101	3831	4.700	ug/l	98
10) Methyl Iodide	4.275	142	3695	4.024	ug/l	97
11) Tert butyl alcohol	5.178	59	1184	22.390	ug/l #	72
12) 1,1-Dichloroethene	4.044	96	3334	4.196	ug/l	91
13) Acrolein	3.891	56	474	20.388	ug/l	84
14) Allyl chloride	4.659	41	4464	3.653	ug/l	97
15) Acrylonitrile	5.373	53	4304	22.288	ug/l	98
16) Acetone	4.129	43	5937	26.707	ug/l	91
17) Carbon Disulfide	4.379	76	9237	4.200	ug/l #	91
18) Methyl Acetate	4.672	43	3637	5.119	ug/l #	71
19) Methyl tert-butyl Ether	5.434	73	4372	4.016	ug/l	98
20) Methylene Chloride	4.915	84	8681	8.227	ug/l	98
21) trans-1,2-Dichloroethene	5.434	96	3878	4.364	ug/l #	75
22) Diisopropyl ether	6.318	45	10292	4.038	ug/l	99
23) Vinyl Acetate	6.257	43	28153	20.299	ug/l	97
24) 1,1-Dichloroethane	6.214	63	7224	4.422	ug/l	98
25) 2-Butanone	7.177	43	6206	23.218	ug/l	90
26) 2,2-Dichloropropane	7.165	77	4071	4.478	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	4174	4.295	ug/l	99
28) Bromochloromethane	7.506	49	3461	4.559	ug/l #	97
29) Tetrahydrofuran	7.537	42	3590	22.197	ug/l	99
30) Chloroform	7.677	83	7881	4.621	ug/l	87
31) Cyclohexane	7.951	56	8320	4.997	ug/l #	68
32) 1,1,1-Trichloroethane	7.872	97	6260	4.794	ug/l	94
36) 1,1-Dichloropropene	8.086	75	5801	4.191	ug/l	97
37) Ethyl Acetate	7.263	43	2778	4.703	ug/l #	92
38) Carbon Tetrachloride	8.067	117	5707	4.478	ug/l	99
39) Methylcyclohexane	9.335	83	6698	4.005	ug/l	95
40) Benzene	8.323	78	20441	5.146	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	1312	3.776	ug/l	94
42) 1,2-Dichloroethane	8.403	62	5496	4.502	ug/l	97
43) Isopropyl Acetate	8.427	43	4977	4.399	ug/l	97
44) Trichloroethene	9.091	130	4625	4.432	ug/l	95
45) 1,2-Dichloropropane	9.366	63	4002	4.271	ug/l	94
46) Dibromomethane	9.457	93	2326	4.569	ug/l	97
47) Bromodichloromethane	9.646	83	5594	4.329	ug/l	98
48) Methyl methacrylate	9.439	41	2256	4.072	ug/l	98
49) 1,4-Dioxane	9.457	88	581	86.082	ug/l #	89
51) 4-Methyl-2-Pentanone	10.207	43	13068	22.081	ug/l	97
52) Toluene	10.384	92	10730	4.419	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	5352	4.111	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	6018	4.018	ug/l	97
55) 1,1,2-Trichloroethane	10.786	97	3280	4.619	ug/l	85
56) Ethyl methacrylate	10.646	69	3593	4.051	ug/l	99
57) 1,3-Dichloropropane	10.933	76	5605	4.525	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	8224	19.552	ug/l	98
59) 2-Hexanone	10.969	43	9555	22.829	ug/l	92
60) Dibromochloromethane	11.128	129	3658	4.310	ug/l	92
61) 1,2-Dibromoethane	11.231	107	3008	4.426	ug/l	99
64) Tetrachloroethene	10.866	164	4053	4.428	ug/l	98
65) Chlorobenzene	11.658	112	11853	4.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	4022	4.234	ug/l	98
67) Ethyl Benzene	11.731	91	18828	3.988	ug/l	100
68) m/p-Xylenes	11.841	106	14370	7.857	ug/l	95
69) o-Xylene	12.164	106	6600	3.921	ug/l	98
70) Styrene	12.182	104	11106	3.849	ug/l	98
71) Bromoform	12.347	173	2331	4.490	ug/l #	98
73) Isopropylbenzene	12.463	105	17894	3.769	ug/l	99
74) N-amyl acetate	12.274	43	4345	3.996	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	3965	4.735	ug/l	99
76) 1,2,3-Trichloropropane	12.762	75	3144m	4.664	ug/l	
77) Bromobenzene	12.743	156	4937	4.297	ug/l	97
78) n-propylbenzene	12.804	91	23259	3.975	ug/l	100
79) 2-Chlorotoluene	12.890	91	13689	4.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.938	105	16053	3.886	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.506	75	1145	4.242	ug/l	98
82) 4-Chlorotoluene	12.987	91	14543	4.066	ug/l	98
83) tert-Butylbenzene	13.201	119	13667	3.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	15864	3.856	ug/l	98
85) sec-Butylbenzene	13.383	105	20345	3.851	ug/l	100
86) p-Isopropyltoluene	13.493	119	17125	3.817	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	10090	4.284	ug/l	95
88) 1,4-Dichlorobenzene	13.579	146	10607	4.515	ug/l	90
89) n-Butylbenzene	13.822	91	16260	3.856	ug/l	99
90) Hexachloroethane	14.091	117	3472	4.252	ug/l	96
91) 1,2-Dichlorobenzene	13.865	146	9364	4.541	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	700	4.688	ug/l	91
93) 1,2,4-Trichlorobenzene	15.127	180	5959	4.213	ug/l	100
94) Hexachlorobutadiene	15.231	225	4094	4.479	ug/l	96
95) Naphthalene	15.365	128	9530	4.052	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	5337	4.202	ug/l	98

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

