

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052421\
 Data File : VW019071.D
 Acq On : 24 May 2021 17:57
 Operator : SY/VA
 Sample : M2262-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 5:58:47 PM

Quant Time: May 25 04:31:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W052421S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 25 04:30:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	358530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	600377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	544893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	270168	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	245753	54.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.38%	
35) Dibromofluoromethane	7.884	113	216095	52.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.80%	
50) Toluene-d8	10.323	98	877447	52.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.621	95	306312	52.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.36%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	4688	1.86	ug/l	93
3) Chloromethane	2.215	50	6632	2.38	ug/l	93
4) Vinyl Chloride	2.361	62	8379	1.92	ug/l	98
5) Bromomethane	2.776	94	6968	1.97	ug/l	95
6) Chloroethane	2.928	64	5514	1.90	ug/l	99
7) Trichlorofluoromethane	3.263	101	4094	1.61	ug/l #	84
8) Diethyl Ether	3.684	74	4148	2.07	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.074	101	8388	2.19	ug/l	98
10) Methyl Iodide	4.275	142	10781	1.98	ug/l	99
11) Tert butyl alcohol	5.165	59	6993	31.81	ug/l #	92
12) 1,1-Dichloroethene	4.056	96	7447	1.87	ug/l	97
13) Acrolein	3.891	56	2837	10.45	ug/l	95
14) Allyl chloride	4.672	41	9696	1.82	ug/l	96
15) Acrylonitrile	5.373	53	7930	10.78	ug/l	97
16) Acetone	4.135	43	12241	17.70	ug/l	95
17) Carbon Disulfide	4.391	76	19591	1.81	ug/l	95
18) Methyl Acetate	4.690	43	5567	2.98	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	9866	2.03	ug/l	98
20) Methylene Chloride	4.922	84	55998	11.16	ug/l	95
21) trans-1,2-Dichloroethene	5.428	96	9147	2.05	ug/l	94
22) Diisopropyl ether	6.312	45	19702	1.91	ug/l	92
23) Vinyl Acetate	6.257	43	57332	8.42	ug/l	98
24) 1,1-Dichloroethane	6.220	63	15538	1.94	ug/l	94
25) 2-Butanone	7.183	43	13467	13.19	ug/l	96
26) 2,2-Dichloropropane	7.165	77	12858	2.81	ug/l	86
27) cis-1,2-Dichloroethene	7.177	96	9707	1.98	ug/l	84
28) Bromochloromethane	7.513	49	7179	2.27	ug/l	99
29) Tetrahydrofuran	7.537	42	6669	11.53	ug/l	93
30) Chloroform	7.683	83	16634	2.06	ug/l	92
31) Cyclohexane	7.958	56	21265	3.12	ug/l #	62
32) 1,1,1-Trichloroethane	7.878	97	11887	1.92	ug/l	99
36) 1,1-Dichloropropene	8.080	75	13414	2.00	ug/l	99
37) Ethyl Acetate	7.256	43	5976	2.47	ug/l	97
38) Carbon Tetrachloride	8.067	117	10756	1.81	ug/l	90
39) Methylcyclohexane	9.335	83	16036	2.15	ug/l	94
40) Benzene	8.323	78	36221	1.98	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	2910	2.06	ug/l	90
42) 1,2-Dichloroethane	8.403	62	11233	2.08	ug/l	100
43) Isopropyl Acetate	8.427	43	9094	1.95	ug/l	96
44) Trichloroethene	9.092	130	9742	2.03	ug/l	100
45) 1,2-Dichloropropane	9.372	63	8810	1.99	ug/l	90
46) Dibromomethane	9.457	93	4596	1.99	ug/l	95
47) Bromodichloromethane	9.646	83	10901	1.83	ug/l	97
48) Methyl methacrylate	9.439	41	4696	2.15	ug/l	85
49) 1,4-Dioxane	9.451	88	1265	45.66	ug/l	97
51) 4-Methyl-2-Pentanone	10.213	43	25974	10.95	ug/l	98
52) Toluene	10.390	92	23263	2.00	ug/l	96
53) t-1,3-Dichloropropene	10.610	75	10248	1.73	ug/l	95
54) cis-1,3-Dichloropropene	10.073	75	12172	1.73	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	6304	1.93	ug/l	92
56) Ethyl methacrylate	10.646	69	7111	1.74	ug/l	96
57) 1,3-Dichloropropane	10.933	76	11717	2.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.921	63	25450	12.31	ug/l	99
59) 2-Hexanone	10.969	43	15446	9.68	ug/l	97
60) Dibromochloromethane	11.128	129	6487	1.78	ug/l	93
61) 1,2-Dibromoethane	11.237	107	6129	1.99	ug/l	98
64) Tetrachloroethene	10.866	164	8643	2.21	ug/l	87
65) Chlorobenzene	11.658	112	25534	2.11	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.731	131	7787	1.88	ug/l #	66
67) Ethyl Benzene	11.731	91	45304	1.97	ug/l	97
68) m/p-Xylenes	11.841	106	33589	3.98	ug/l	100
69) o-Xylene	12.164	106	15197	1.91	ug/l	98
70) Styrene	12.182	104	23806	1.79	ug/l	98
71) Bromoform	12.347	173	3555	1.78	ug/l #	98
73) Isopropylbenzene	12.463	105	42072	1.91	ug/l	100
74) N-amyl acetate	12.274	43	7867	1.78	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	7834	2.08	ug/l	89
76) 1,2,3-Trichloropropane	12.768	75	6111m	2.37	ug/l	
77) Bromobenzene	12.749	156	9648	2.05	ug/l	95
78) n-propylbenzene	12.804	91	55069	2.02	ug/l	99
79) 2-Chlorotoluene	12.890	91	31161	2.02	ug/l	100
80) 1,3,5-Trimethylbenzene	12.944	105	37363	2.01	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	2016m	1.77	ug/l	
82) 4-Chlorotoluene	12.987	91	32798	2.02	ug/l	99
83) tert-Butylbenzene	13.207	119	31263	1.97	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	36616	1.97	ug/l	99
85) sec-Butylbenzene	13.383	105	47681	2.01	ug/l	99
86) p-Isopropyltoluene	13.499	119	39340	1.94	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	20590	2.11	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	22381	2.33	ug/l	89
89) n-Butylbenzene	13.822	91	39663	1.96	ug/l	99
90) Hexachloroethane	14.091	117	6223	1.94	ug/l	94
91) 1,2-Dichlorobenzene	13.871	146	17822	2.10	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	1315	2.20	ug/l	91
93) 1,2,4-Trichlorobenzene	15.127	180	12862	2.19	ug/l	98
94) Hexachlorobutadiene	15.237	225	7098	2.14	ug/l	96
95) Naphthalene	15.365	128	23264	2.26	ug/l	97
96) 1,2,3-Trichlorobenzene	15.554	180	12294	2.47	ug/l	97

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

