

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052421\
 Data File : VW019073.D
 Acq On : 24 May 2021 18:45
 Operator : SY/VA
 Sample : M2262-02 5PPBLOQ
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/25/2021 5:58:50 PM

Quant Time: May 25 04:32:26 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	370206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.847	114	637233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.633	117	579339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	271393	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	239129	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
35) Dibromofluoromethane	7.884	113	210292	48.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.00%	
50) Toluene-d8	10.323	98	866406	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.615	95	298460	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.007	85	11704	4.49	ug/l	95
3) Chloromethane	2.208	50	14895	5.17	ug/l	99
4) Vinyl Chloride	2.361	62	21681	4.80	ug/l	96
5) Bromomethane	2.775	94	17261	4.72	ug/l	94
6) Chloroethane	2.928	64	14340	4.78	ug/l	99
7) Trichlorofluoromethane	3.257	101	10442	3.98	ug/l	86
8) Diethyl Ether	3.684	74	11112	5.38	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.074	101	19108	4.83	ug/l	98
10) Methyl Iodide	4.275	142	26992	4.80	ug/l	97
11) Tert butyl alcohol	5.165	59	10832	47.72	ug/l #	92
12) 1,1-Dichloroethene	4.043	96	19464	4.72	ug/l	99
13) Acrolein	3.891	56	6924	24.69	ug/l	99
14) Allyl chloride	4.665	41	25352	4.60	ug/l	99
15) Acrylonitrile	5.378	53	19793	26.06	ug/l	98
16) Acetone	4.129	43	19019	26.63	ug/l	98
17) Carbon Disulfide	4.391	76	51044	4.58	ug/l	97
18) Methyl Acetate	4.677	43	11438	5.92	ug/l	94
19) Methyl tert-butyl Ether	5.427	73	25966	5.18	ug/l	99
20) Methylene Chloride	4.921	84	84886	16.39	ug/l	95
21) trans-1,2-Dichloroethene	5.427	96	22402	4.87	ug/l	97
22) Diisopropyl ether	6.305	45	51302	4.81	ug/l #	84
23) Vinyl Acetate	6.256	43	155366	22.10	ug/l	97
24) 1,1-Dichloroethane	6.214	63	41537	5.03	ug/l	99
25) 2-Butanone	7.177	43	28943	27.45	ug/l	97
26) 2,2-Dichloropropane	7.165	77	26491	5.61	ug/l	92
27) cis-1,2-Dichloroethene	7.177	96	25172	4.98	ug/l	91
28) Bromochloromethane	7.518	49	17674	5.40	ug/l	99
29) Tetrahydrofuran	7.531	42	15047	25.19	ug/l	98
30) Chloroform	7.677	83	42441	5.10	ug/l	97
31) Cyclohexane	7.957	56	39463	5.61	ug/l #	87
32) 1,1,1-Trichloroethane	7.878	97	31624	4.94	ug/l	98
36) 1,1-Dichloropropene	8.085	75	32906	4.63	ug/l	98
37) Ethyl Acetate	7.256	43	14188	5.52	ug/l	98
38) Carbon Tetrachloride	8.073	117	28961	4.59	ug/l	93
39) Methylcyclohexane	9.341	83	35394	4.48	ug/l	97
40) Benzene	8.323	78	94380	4.87	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	6055	4.03	ug/l	94
42) 1,2-Dichloroethane	8.402	62	28064	4.91	ug/l	99
43) Isopropyl Acetate	8.427	43	24096	4.86	ug/l	98
44) Trichloroethene	9.091	130	23657	4.64	ug/l	86
45) 1,2-Dichloropropane	9.372	63	22847	4.86	ug/l	98
46) Dibromomethane	9.457	93	11746	4.80	ug/l	97
47) Bromodichloromethane	9.646	83	29179	4.62	ug/l #	94
48) Methyl methacrylate	9.439	41	10571	4.56	ug/l	96
49) 1,4-Dioxane	9.451	88	2888	98.20	ug/l	96
51) 4-Methyl-2-Pentanone	10.207	43	60586	24.07	ug/l	98
52) Toluene	10.390	92	58919	4.77	ug/l	98
53) t-1,3-Dichloropropene	10.609	75	27601	4.40	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	32708	4.39	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	16986	4.90	ug/l	95
56) Ethyl methacrylate	10.646	69	19008	4.38	ug/l	98
57) 1,3-Dichloropropane	10.932	76	30352	4.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.926	63	52263	23.82	ug/l	99
59) 2-Hexanone	10.969	43	38165	22.54	ug/l	95
60) Dibromochloromethane	11.127	129	17153	4.43	ug/l	97
61) 1,2-Dibromoethane	11.237	107	16099	4.94	ug/l	99
64) Tetrachloroethene	10.859	164	20505	4.94	ug/l	92
65) Chlorobenzene	11.658	112	59972	4.65	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	19560	4.44	ug/l	98
67) Ethyl Benzene	11.731	91	112468	4.60	ug/l	99
68) m/p-Xylenes	11.841	106	81730	9.12	ug/l	97
69) o-Xylene	12.164	106	38421	4.54	ug/l	99
70) Styrene	12.182	104	62997	4.45	ug/l	98
71) Bromoform	12.353	173	9244	4.36	ug/l #	98
73) Isopropylbenzene	12.463	105	104505	4.72	ug/l	99
74) N-amyl acetate	12.274	43	20315	4.57	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.713	83	18875	4.99	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	13165m	5.09	ug/l	
77) Bromobenzene	12.743	156	23795	5.03	ug/l	97
78) n-propylbenzene	12.804	91	128165	4.67	ug/l	100
79) 2-Chlorotoluene	12.889	91	75142	4.86	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	85254	4.57	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.511	75	4800	4.19	ug/l	92
82) 4-Chlorotoluene	12.993	91	77712	4.77	ug/l	99
83) tert-Butylbenzene	13.206	119	73354	4.61	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	87772	4.71	ug/l	98
85) sec-Butylbenzene	13.383	105	109838	4.60	ug/l	99
86) p-Isopropyltoluene	13.499	119	94574	4.65	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	48380	4.94	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	48864	5.06	ug/l	94
89) n-Butylbenzene	13.822	91	90349	4.44	ug/l	98
90) Hexachloroethane	14.090	117	14469	4.50	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	42117	4.94	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	3105	5.17	ug/l	86
93) 1,2,4-Trichlorobenzene	15.127	180	26771	4.54	ug/l	99
94) Hexachlorobutadiene	15.230	225	16505	4.96	ug/l	97
95) Naphthalene	15.365	128	48085	4.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	22668	4.54	ug/l	96

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

