

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052121\
 Data File : VW019049.D
 Acq On : 20 May 2021 18:52
 Operator : SY/VA
 Sample : M2262-02 5PPBLOQ
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:49:02 PM

Quant Time: May 21 05:22:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 05:20:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	378494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	635759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	572500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	290198	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	219401	56.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.66%	
35) Dibromofluoromethane	7.885	113	193235	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.18%	
50) Toluene-d8	10.323	98	759432	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.615	95	269599	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.008	85	10126	3.97	ug/l	95
3) Chloromethane	2.215	50	15124	5.35	ug/l	100
4) Vinyl Chloride	2.367	62	21294	5.13	ug/l	95
5) Bromomethane	2.776	94	17110	4.92	ug/l	94
6) Chloroethane	2.928	64	13560	4.75	ug/l #	88
7) Trichlorofluoromethane	3.257	101	9958	4.36	ug/l	90
8) Diethyl Ether	3.678	74	10913	5.49	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.068	101	20008	5.41	ug/l	97
10) Methyl Iodide	4.275	142	26997	4.98	ug/l	98
11) Tert butyl alcohol	5.184	59	8414m	37.43	ug/l	
12) 1,1-Dichloroethene	4.050	96	19303	5.12	ug/l	93
13) Acrolein	3.904	56	6242	24.48	ug/l	91
14) Allyl chloride	4.672	41	24812	5.06	ug/l	97
15) Acrylonitrile	5.373	53	19787	26.55	ug/l	98
16) Acetone	4.129	43	19810	32.64	ug/l	99
17) Carbon Disulfide	4.391	76	49915	4.85	ug/l	99
18) Methyl Acetate	4.678	43	12090	6.77	ug/l	99
19) Methyl tert-butyl Ether	5.422	73	25147	5.31	ug/l	100
20) Methylene Chloride	4.916	84	66262	12.17	ug/l	95
21) trans-1,2-Dichloroethene	5.428	96	22450	5.21	ug/l	92
22) Diisopropyl ether	6.312	45	51753	5.19	ug/l	94
23) Vinyl Acetate	6.257	43	159306	23.73	ug/l	99
24) 1,1-Dichloroethane	6.214	63	40697	5.27	ug/l	98
25) 2-Butanone	7.177	43	27035	27.12	ug/l	99
26) 2,2-Dichloropropane	7.165	77	23778	5.71	ug/l	96
27) cis-1,2-Dichloroethene	7.171	96	25481	5.33	ug/l	96
28) Bromochloromethane	7.513	49	17889	5.69	ug/l	95
29) Tetrahydrofuran	7.537	42	15540	26.65	ug/l	98
30) Chloroform	7.677	83	42618	5.43	ug/l	92
31) Cyclohexane	7.952	56	39043	6.04	ug/l #	76
32) 1,1,1-Trichloroethane	7.872	97	30123	5.16	ug/l	97
36) 1,1-Dichloropropene	8.086	75	32473	5.13	ug/l	100
37) Ethyl Acetate	7.257	43	14445	5.90	ug/l	100
38) Carbon Tetrachloride	8.067	117	27290	4.89	ug/l	96
39) Methylcyclohexane	9.335	83	35392	5.05	ug/l	97
40) Benzene	8.323	78	93763	5.30	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	5858	4.38	ug/l #	90
42) 1,2-Dichloroethane	8.403	62	28462	5.43	ug/l	98
43) Isopropyl Acetate	8.427	43	23372	5.12	ug/l	99
44) Trichloroethene	9.092	130	24284	5.32	ug/l	100
45) 1,2-Dichloropropane	9.366	63	22422	5.24	ug/l	98
46) Dibromomethane	9.457	93	12529	5.39	ug/l	96
47) Bromodichloromethane	9.640	83	29086	5.03	ug/l #	91
48) Methyl methacrylate	9.439	41	10477	4.99	ug/l	97
49) 1,4-Dioxane	9.457	88	2692	101.61	ug/l #	81
51) 4-Methyl-2-Pentanone	10.213	43	60894	25.73	ug/l	100
52) Toluene	10.390	92	59643	5.32	ug/l	98
53) t-1,3-Dichloropropene	10.604	75	26988	4.75	ug/l	94
54) cis-1,3-Dichloropropene	10.073	75	32585	4.81	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	16659	5.19	ug/l	98
56) Ethyl methacrylate	10.646	69	18988	4.71	ug/l	98
57) 1,3-Dichloropropane	10.933	76	30208	5.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.921	63	51692	24.77	ug/l	100
59) 2-Hexanone	10.969	43	39231	24.94	ug/l	99
60) Dibromochloromethane	11.128	129	17409	4.84	ug/l	100
61) 1,2-Dibromoethane	11.238	107	16033	5.19	ug/l	97
64) Tetrachloroethene	10.860	164	19938	5.36	ug/l	93
65) Chlorobenzene	11.658	112	61549	5.28	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.725	131	19836	4.99	ug/l	99
67) Ethyl Benzene	11.731	91	108443	5.03	ug/l	99
68) m/p-Xylenes	11.841	106	81121	10.02	ug/l	100
69) o-Xylene	12.164	106	37276	4.94	ug/l	97
70) Styrene	12.183	104	61397	4.79	ug/l	99
71) Bromoform	12.347	173	8904	4.46	ug/l #	96
73) Isopropylbenzene	12.463	105	103197	4.85	ug/l	98
74) N-amyl acetate	12.274	43	20759	4.73	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	20164	5.30	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	12551m	4.58	ug/l	
77) Bromobenzene	12.743	156	23668	5.05	ug/l	95
78) n-propylbenzene	12.804	91	128851	4.95	ug/l	99
79) 2-Chlorotoluene	12.890	91	74496	5.03	ug/l	97
80) 1,3,5-Trimethylbenzene	12.945	105	88087	4.88	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	4555	4.05	ug/l	89
82) 4-Chlorotoluene	12.987	91	76683	4.88	ug/l	100
83) tert-Butylbenzene	13.207	119	72406	4.76	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	89478	4.99	ug/l	97
85) sec-Butylbenzene	13.384	105	108664	4.82	ug/l	99
86) p-Isopropyltoluene	13.499	119	94270	4.82	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	48802	5.10	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	48684	5.16	ug/l	95
89) n-Butylbenzene	13.822	91	93872	4.88	ug/l	99
90) Hexachloroethane	14.091	117	14481	4.73	ug/l	91
91) 1,2-Dichlorobenzene	13.871	146	43009	5.08	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2923	4.81	ug/l	96
93) 1,2,4-Trichlorobenzene	15.127	180	28691	5.06	ug/l	97
94) Hexachlorobutadiene	15.231	225	15999	4.88	ug/l	92
95) Naphthalene	15.365	128	50281	4.87	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	26147	5.32	ug/l	100

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

