

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052221\
 Data File : VW019057.D
 Acq On : 21 May 2021 18:31
 Operator : SY/VA
 Sample : M2262-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:48:21 PM

Quant Time: May 22 03:51:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 22 03:50:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	339904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	583704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	525547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	263394	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	221040	63.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.50%	
35) Dibromofluoromethane	7.885	113	192183	59.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.26%	
50) Toluene-d8	10.323	98	759114	59.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.68%	
62) 4-Bromofluorobenzene	12.615	95	270185	58.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.18%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	7747	3.39	ug/l	100
3) Chloromethane	2.215	50	11222	4.42	ug/l	94
4) Vinyl Chloride	2.361	62	14766	3.96	ug/l	95
5) Bromomethane	2.776	94	12733	4.07	ug/l	94
6) Chloroethane	2.922	64	10071	3.93	ug/l	92
7) Trichlorofluoromethane	3.257	101	6603	3.22	ug/l	94
8) Diethyl Ether	3.684	74	7511	4.21	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.074	101	13552	4.08	ug/l	99
10) Methyl Iodide	4.282	142	19113	3.92	ug/l	98
11) Tert butyl alcohol	5.190	59	6860	33.98	ug/l #	92
12) 1,1-Dichloroethene	4.044	96	13675	4.04	ug/l	98
13) Acrolein	3.897	56	3358	14.67	ug/l	92
14) Allyl chloride	4.672	41	16208	3.68	ug/l	98
15) Acrylonitrile	5.373	53	13640	20.38	ug/l	98
16) Acetone	4.135	43	14285	26.21	ug/l	93
17) Carbon Disulfide	4.397	76	33342	3.60	ug/l	99
18) Methyl Acetate	4.684	43	8391	5.23	ug/l #	85
19) Methyl tert-butyl Ether	5.428	73	16991	4.00	ug/l	98
20) Methylene Chloride	4.922	84	58437	11.95	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	15574	4.03	ug/l	97
22) Diisopropyl ether	6.318	45	34647	3.87	ug/l #	97
23) Vinyl Acetate	6.257	43	105194	17.45	ug/l	99
24) 1,1-Dichloroethane	6.220	63	27296	3.93	ug/l	98
25) 2-Butanone	7.177	43	20232	22.60	ug/l	90
26) 2,2-Dichloropropane	7.165	77	16308	4.36	ug/l	95
27) cis-1,2-Dichloroethene	7.171	96	16422	3.83	ug/l	90
28) Bromochloromethane	7.513	49	12016	4.26	ug/l	97
29) Tetrahydrofuran	7.537	42	10163	19.41	ug/l	97
30) Chloroform	7.677	83	28818	4.09	ug/l	100
31) Cyclohexane	7.952	56	28853	4.97	ug/l #	70
32) 1,1,1-Trichloroethane	7.872	97	21068	4.02	ug/l	95
36) 1,1-Dichloropropene	8.080	75	23447	4.03	ug/l	99
37) Ethyl Acetate	7.257	43	10174	4.52	ug/l	97
38) Carbon Tetrachloride	8.067	117	18875	3.68	ug/l	94
39) Methylcyclohexane	9.336	83	23958	3.73	ug/l	93
40) Benzene	8.324	78	64268	3.96	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	4036	3.29	ug/l	95
42) 1,2-Dichloroethane	8.403	62	19045	3.95	ug/l	99
43) Isopropyl Acetate	8.427	43	17411	4.15	ug/l	99
44) Trichloroethene	9.092	130	16595	3.96	ug/l	92
45) 1,2-Dichloropropane	9.372	63	15766	4.01	ug/l	98
46) Dibromomethane	9.457	93	8129	3.81	ug/l	98
47) Bromodichloromethane	9.646	83	19528	3.68	ug/l	89
48) Methyl methacrylate	9.439	41	6728	3.49	ug/l	94
49) 1,4-Dioxane	9.457	88	1967	80.86	ug/l #	63
51) 4-Methyl-2-Pentanone	10.213	43	43927	20.22	ug/l	99
52) Toluene	10.384	92	40354	3.92	ug/l	97
53) t-1,3-Dichloropropene	10.610	75	17600	3.37	ug/l #	88
54) cis-1,3-Dichloropropene	10.073	75	22087	3.55	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	11862	4.02	ug/l	96
56) Ethyl methacrylate	10.646	69	13346	3.60	ug/l	96
57) 1,3-Dichloropropane	10.933	76	20336	3.85	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.927	63	29195	15.24	ug/l	100
59) 2-Hexanone	10.969	43	26955	18.66	ug/l	99
60) Dibromochloromethane	11.128	129	11570	3.51	ug/l	98
61) 1,2-Dibromoethane	11.238	107	10825	3.82	ug/l	96
64) Tetrachloroethene	10.860	164	13972	4.09	ug/l	89
65) Chlorobenzene	11.658	112	41639	3.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	13220	3.62	ug/l	97
67) Ethyl Benzene	11.731	91	75096	3.80	ug/l	99
68) m/p-Xylenes	11.841	106	55474	7.47	ug/l	100
69) o-Xylene	12.164	106	24730	3.57	ug/l	95
70) Styrene	12.183	104	42160	3.59	ug/l	100
71) Bromoform	12.347	173	6256	3.42	ug/l #	97
73) Isopropylbenzene	12.463	105	69172	3.58	ug/l	98
74) N-amyl acetate	12.274	43	13873	3.48	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	14720	4.26	ug/l	97
76) 1,2,3-Trichloropropane	12.768	75	8639m	3.47	ug/l	
77) Bromobenzene	12.743	156	16463	3.87	ug/l	96
78) n-propylbenzene	12.804	91	87461	3.71	ug/l	100
79) 2-Chlorotoluene	12.890	91	50712	3.77	ug/l	98
80) 1,3,5-Trimethylbenzene	12.945	105	58760	3.59	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	3146m	3.08	ug/l	
82) 4-Chlorotoluene	12.987	91	53835	3.77	ug/l	100
83) tert-Butylbenzene	13.207	119	48744	3.53	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	60111	3.70	ug/l	99
85) sec-Butylbenzene	13.384	105	74954	3.66	ug/l	100
86) p-Isopropyltoluene	13.493	119	62983	3.55	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	33537	3.86	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	34729	4.05	ug/l	94
89) n-Butylbenzene	13.823	91	63569	3.64	ug/l	99
90) Hexachloroethane	14.091	117	9775	3.51	ug/l	91
91) 1,2-Dichlorobenzene	13.865	146	29397	3.82	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2172	3.94	ug/l	96
93) 1,2,4-Trichlorobenzene	15.127	180	19617	3.81	ug/l	99
94) Hexachlorobutadiene	15.237	225	10967	3.69	ug/l	96
95) Naphthalene	15.365	128	34400	3.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	17329	3.89	ug/l	98

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

