

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052221\
 Data File : VW019056.D
 Acq On : 21 May 2021 18:07
 Operator : SY/VA
 Sample : M2262-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:48:20 PM

Quant Time: May 22 03:50:49 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	7.951	168	346431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	590445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	542522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	264543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	233163	65.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.96%	
35) Dibromofluoromethane	7.890	113	200397	60.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.92%	
50) Toluene-d8	10.323	98	799767	61.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.62%	
62) 4-Bromofluorobenzene	12.615	95	289390	62.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.08%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	5685	2.44	ug/l	92
3) Chloromethane	2.208	50	7635	2.95	ug/l	92
4) Vinyl Chloride	2.361	62	9110	2.40	ug/l	95
5) Bromomethane	2.782	94	8560	2.69	ug/l	98
6) Chloroethane	2.934	64	6325	2.42	ug/l #	75
7) Trichlorofluoromethane	3.251	101	4130	1.97	ug/l #	78
8) Diethyl Ether	3.684	74	5092	2.80	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.062	101	9393	2.78	ug/l	97
10) Methyl Iodide	4.281	142	12011	2.42	ug/l	99
11) Tert butyl alcohol	5.177	59	6674	32.44	ug/l #	87
12) 1,1-Dichloroethene	4.050	96	8646	2.51	ug/l	91
13) Acrolein	3.897	56	2206	9.45	ug/l	99
14) Allyl chloride	4.665	41	10506	2.34	ug/l	97
15) Acrylonitrile	5.373	53	9168	13.44	ug/l	96
16) Acetone	4.129	43	12471	22.45	ug/l	98
17) Carbon Disulfide	4.391	76	21886	2.32	ug/l	98
18) Methyl Acetate	4.684	43	6300	3.85	ug/l #	77
19) Methyl tert-butyl Ether	5.421	73	11181	2.58	ug/l	96
20) Methylene Chloride	4.915	84	53086	10.65	ug/l	94
21) trans-1,2-Dichloroethene	5.434	96	10203	2.59	ug/l	90
22) Diisopropyl ether	6.311	45	22030	2.41	ug/l #	88
23) Vinyl Acetate	6.257	43	65846	10.72	ug/l	99
24) 1,1-Dichloroethane	6.214	63	17522	2.48	ug/l	99
25) 2-Butanone	7.177	43	14345	15.72	ug/l	100
26) 2,2-Dichloropropane	7.159	77	11917	3.13	ug/l	87
27) cis-1,2-Dichloroethene	7.171	96	10734	2.45	ug/l	86
28) Bromochloromethane	7.512	49	7416	2.58	ug/l	97
29) Tetrahydrofuran	7.537	42	7678	14.39	ug/l	97
30) Chloroform	7.677	83	17969	2.50	ug/l	100
31) Cyclohexane	7.951	56	22342	3.78	ug/l #	62
32) 1,1,1-Trichloroethane	7.872	97	13025	2.44	ug/l	96
36) 1,1-Dichloropropene	8.085	75	15335	2.61	ug/l	99
37) Ethyl Acetate	7.262	43	7293	3.21	ug/l #	93
38) Carbon Tetrachloride	8.073	117	12319	2.38	ug/l	92
39) Methylcyclohexane	9.335	83	17017	2.62	ug/l	96
40) Benzene	8.329	78	40859	2.49	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	3388	2.73	ug/l	86
42) 1,2-Dichloroethane	8.403	62	12882	2.64	ug/l	99
43) Isopropyl Acetate	8.427	43	11024	2.60	ug/l	98
44) Trichloroethene	9.091	130	10966	2.59	ug/l	98
45) 1,2-Dichloropropane	9.372	63	9754	2.45	ug/l	97
46) Dibromomethane	9.463	93	5349	2.48	ug/l	97
47) Bromodichloromethane	9.646	83	12933	2.41	ug/l #	98
48) Methyl methacrylate	9.439	41	5040	2.59	ug/l #	92
49) 1,4-Dioxane	9.451	88	1359	55.23	ug/l #	78
51) 4-Methyl-2-Pentanone	10.213	43	32450	14.76	ug/l	96
52) Toluene	10.390	92	26996	2.59	ug/l	96
53) t-1,3-Dichloropropene	10.603	75	12029	2.28	ug/l	96
54) cis-1,3-Dichloropropene	10.073	75	13994	2.23	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	7632	2.56	ug/l	98
56) Ethyl methacrylate	10.646	69	8277	2.21	ug/l	97
57) 1,3-Dichloropropane	10.933	76	13260	2.48	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.927	63	22571	11.65	ug/l	98
59) 2-Hexanone	10.969	43	19122	13.09	ug/l	99
60) Dibromochloromethane	11.128	129	7481	2.24	ug/l	99
61) 1,2-Dibromoethane	11.237	107	7149	2.49	ug/l	96
64) Tetrachloroethene	10.865	164	9445	2.68	ug/l	89
65) Chlorobenzene	11.658	112	28092	2.55	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.731	131	8684	2.31	ug/l	96
67) Ethyl Benzene	11.731	91	50855	2.49	ug/l	96
68) m/p-Xylenes	11.841	106	38464	5.01	ug/l	97
69) o-Xylene	12.164	106	16844	2.36	ug/l	97
70) Styrene	12.182	104	27481	2.26	ug/l	99
71) Bromoform	12.347	173	3811	2.02	ug/l #	91
73) Isopropylbenzene	12.463	105	47606	2.45	ug/l	99
74) N-amyl acetate	12.274	43	9243	2.31	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	9980	2.88	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	6217m	2.49	ug/l	
77) Bromobenzene	12.743	156	11356	2.66	ug/l	100
78) n-propylbenzene	12.804	91	61022	2.57	ug/l	100
79) 2-Chlorotoluene	12.890	91	35032	2.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	40910	2.49	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	2366m	2.31	ug/l	
82) 4-Chlorotoluene	12.987	91	37357	2.61	ug/l	98
83) tert-Butylbenzene	13.207	119	35885	2.59	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	41783	2.56	ug/l	100
85) sec-Butylbenzene	13.383	105	52749	2.56	ug/l	98
86) p-Isopropyltoluene	13.499	119	44986	2.52	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	23939	2.74	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	23648	2.75	ug/l	85
89) n-Butylbenzene	13.822	91	43935	2.51	ug/l	99
90) Hexachloroethane	14.091	117	6842	2.45	ug/l	100
91) 1,2-Dichlorobenzene	13.871	146	20514	2.66	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	1660	3.00	ug/l	92
93) 1,2,4-Trichlorobenzene	15.127	180	15209	2.94	ug/l	98
94) Hexachlorobutadiene	15.231	225	7540	2.52	ug/l	89
95) Naphthalene	15.359	128	26168	2.78	ug/l	97
96) 1,2,3-Trichlorobenzene	15.548	180	13863	3.10	ug/l	97

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

