

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052021\
 Data File : VW019039.D
 Acq On : 19 May 2021 18:29
 Operator : SY/VA
 Sample : M2262-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 6:00:21 PM

Quant Time: May 20 03:47:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 20 03:45:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	345997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	583902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	536701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	264778	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	192291	54.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.98%	
35) Dibromofluoromethane	7.884	113	166707	51.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.56%	
50) Toluene-d8	10.323	98	662364	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.615	95	236237	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.013	85	10364	4.45	ug/l	99
3) Chloromethane	2.215	50	12527	4.85	ug/l	96
4) Vinyl Chloride	2.367	62	16886	4.45	ug/l	95
5) Bromomethane	2.782	94	14886	4.68	ug/l	95
6) Chloroethane	2.928	64	12047	4.62	ug/l	97
7) Trichlorofluoromethane	3.263	101	7591	3.63	ug/l	87
8) Diethyl Ether	3.684	74	8795	4.84	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.068	101	15735	4.66	ug/l	97
10) Methyl Iodide	4.275	142	22859	4.61	ug/l	100
11) Tert butyl alcohol	5.190	59	8090	39.37	ug/l #	81
12) 1,1-Dichloroethene	4.050	96	15532	4.51	ug/l	94
13) Acrolein	3.897	56	5003	21.47	ug/l	98
14) Allyl chloride	4.672	41	18711	4.17	ug/l	100
15) Acrylonitrile	5.373	53	15736	23.09	ug/l	98
16) Acetone	4.135	43	16357	29.48	ug/l	92
17) Carbon Disulfide	4.391	76	39676	4.21	ug/l	100
18) Methyl Acetate	4.672	43	8391	5.14	ug/l	97
19) Methyl tert-butyl Ether	5.428	73	20728	4.79	ug/l	93
20) Methylene Chloride	4.921	84	51903	10.43	ug/l	91
21) trans-1,2-Dichloroethene	5.421	96	18158	4.61	ug/l	97
22) Diisopropyl ether	6.318	45	40710	4.46	ug/l	95
23) Vinyl Acetate	6.257	43	129840	21.16	ug/l	100
24) 1,1-Dichloroethane	6.220	63	32403	4.59	ug/l	99
25) 2-Butanone	7.177	43	23319	25.59	ug/l	99
26) 2,2-Dichloropropane	7.159	77	19596	5.15	ug/l	93
27) cis-1,2-Dichloroethene	7.177	96	20266	4.64	ug/l	95
28) Bromochloromethane	7.512	49	13152	4.58	ug/l	98
29) Tetrahydrofuran	7.537	42	12975	24.34	ug/l	99
30) Chloroform	7.677	83	33265	4.63	ug/l	98
31) Cyclohexane	7.951	56	31668	5.36	ug/l #	74
32) 1,1,1-Trichloroethane	7.872	97	23888	4.48	ug/l	98
36) 1,1-Dichloropropene	8.086	75	26070	4.48	ug/l	100
37) Ethyl Acetate	7.263	43	12518	5.56	ug/l	98
38) Carbon Tetrachloride	8.073	117	21957	4.29	ug/l	97
39) Methylcyclohexane	9.335	83	29017	4.51	ug/l	97
40) Benzene	8.323	78	75420	4.64	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052021\
 Data File : VW019039.D
 Acq On : 19 May 2021 18:29
 Operator : SY/VA
 Sample : M2262-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 6:00:21 PM

Quant Time: May 20 03:47:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 20 03:45:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	5879	4.79	ug/l	89
42) 1,2-Dichloroethane	8.403	62	23540	4.89	ug/l	100
43) Isopropyl Acetate	8.427	43	19135	4.56	ug/l	100
44) Trichloroethene	9.091	130	19374	4.62	ug/l	98
45) 1,2-Dichloropropane	9.372	63	17845	4.54	ug/l	95
46) Dibromomethane	9.463	93	10191	4.77	ug/l	96
47) Bromodichloromethane	9.646	83	22995	4.33	ug/l	99
48) Methyl methacrylate	9.439	41	8485	4.40	ug/l	93
49) 1,4-Dioxane	9.457	88	2312	95.01	ug/l #	83
51) 4-Methyl-2-Pentanone	10.207	43	51837	23.85	ug/l	99
52) Toluene	10.384	92	46313	4.49	ug/l	96
53) t-1,3-Dichloropropene	10.603	75	21533	4.13	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	25973	4.18	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	14149	4.80	ug/l	95
56) Ethyl methacrylate	10.646	69	15366	4.15	ug/l	97
57) 1,3-Dichloropropane	10.933	76	23744	4.50	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.927	63	38878	20.29	ug/l	99
59) 2-Hexanone	10.969	43	31925	22.10	ug/l	99
60) Dibromochloromethane	11.128	129	13722	4.16	ug/l	97
61) 1,2-Dibromoethane	11.237	107	13029	4.59	ug/l	98
64) Tetrachloroethene	10.859	164	16500	4.73	ug/l	92
65) Chlorobenzene	11.658	112	49977	4.58	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	15587	4.18	ug/l	97
67) Ethyl Benzene	11.731	91	87767	4.35	ug/l	96
68) m/p-Xylenes	11.841	106	64541	8.51	ug/l	97
69) o-Xylene	12.164	106	29525	4.17	ug/l	96
70) Styrene	12.182	104	48611	4.05	ug/l	97
71) Bromoform	12.347	173	7337	3.92	ug/l #	98
73) Isopropylbenzene	12.463	105	81623	4.21	ug/l	99
74) N-amyl acetate	12.274	43	16066	4.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	16656	4.80	ug/l	96
76) 1,2,3-Trichloropropane	12.768	75	10330m	4.13	ug/l	
77) Bromobenzene	12.743	156	19044	4.45	ug/l	96
78) n-propylbenzene	12.804	91	103820	4.38	ug/l	99
79) 2-Chlorotoluene	12.890	91	58505	4.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	69674	4.23	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	3974m	3.87	ug/l	
82) 4-Chlorotoluene	12.987	91	62500	4.36	ug/l	98
83) tert-Butylbenzene	13.200	119	57603	4.15	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	68499	4.19	ug/l	100
85) sec-Butylbenzene	13.383	105	89348	4.34	ug/l	98
86) p-Isopropyltoluene	13.499	119	74869	4.20	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	37873	4.33	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	40389	4.69	ug/l	94
89) n-Butylbenzene	13.822	91	75649	4.31	ug/l	97
90) Hexachloroethane	14.091	117	11274	4.03	ug/l	90
91) 1,2-Dichlorobenzene	13.865	146	34654	4.48	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.481	75	2566	4.63	ug/l	92
93) 1,2,4-Trichlorobenzene	15.133	180	23672	4.57	ug/l	96
94) Hexachlorobutadiene	15.231	225	13245	4.43	ug/l	96
95) Naphthalene	15.365	128	41006	4.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	20482	4.57	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052021\
Data File : VW019039.D
Acq On : 19 May 2021 18:29
Operator : SY/VA
Sample : M2262-01 4PPBLOD
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
APPROVED

MMDadoda
5/20/2021 6:00:21 PM

Quant Time: May 20 03:47:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
Quant Title : SW846 8260
QLast Update : Thu May 20 03:45:49 2021
Response via : Initial Calibration

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

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

