

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
 Data File : VW018331.D
 Acq On : 12 Mar 2021 22:00
 Operator : SY/VA
 Sample : VW0314SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0314SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:40:33 PM

Quant Time: Mar 13 05:01:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 13 04:56:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	118010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	205143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	181590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	94206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	80625	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	7.884	113	71215	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
50) Toluene-d8	10.323	98	259920	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.615	95	98525	52.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.46%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	24088	22.41	ug/l	91
3) Chloromethane	2.215	50	20554	23.21	ug/l	97
4) Vinyl Chloride	2.367	62	29717	22.29	ug/l	99
5) Bromomethane	2.782	94	23688	22.32	ug/l	95
6) Chloroethane	2.928	64	17336	21.21	ug/l	99
7) Trichlorofluoromethane	3.263	101	22706	17.50	ug/l	95
8) Diethyl Ether	3.684	74	15327	23.98	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.068	101	30163	21.12	ug/l	98
10) Methyl Iodide	4.281	142	42024	21.58	ug/l	99
11) Tert butyl alcohol	5.178	59	7859	129.65	ug/l	98
12) 1,1-Dichloroethene	4.050	96	29050	21.14	ug/l	97
13) Acrolein	3.897	56	9677	121.79	ug/l	98
14) Allyl chloride	4.672	41	33383	21.56	ug/l	97
15) Acrylonitrile	5.367	53	30881	122.24	ug/l	98
16) Acetone	4.123	43	24907	124.09	ug/l	96
17) Carbon Disulfide	4.391	76	77966	21.02	ug/l	98
18) Methyl Acetate	4.672	43	12743	24.72	ug/l	100
19) Methyl tert-butyl Ether	5.434	73	37858	22.97	ug/l	93
20) Methylene Chloride	4.922	84	38759	22.33	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	34161	22.15	ug/l	94
22) Diisopropyl ether	6.312	45	72984	22.80	ug/l	98
23) Vinyl Acetate	6.257	43	238024	123.01	ug/l	96
24) 1,1-Dichloroethane	6.214	63	54392	21.99	ug/l	98
25) 2-Butanone	7.171	43	37924	131.77	ug/l	98
26) 2,2-Dichloropropane	7.165	77	31764	20.56	ug/l	100
27) cis-1,2-Dichloroethene	7.165	96	37119	22.20	ug/l	99
28) Bromochloromethane	7.513	49	20623	23.04	ug/l	98
29) Tetrahydrofuran	7.531	42	24237	132.18	ug/l	99
30) Chloroform	7.677	83	62872	22.28	ug/l	95
31) Cyclohexane	7.958	56	46999	21.18	ug/l	90
32) 1,1,1-Trichloroethane	7.872	97	51821	21.56	ug/l	100
36) 1,1-Dichloropropene	8.080	75	47575	21.36	ug/l	99
37) Ethyl Acetate	7.250	43	17728	25.58	ug/l	99
38) Carbon Tetrachloride	8.067	117	50120	21.31	ug/l	93
39) Methylcyclohexane	9.335	83	55645	20.99	ug/l	97
40) Benzene	8.323	78	127718	21.86	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	10271	26.38	ug/l	96
42) 1,2-Dichloroethane	8.403	62	44138	22.92	ug/l	99
43) Isopropyl Acetate	8.427	43	32683	24.99	ug/l	98
44) Trichloroethene	9.098	130	35177	20.90	ug/l	96
45) 1,2-Dichloropropane	9.366	63	29747	22.20	ug/l	100
46) Dibromomethane	9.457	93	19500	23.52	ug/l	98
47) Bromodichloromethane	9.646	83	46989	22.09	ug/l	96
48) Methyl methacrylate	9.439	41	15345	23.94	ug/l	95
49) 1,4-Dioxane	9.451	88	5080	507.14	ug/l	99
51) 4-Methyl-2-Pentanone	10.207	43	85967	128.63	ug/l	100
52) Toluene	10.390	92	84669	21.86	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	43393	22.94	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	49472	22.19	ug/l	97
55) 1,1,2-Trichloroethane	10.786	97	25982	23.38	ug/l	95
56) Ethyl methacrylate	10.646	69	30416	24.24	ug/l	100
57) 1,3-Dichloropropane	10.933	76	43942	23.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	72795	115.62	ug/l	100
59) 2-Hexanone	10.969	43	59027	130.19	ug/l	100
60) Dibromochloromethane	11.128	129	30627	22.74	ug/l	97
61) 1,2-Dibromoethane	11.231	107	25295	23.20	ug/l	99
64) Tetrachloroethene	10.866	164	26756	20.60	ug/l	90
65) Chlorobenzene	11.658	112	90673	21.89	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.731	131	32083	21.93	ug/l	98
67) Ethyl Benzene	11.731	91	167722	21.88	ug/l	96
68) m/p-Xylenes	11.841	106	122170	42.89	ug/l	92
69) o-Xylene	12.164	106	57621	22.11	ug/l	98
70) Styrene	12.182	104	100031	22.50	ug/l	99
71) Bromoform	12.347	173	16355	24.14	ug/l #	99
73) Isopropylbenzene	12.463	105	165741	20.22	ug/l	99
74) N-amyl acetate	12.274	43	29845	23.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	29864	22.67	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	23666m	26.72	ug/l	
77) Bromobenzene	12.743	156	34049	19.77	ug/l	93
78) n-propylbenzene	12.804	91	191601	19.91	ug/l	100
79) 2-Chlorotoluene	12.890	91	112716	20.20	ug/l	97
80) 1,3,5-Trimethylbenzene	12.938	105	144087	20.53	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	7905	22.35	ug/l	98
82) 4-Chlorotoluene	12.987	91	121266	20.76	ug/l	98
83) tert-Butylbenzene	13.207	119	122760	20.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	142623	20.45	ug/l	99
85) sec-Butylbenzene	13.383	105	171420	20.79	ug/l	99
86) p-Isopropyltoluene	13.493	119	152485	20.13	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	73668	21.16	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	70610	20.67	ug/l	97
89) n-Butylbenzene	13.822	91	147132	20.33	ug/l	98
90) Hexachloroethane	14.091	117	26325	20.14	ug/l	92
91) 1,2-Dichlorobenzene	13.865	146	63616	21.39	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	5459	23.91	ug/l	99
93) 1,2,4-Trichlorobenzene	15.127	180	42865	21.13	ug/l	96
94) Hexachlorobutadiene	15.231	225	22711	19.23	ug/l	85
95) Naphthalene	15.359	128	93306	23.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	38240	21.76	ug/l	95

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

