

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
 Data File : VW018327.D
 Acq On : 12 Mar 2021 19:37
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:40:30 PM

Quant Time: Mar 13 04:35:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 13 04:29:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	141109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	230320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	206079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	98882	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	230530	189.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	378.08%	
35) Dibromofluoromethane	7.884	113	223049	152.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	305.48%	
50) Toluene-d8	10.323	98	813491	147.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	295.16%	
62) 4-Bromofluorobenzene	12.615	95	296584	147.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	294.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	181480	178.52	ug/l	93
3) Chloromethane	2.221	50	147889	164.19	ug/l	97
4) Vinyl Chloride	2.367	62	214640	162.55	ug/l	99
5) Bromomethane	2.776	94	176098	188.14	ug/l	98
6) Chloroethane	2.928	64	136612	177.52	ug/l	95
7) Trichlorofluoromethane	3.269	101	230639	233.76	ug/l	92
8) Diethyl Ether	3.684	74	106951	166.53	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.068	101	229733	174.17	ug/l	98
10) Methyl Iodide	4.281	142	330493	161.43	ug/l	99
11) Tert butyl alcohol	5.159	59	50684	904.28	ug/l	100
12) 1,1-Dichloroethene	4.044	96	229565	172.07	ug/l	98
13) Acrolein	3.897	56	63773	782.10	ug/l	97
14) Allyl chloride	4.672	41	262192	161.85	ug/l	99
15) Acrylonitrile	5.367	53	203462	822.32	ug/l	99
16) Acetone	4.117	43	157359	832.76	ug/l	96
17) Carbon Disulfide	4.391	76	628238	171.80	ug/l	98
18) Methyl Acetate	4.672	43	82369	161.18	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	258484	180.06	ug/l	99
20) Methylene Chloride	4.922	84	234471	151.57	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	255799	171.58	ug/l	95
22) Diisopropyl ether	6.312	45	524109	161.13	ug/l	96
23) Vinyl Acetate	6.257	43	1633247	842.01	ug/l	99
24) 1,1-Dichloroethane	6.220	63	411774	176.10	ug/l	98
25) 2-Butanone	7.171	43	233553	810.33	ug/l	99
26) 2,2-Dichloropropane	7.165	77	252607	192.92	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	278761	172.51	ug/l	100
28) Bromochloromethane	7.513	49	147009	165.04	ug/l	95
29) Tetrahydrofuran	7.531	42	148116	782.31	ug/l	99
30) Chloroform	7.677	83	470299	187.06	ug/l	100
31) Cyclohexane	7.958	56	331481	151.80	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	394854	192.78	ug/l	99
36) 1,1-Dichloropropene	8.086	75	355833	159.62	ug/l	98
37) Ethyl Acetate	7.250	43	108671	143.12	ug/l	98
38) Carbon Tetrachloride	8.073	117	388600	172.78	ug/l #	96
39) Methylcyclohexane	9.335	83	428149	151.11	ug/l	98
40) Benzene	8.323	78	949643	153.54	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	62745	142.42	ug/l	95
42) 1,2-Dichloroethane	8.403	62	303814	179.04	ug/l	99
43) Isopropyl Acetate	8.421	43	218725	154.94	ug/l	99
44) Trichloroethene	9.092	130	285726	152.71	ug/l	96
45) 1,2-Dichloropropane	9.372	63	217349	151.92	ug/l	97
46) Dibromomethane	9.457	93	134684	166.88	ug/l	99
47) Bromodichloromethane	9.646	83	357086	173.46	ug/l #	99
48) Methyl methacrylate	9.433	41	113839	159.73	ug/l	97
49) 1,4-Dioxane	9.445	88	35284	3359.08	ug/l	95
51) 4-Methyl-2-Pentanone	10.207	43	536004	746.04	ug/l	99
52) Toluene	10.390	92	633741	154.97	ug/l	98
53) t-1,3-Dichloropropene	10.603	75	337851	173.80	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	387431	164.60	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	179536	155.45	ug/l	99
56) Ethyl methacrylate	10.646	69	216644	164.83	ug/l	97
57) 1,3-Dichloropropane	10.933	76	303651	156.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	540547	794.27	ug/l	99
59) 2-Hexanone	10.969	43	367736	758.44	ug/l	99
60) Dibromochloromethane	11.128	129	239076	163.98	ug/l	99
61) 1,2-Dibromoethane	11.237	107	178912	156.23	ug/l	98
64) Tetrachloroethene	10.860	164	214694	139.53	ug/l	94
65) Chlorobenzene	11.658	112	677444	152.69	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	252205	161.52	ug/l	99
67) Ethyl Benzene	11.731	91	1251351	161.22	ug/l	99
68) m/p-Xylenes	11.841	106	931207	309.49	ug/l	98
69) o-Xylene	12.164	106	439770	157.35	ug/l	98
70) Styrene	12.182	104	746898	159.46	ug/l	99
71) Bromoform	12.353	173	122905	149.14	ug/l #	99
73) Isopropylbenzene	12.463	105	1248674	171.41	ug/l	99
74) N-amyl acetate	12.274	43	200044	167.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	193375	165.45	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	127333m	143.42	ug/l	
77) Bromobenzene	12.743	156	268660	154.82	ug/l	96
78) n-propylbenzene	12.804	91	1456325	172.73	ug/l	100
79) 2-Chlorotoluene	12.890	91	834081	172.18	ug/l	95
80) 1,3,5-Trimethylbenzene	12.945	105	1046898	169.57	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.512	75	60963	176.20	ug/l	91
82) 4-Chlorotoluene	12.987	91	878225	171.98	ug/l	100
83) tert-Butylbenzene	13.207	119	917569	170.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	1053329	170.70	ug/l	99
85) sec-Butylbenzene	13.383	105	1236214	169.09	ug/l	98
86) p-Isopropyltoluene	13.499	119	1173295	170.33	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	517094	151.91	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	496499	147.58	ug/l	95
89) n-Butylbenzene	13.822	91	1079757	171.95	ug/l	98
90) Hexachloroethane	14.091	117	211808	178.45	ug/l	99
91) 1,2-Dichlorobenzene	13.871	146	442746	148.89	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	35647	191.99	ug/l	98
93) 1,2,4-Trichlorobenzene	15.133	180	313277	139.23	ug/l	92
94) Hexachlorobutadiene	15.231	225	175126	124.99	ug/l	93
95) Naphthalene	15.365	128	616050	163.28	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	269206	140.22	ug/l	95

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

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