

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102221\
 Data File : VW020683.D
 Acq On : 22 Oct 2021 14:48
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/25/2021 11:56:13 AM

Quant Time: Oct 23 05:28:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 05:24:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	110545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	156536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	142240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	71110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	159052	124.056	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 248.120%#			
35) Dibromofluoromethane	7.884	113	140109	136.748	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 273.500%#			
50) Toluene-d8	10.323	98	552293	144.690	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 289.380%#			
62) 4-Bromofluorobenzene	12.615	95	198641	141.550	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 283.100%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.007	85	61124	101.680	ug/l	97
3) Chloromethane	2.209	50	105081	109.475	ug/l	100
4) Vinyl Chloride	2.355	62	141654	94.371	ug/l	97
5) Bromomethane	2.745	94	82495	69.959	ug/l	98
6) Chloroethane	2.898	64	65998	67.238	ug/l	100
7) Trichlorofluoromethane	3.245	101	103803	118.270	ug/l	98
8) Diethyl Ether	3.678	74	78828	141.105	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.056	101	154760	130.760	ug/l	97
10) Methyl Iodide	4.269	142	208776	130.151	ug/l	100
11) Tert butyl alcohol	5.190	59	43676	670.687	ug/l #	83
12) 1,1-Dichloroethene	4.032	96	153321	138.023	ug/l	90
13) Acrolein	3.891	56	42671	828.847	ug/l	97
14) Allyl chloride	4.666	41	256265	163.970	ug/l	99
15) Acrylonitrile	5.367	53	184311	750.407	ug/l	100
16) Acetone	4.129	43	200206	871.486	ug/l	97
17) Carbon Disulfide	4.379	76	455498	134.494	ug/l	100
18) Methyl Acetate	4.672	43	120415	184.849	ug/l	100
19) Methyl tert-butyl Ether	5.428	73	248752	160.735	ug/l	99
20) Methylene Chloride	4.909	84	158895	103.844	ug/l	99
21) trans-1,2-Dichloroethene	5.422	96	169065	134.043	ug/l	97
22) Diisopropyl ether	6.312	45	476776	145.827	ug/l	98
23) Vinyl Acetate	6.257	43	1424456	783.603	ug/l	99
24) 1,1-Dichloroethane	6.214	63	301295	132.304	ug/l	99
25) 2-Butanone	7.171	43	254675	805.947	ug/l	98
26) 2,2-Dichloropropane	7.165	77	192449	137.646	ug/l	99
27) cis-1,2-Dichloroethene	7.165	96	184507	137.081	ug/l	98
28) Bromochloromethane	7.513	49	122428	135.088	ug/l #	100
29) Tetrahydrofuran	7.531	42	154015	788.515	ug/l	99
30) Chloroform	7.677	83	307611	128.547	ug/l	97
31) Cyclohexane	7.952	56	295354	142.192	ug/l	95
32) 1,1,1-Trichloroethane	7.872	97	261031	133.875	ug/l	99
36) 1,1-Dichloropropene	8.080	75	253120	154.813	ug/l	100
37) Ethyl Acetate	7.257	43	106802	166.181	ug/l	99
38) Carbon Tetrachloride	8.067	117	244439	147.156	ug/l	95
39) Methylcyclohexane	9.335	83	310008	164.449	ug/l	97
40) Benzene	8.323	78	670718	149.294	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	69794	190.181	ug/l	99
42) 1,2-Dichloroethane	8.403	62	208717	149.333	ug/l	100
43) Isopropyl Acetate	8.427	43	208868	172.881	ug/l	99
44) Trichloroethene	9.092	130	186046	156.700	ug/l	99
45) 1,2-Dichloropropane	9.366	63	162675	148.918	ug/l	97
46) Dibromomethane	9.457	93	88749	143.335	ug/l	99
47) Bromodichloromethane	9.646	83	226788	147.761	ug/l	97
48) Methyl methacrylate	9.439	41	107090	199.101	ug/l	95
49) 1,4-Dioxane	9.457	88	21597	2719.649	ug/l #	80
51) 4-Methyl-2-Pentanone	10.207	43	540578	850.150	ug/l	100
52) Toluene	10.390	92	438870	154.217	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	238870	160.183	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	271962	158.050	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	119238	140.459	ug/l	99
56) Ethyl methacrylate	10.646	69	173946	178.665	ug/l	99
57) 1,3-Dichloropropane	10.933	76	212451	146.582	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	370927	834.578	ug/l	99
59) 2-Hexanone	10.969	43	381473	882.260	ug/l	99
60) Dibromochloromethane	11.128	129	152034	155.355	ug/l	97
61) 1,2-Dibromoethane	11.238	107	120099	150.452	ug/l	99
64) Tetrachloroethene	10.860	164	158048	158.746	ug/l	91
65) Chlorobenzene	11.658	112	444880	147.132	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	163659	151.603	ug/l	99
67) Ethyl Benzene	11.731	91	856629	160.445	ug/l	99
68) m/p-Xylenes	11.841	106	655330	313.426	ug/l	97
69) o-Xylene	12.164	106	306571	160.425	ug/l	99
70) Styrene	12.182	104	520896	160.149	ug/l	98
71) Bromoform	12.347	173	94617	171.787	ug/l #	97
73) Isopropylbenzene	12.463	105	842536	169.666	ug/l	100
74) N-amyl acetate	12.274	43	198340	185.030	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	134031	143.593	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	111889m	162.981	ug/l	
77) Bromobenzene	12.749	156	187096	159.942	ug/l	98
78) n-propylbenzene	12.804	91	1014519	162.678	ug/l	99
79) 2-Chlorotoluene	12.890	91	572673	157.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.945	105	701980	160.400	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	48426	172.232	ug/l	99
82) 4-Chlorotoluene	12.987	91	595348	156.434	ug/l	99
83) tert-Butylbenzene	13.207	119	613988	166.242	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	696453	163.048	ug/l	99
85) sec-Butylbenzene	13.383	105	896249	160.810	ug/l	99
86) p-Isopropyltoluene	13.493	119	762034	162.953	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	380384	153.974	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	374086	152.899	ug/l	98
89) n-Butylbenzene	13.822	91	727329	162.640	ug/l	100
90) Hexachloroethane	14.091	117	131440	148.709	ug/l	98
91) 1,2-Dichlorobenzene	13.865	146	331439	155.497	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.481	75	24517	157.537	ug/l	98
93) 1,2,4-Trichlorobenzene	15.127	180	227645	171.784	ug/l	99
94) Hexachlorobutadiene	15.231	225	147065	184.657	ug/l	96
95) Naphthalene	15.365	128	414728	179.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	198485	169.920	ug/l	98

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

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