

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
 Data File : VW019984.D
 Acq On : 07 Sep 2021 13:18
 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
 9/8/2021 7:11:53 PM

Quant Time: Sep 08 10:51:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 08 10:47:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	223636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	361457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	333015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	167864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	375968	145.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 291.580%#	
35) Dibromofluoromethane	7.884	113	335935	142.083	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 284.160%#	
50) Toluene-d8	10.329	98	1274544	144.961	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 289.920%#	
62) 4-Bromofluorobenzene	12.621	95	488890	152.092	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 304.180%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	201778	146.666	ug/l	96
3) Chloromethane	2.221	50	306269	152.753	ug/l	99
4) Vinyl Chloride	2.373	62	459794	141.156	ug/l	99
5) Bromomethane	2.769	94	355180	135.065	ug/l	100
6) Chloroethane	2.922	64	317187	140.846	ug/l	99
7) Trichlorofluoromethane	3.263	101	295578	156.721	ug/l	95
8) Diethyl Ether	3.684	74	183334	160.071	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.068	101	340076	140.403	ug/l	99
10) Methyl Iodide	4.281	142	496033	148.259	ug/l	99
11) Tert butyl alcohol	5.184	59	103600	921.524	ug/l	99
12) 1,1-Dichloroethene	4.044	96	346337	149.892	ug/l	97
13) Acrolein	3.891	56	64982	709.461	ug/l	99
14) Allyl chloride	4.672	41	536591	169.025	ug/l	98
15) Acrylonitrile	5.373	53	394920	843.816	ug/l	99
16) Acetone	4.129	43	318580	789.595	ug/l	95
17) Carbon Disulfide	4.391	76	1024246	146.707	ug/l	98
18) Methyl Acetate	4.672	43	186679	158.249	ug/l	100
19) Methyl tert-butyl Ether	5.434	73	496656	165.369	ug/l	98
20) Methylene Chloride	4.922	84	374767	121.477	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	402067	153.159	ug/l	96
22) Diisopropyl ether	6.318	45	1101396	165.427	ug/l	96
23) Vinyl Acetate	6.257	43	3221487	895.315	ug/l	99
24) 1,1-Dichloroethane	6.220	63	729945	155.842	ug/l	98
25) 2-Butanone	7.171	43	504888	867.799	ug/l	97
26) 2,2-Dichloropropane	7.171	77	418986	148.360	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	442827	158.633	ug/l	98
28) Bromochloromethane	7.519	49	280352	151.679	ug/l	97
29) Tetrahydrofuran	7.531	42	322860	891.692	ug/l	99
30) Chloroform	7.677	83	750389	151.394	ug/l	99
31) Cyclohexane	7.958	56	625513	147.005	ug/l	95
32) 1,1,1-Trichloroethane	7.878	97	613338	152.298	ug/l	99
36) 1,1-Dichloropropene	8.086	75	588856	152.975	ug/l	99
37) Ethyl Acetate	7.256	43	229568	168.575	ug/l	99
38) Carbon Tetrachloride	8.073	117	580419	150.342	ug/l	95
39) Methylcyclohexane	9.335	83	720865	162.009	ug/l	96
40) Benzene	8.329	78	1581397	150.532	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	140213	189.441	ug/l	94
42) 1,2-Dichloroethane	8.403	62	502363	156.971	ug/l	99
43) Isopropyl Acetate	8.427	43	454200	174.089	ug/l	98
44) Trichloroethene	9.098	130	415224	149.483	ug/l	91
45) 1,2-Dichloropropane	9.372	63	386721	151.394	ug/l	97
46) Dibromomethane	9.457	93	218784	152.876	ug/l	97
47) Bromodichloromethane	9.646	83	564010	157.890	ug/l	97
48) Methyl methacrylate	9.439	41	222208	195.227	ug/l	92
49) 1,4-Dioxane	9.457	88	64586	3517.174	ug/l #	99
51) 4-Methyl-2-Pentanone	10.213	43	1153616	857.418	ug/l	100
52) Toluene	10.390	92	1047982	157.483	ug/l	99
53) t-1,3-Dichloropropene	10.610	75	581807	169.907	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	654439	163.231	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	295717	152.768	ug/l	97
56) Ethyl methacrylate	10.646	69	402619	184.115	ug/l	99
57) 1,3-Dichloropropane	10.933	76	520470	156.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	789852	806.905	ug/l	99
59) 2-Hexanone	10.969	43	780728	864.732	ug/l	99
60) Dibromochloromethane	11.128	129	364347	162.810	ug/l	98
61) 1,2-Dibromoethane	11.237	107	284455	157.794	ug/l	97
64) Tetrachloroethene	10.866	164	343717	148.540	ug/l	93
65) Chlorobenzene	11.658	112	1099859	154.278	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	396001	154.702	ug/l	99
67) Ethyl Benzene	11.731	91	2039826	160.558	ug/l	100
68) m/p-Xylenes	11.841	106	1597168	318.515	ug/l	98
69) o-Xylene	12.170	106	757530	164.745	ug/l	100
70) Styrene	12.182	104	1301076	167.248	ug/l	100
71) Bromoform	12.353	173	206426	166.172	ug/l #	99
73) Isopropylbenzene	12.463	105	2022027	167.741	ug/l	98
74) N-amyl acetate	12.274	43	446761	183.536	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	335315	155.026	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	239745m	160.902	ug/l	
77) Bromobenzene	12.749	156	433173	155.667	ug/l	96
78) n-propylbenzene	12.804	91	2458522	162.145	ug/l	98
79) 2-Chlorotoluene	12.890	91	1425549	161.876	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	1705572	161.083	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	113345	174.824	ug/l	96
82) 4-Chlorotoluene	12.987	91	1449063	156.208	ug/l	98
83) tert-Butylbenzene	13.207	119	1485443	167.310	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	1689972	162.450	ug/l	98
85) sec-Butylbenzene	13.383	105	2151369	159.423	ug/l	100
86) p-Isopropyltoluene	13.499	119	1849653	163.303	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	875072	147.738	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	849090	145.521	ug/l	99
89) n-Butylbenzene	13.822	91	1758639	161.431	ug/l	99
90) Hexachloroethane	14.091	117	339516	156.115	ug/l	96
91) 1,2-Dichlorobenzene	13.865	146	776234	152.041	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	57527	164.819	ug/l	99
93) 1,2,4-Trichlorobenzene	15.127	180	479903	154.536	ug/l	98
94) Hexachlorobutadiene	15.231	225	270996	145.406	ug/l	97
95) Naphthalene	15.365	128	928747	173.805	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	430382	158.064	ug/l	97

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

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