

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090721\
 Data File : VW019983.D
 Acq On : 07 Sep 2021 12:54
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/8/2021 7:11:51 PM

Quant Time: Sep 08 10:51:05 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	207600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	333901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	313507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	160096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	232856	97.271	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	194.540%#
35) Dibromofluoromethane	7.890	113	207120	94.831	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	189.660%#
50) Toluene-d8	10.323	98	823084	101.340	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	202.680%#
62) 4-Bromofluorobenzene	12.621	95	316790	106.686	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	213.380%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	128787	100.842	ug/l	97
3) Chloromethane	2.221	50	191953	103.132	ug/l	98
4) Vinyl Chloride	2.373	62	305515	101.038	ug/l	98
5) Bromomethane	2.782	94	239845	98.251	ug/l	99
6) Chloroethane	2.928	64	210776	100.824	ug/l	99
7) Trichlorofluoromethane	3.263	101	184429	105.341	ug/l	93
8) Diethyl Ether	3.690	74	111321	104.703	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.068	101	221848	98.667	ug/l	99
10) Methyl Iodide	4.281	142	312168	100.511	ug/l	99
11) Tert butyl alcohol	5.196	59	55752	534.222	ug/l	98
12) 1,1-Dichloroethene	4.050	96	222800	103.875	ug/l	96
13) Acrolein	3.897	56	40760	479.385	ug/l	99
14) Allyl chloride	4.678	41	314882	106.849	ug/l	98
15) Acrylonitrile	5.373	53	231212	532.186	ug/l	99
16) Acetone	4.135	43	191912	512.392	ug/l	97
17) Carbon Disulfide	4.397	76	652618	100.698	ug/l	98
18) Methyl Acetate	4.672	43	110148	100.586	ug/l	100
19) Methyl tert-butyl Ether	5.428	73	300963	107.951	ug/l	96
20) Methylene Chloride	4.922	84	229093	79.994	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	249496	102.382	ug/l	97
22) Diisopropyl ether	6.311	45	686396	111.059	ug/l	98
23) Vinyl Acetate	6.257	43	1963033	587.708	ug/l	99
24) 1,1-Dichloroethane	6.220	63	443175	101.926	ug/l	99
25) 2-Butanone	7.171	43	294023	544.402	ug/l	98
26) 2,2-Dichloropropane	7.171	77	263104	100.360	ug/l	100
27) cis-1,2-Dichloroethene	7.177	96	270678	104.454	ug/l	98
28) Bromochloromethane	7.519	49	176331	102.769	ug/l	98
29) Tetrahydrofuran	7.537	42	193172	574.724	ug/l	99
30) Chloroform	7.677	83	459655	99.901	ug/l	99
31) Cyclohexane	7.958	56	395168	100.044	ug/l	97
32) 1,1,1-Trichloroethane	7.878	97	378775	101.319	ug/l	98
36) 1,1-Dichloropropene	8.086	75	373526	105.044	ug/l	99
37) Ethyl Acetate	7.256	43	138331	109.961	ug/l	97
38) Carbon Tetrachloride	8.073	117	374694	105.064	ug/l	100
39) Methylcyclohexane	9.341	83	466161	113.412	ug/l	99
40) Benzene	8.329	78	1002941	103.348	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	79621	116.453	ug/l	93
42) 1,2-Dichloroethane	8.403	62	311655	105.418	ug/l	98
43) Isopropyl Acetate	8.427	43	271927	112.827	ug/l	98
44) Trichloroethene	9.098	130	261766	102.014	ug/l	96
45) 1,2-Dichloropropane	9.372	63	240841	102.066	ug/l	97
46) Dibromomethane	9.457	93	135076	102.174	ug/l	98
47) Bromodichloromethane	9.646	83	349446	105.898	ug/l	98
48) Methyl methacrylate	9.439	41	120753	114.847	ug/l	98
49) 1,4-Dioxane	9.463	88	36654	2160.806	ug/l #	96
51) 4-Methyl-2-Pentanone	10.213	43	711835	572.730	ug/l	100
52) Toluene	10.390	92	663980	108.013	ug/l	100
53) t-1,3-Dichloropropene	10.610	75	361284	114.214	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	408480	110.292	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	185521	103.750	ug/l	98
56) Ethyl methacrylate	10.646	69	244176	120.875	ug/l	99
57) 1,3-Dichloropropane	10.933	76	330445	107.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.927	63	508003	561.800	ug/l	100
59) 2-Hexanone	10.969	43	484814	581.294	ug/l	99
60) Dibromochloromethane	11.128	129	226051	109.348	ug/l	100
61) 1,2-Dibromoethane	11.237	107	177489	106.583	ug/l	99
64) Tetrachloroethene	10.866	164	225500	103.516	ug/l	96
65) Chlorobenzene	11.658	112	693673	103.357	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	249997	103.741	ug/l	98
67) Ethyl Benzene	11.731	91	1323235	110.635	ug/l	100
68) m/p-Xylenes	11.841	106	1023090	216.725	ug/l	98
69) o-Xylene	12.170	106	488518	112.852	ug/l	100
70) Styrene	12.182	104	830402	113.387	ug/l	99
71) Bromoform	12.353	173	129035	110.336	ug/l #	100
73) Isopropylbenzene	12.463	105	1324926	115.245	ug/l	99
74) N-amyl acetate	12.274	43	274804	118.371	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	219995	106.645	ug/l	97
76) 1,2,3-Trichloropropane	12.768	75	153615m	108.099	ug/l	
77) Bromobenzene	12.749	156	285002	107.389	ug/l	98
78) n-propylbenzene	12.804	91	1635320	113.086	ug/l	98
79) 2-Chlorotoluene	12.896	91	932254	110.997	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	1154057	114.284	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	71540	115.698	ug/l	95
82) 4-Chlorotoluene	12.993	91	953549	107.780	ug/l	98
83) tert-Butylbenzene	13.207	119	970371	114.599	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	1105297	111.403	ug/l	96
85) sec-Butylbenzene	13.383	105	1472568	114.417	ug/l	100
86) p-Isopropyltoluene	13.493	119	1227797	113.660	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	600296	106.265	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	580139	104.251	ug/l	99
89) n-Butylbenzene	13.822	91	1189894	114.523	ug/l	99
90) Hexachloroethane	14.091	117	220260	106.193	ug/l	98
91) 1,2-Dichlorobenzene	13.871	146	513724	105.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	37654	113.116	ug/l	99
93) 1,2,4-Trichlorobenzene	15.133	180	318837	107.652	ug/l	99
94) Hexachlorobutadiene	15.231	225	187709	105.604	ug/l	96
95) Naphthalene	15.365	128	594219	116.597	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	278904	107.402	ug/l	97

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

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