

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080321\
 Data File : VW019656.D
 Acq On : 03 Aug 2021 13:12
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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8/4/2021 7:04:07 PM

Quant Time: Aug 03 15:59:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W080321S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 15:58:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	597171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	1004072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	905312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	457442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	40963	5.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.780%#
35) Dibromofluoromethane	7.884	113	34965	5.268	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	10.540%#
50) Toluene-d8	10.323	98	138145	5.326	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	10.660%#
62) 4-Bromofluorobenzene	12.615	95	46637	5.040	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	10.080%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	18935	5.652	ug/l	95
3) Chloromethane	2.215	50	28726	6.295	ug/l	96
4) Vinyl Chloride	2.367	62	39690	5.973	ug/l	95
5) Bromomethane	2.782	94	30364	6.106	ug/l	83
6) Chloroethane	2.916	64	16145	3.822	ug/l	100
7) Trichlorofluoromethane	3.245	101	25380	5.031	ug/l	93
8) Diethyl Ether	3.684	74	16203	5.189	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.056	101	34170	5.665	ug/l	98
10) Methyl Iodide	4.263	142	41792	5.377	ug/l	96
11) Tert butyl alcohol	5.275	59	7262m	24.583	ug/l	
12) 1,1-Dichloroethene	4.031	96	33289	5.595	ug/l	95
13) Acrolein	3.903	56	7144	22.055	ug/l	96
14) Allyl chloride	4.665	41	43526	5.070	ug/l #	88
15) Acrylonitrile	5.379	53	33878	25.211	ug/l	98
16) Acetone	4.147	43	33017	29.413	ug/l	93
17) Carbon Disulfide	4.373	76	83561	5.310	ug/l	98
18) Methyl Acetate	4.684	43	23728	7.100	ug/l	98
19) Methyl tert-butyl Ether	5.428	73	42393	4.845	ug/l	99
20) Methylene Chloride	4.909	84	84894	8.734	ug/l	97
21) trans-1,2-Dichloroethene	5.421	96	35199	5.339	ug/l	98
22) Diisopropyl ether	6.311	45	87764	4.800	ug/l	91
23) Vinyl Acetate	6.257	43	224970	21.099	ug/l	98
24) 1,1-Dichloroethane	6.214	63	67154	5.322	ug/l	100
25) 2-Butanone	7.189	43	38800	23.903	ug/l	91
26) 2,2-Dichloropropane	7.165	77	36207	5.170	ug/l	100
27) cis-1,2-Dichloroethene	7.165	96	36747	5.056	ug/l	98
28) Bromochloromethane	7.513	49	24544	4.936	ug/l	99
29) Tetrahydrofuran	7.543	42	25599	24.597	ug/l	97
30) Chloroform	7.677	83	69318	5.413	ug/l	97
31) Cyclohexane	7.951	56	68463	6.151	ug/l #	78
32) 1,1,1-Trichloroethane	7.872	97	51832	5.214	ug/l	96
36) 1,1-Dichloropropene	8.079	75	52099	5.295	ug/l	99
37) Ethyl Acetate	7.263	43	17642	4.623	ug/l	99
38) Carbon Tetrachloride	8.067	117	47771	5.241	ug/l	94
39) Methylcyclohexane	9.335	83	56214	4.974	ug/l	98
40) Benzene	8.323	78	143165	5.283	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.494	41	9241	4.297	ug/l #	85
42) 1,2-Dichloroethane	8.403	62	44786	5.280	ug/l	99
43) Isopropyl Acetate	8.427	43	32796	4.531	ug/l	97
44) Trichloroethene	9.091	130	37035	5.313	ug/l	95
45) 1,2-Dichloropropane	9.366	63	36286	5.287	ug/l	96
46) Dibromomethane	9.457	93	18644	5.136	ug/l	96
47) Bromodichloromethane	9.646	83	44647	4.925	ug/l #	96
48) Methyl methacrylate	9.439	41	13778	4.283	ug/l #	86
49) 1,4-Dioxane	9.512	88	4380	92.707	ug/l #	95
51) 4-Methyl-2-Pentanone	10.213	43	86266	22.778	ug/l	94
52) Toluene	10.384	92	83532	4.893	ug/l	98
53) t-1,3-Dichloropropene	10.603	75	39335	4.444	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	47624	4.602	ug/l #	91
55) 1,1,2-Trichloroethane	10.786	97	26269	5.177	ug/l	95
56) Ethyl methacrylate	10.646	69	25363	4.157	ug/l #	93
57) 1,3-Dichloropropane	10.933	76	44879	5.007	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.927	63	57919	20.435	ug/l	99
59) 2-Hexanone	10.969	43	57579	22.549	ug/l	93
60) Dibromochloromethane	11.128	129	25378	4.598	ug/l	96
61) 1,2-Dibromoethane	11.237	107	23376	4.941	ug/l	98
64) Tetrachloroethene	10.866	164	30067	5.351	ug/l	95
65) Chlorobenzene	11.658	112	96358	5.364	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.725	131	30489	4.956	ug/l	99
67) Ethyl Benzene	11.731	91	161061	4.945	ug/l	98
68) m/p-Xylenes	11.841	106	121524	9.767	ug/l	97
69) o-Xylene	12.164	106	52594	4.562	ug/l	92
70) Styrene	12.182	104	87192	4.475	ug/l	97
71) Bromoform	12.353	173	13123	4.440	ug/l #	89
73) Isopropylbenzene	12.463	105	150849	4.658	ug/l	97
74) N-amyl acetate	12.274	43	28737	4.218	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.713	83	29431	4.947	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	23244m	3.751	ug/l	
77) Bromobenzene	12.743	156	35333	4.971	ug/l	96
78) n-propylbenzene	12.804	91	183377	4.605	ug/l	100
79) 2-Chlorotoluene	12.890	91	113229	4.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	127606	4.622	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	7240	4.275	ug/l #	84
82) 4-Chlorotoluene	12.987	91	115689	4.765	ug/l	97
83) tert-Butylbenzene	13.207	119	107401	4.527	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	125831	4.578	ug/l	99
85) sec-Butylbenzene	13.383	105	168851	4.687	ug/l	99
86) p-Isopropyltoluene	13.493	119	133593	4.519	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	74702	4.988	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	78400	5.266	ug/l	95
89) n-Butylbenzene	13.822	91	138229	4.753	ug/l	97
90) Hexachloroethane	14.091	117	25239	4.680	ug/l	89
91) 1,2-Dichlorobenzene	13.871	146	66220	5.033	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	4359	4.499	ug/l	94
93) 1,2,4-Trichlorobenzene	15.133	180	38504	4.718	ug/l	98
94) Hexachlorobutadiene	15.231	225	24173	5.095	ug/l	97
95) Naphthalene	15.365	128	60553	3.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	32993	4.573	ug/l	100

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

