

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080321\
 Data File : VW019658.D
 Acq On : 03 Aug 2021 14:08
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00g/5.00mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/4/2021 7:04:11 PM

Quant Time: Aug 03 16:00:32 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	7.951	168	706285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	1160379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	1063020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	529482	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	168315	18.731	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	37.460%#
35) Dibromofluoromethane	7.891	113	145076	18.915	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	37.820%#
50) Toluene-d8	10.323	98	569074	18.986	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	37.980%#
62) 4-Bromofluorobenzene	12.621	95	203174	18.998	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	38.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	71146	17.957	ug/l	99
3) Chloromethane	2.215	50	96177	17.820	ug/l	97
4) Vinyl Chloride	2.367	62	149375	19.008	ug/l	100
5) Bromomethane	2.788	94	111385	18.937	ug/l	94
6) Chloroethane	2.928	64	101832	20.380	ug/l	99
7) Trichlorofluoromethane	3.257	101	118500	19.859	ug/l	97
8) Diethyl Ether	3.690	74	69614	18.849	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.068	101	140379	19.678	ug/l	98
10) Methyl Iodide	4.275	142	172137	18.727	ug/l	98
11) Tert butyl alcohol	5.220	59	32664	93.491	ug/l #	91
12) 1,1-Dichloroethene	4.044	96	133465	18.965	ug/l	98
13) Acrolein	3.903	56	33066	86.309	ug/l	96
14) Allyl chloride	4.672	41	191424	18.854	ug/l	89
15) Acrylonitrile	5.385	53	144056	90.642	ug/l	97
16) Acetone	4.141	43	126840	95.537	ug/l	89
17) Carbon Disulfide	4.385	76	362371	19.471	ug/l	99
18) Methyl Acetate	4.678	43	68374	17.298	ug/l	98
19) Methyl tert-butyl Ether	5.428	73	198264	19.160	ug/l	96
20) Methylene Chloride	4.922	84	205948	17.914	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	150177	19.259	ug/l	98
22) Diisopropyl ether	6.318	45	420886	19.464	ug/l	97
23) Vinyl Acetate	6.263	43	1211084	96.035	ug/l	99
24) 1,1-Dichloroethane	6.220	63	282967	18.960	ug/l	99
25) 2-Butanone	7.177	43	177106	92.253	ug/l	97
26) 2,2-Dichloropropane	7.171	77	164269	19.831	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	163516	19.023	ug/l	98
28) Bromochloromethane	7.519	49	118054	20.073	ug/l	100
29) Tetrahydrofuran	7.537	42	113042	91.836	ug/l	99
30) Chloroform	7.677	83	285960	18.879	ug/l	99
31) Cyclohexane	7.958	56	254918	19.364	ug/l	94
32) 1,1,1-Trichloroethane	7.878	97	227581	19.358	ug/l	97
36) 1,1-Dichloropropene	8.086	75	226443	19.913	ug/l	100
37) Ethyl Acetate	7.256	43	85253	19.330	ug/l	98
38) Carbon Tetrachloride	8.073	117	208516	19.794	ug/l	97
39) Methylcyclohexane	9.341	83	261959	20.057	ug/l	94
40) Benzene	8.323	78	621564	19.846	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	50292	20.233	ug/l	95
42) 1,2-Dichloroethane	8.403	62	191559	19.542	ug/l	99
43) Isopropyl Acetate	8.427	43	158552	18.952	ug/l	99
44) Trichloroethene	9.091	130	158843	19.718	ug/l	96
45) 1,2-Dichloropropane	9.372	63	155657	19.625	ug/l	96
46) Dibromomethane	9.463	93	83768	19.969	ug/l	97
47) Bromodichloromethane	9.646	83	202284	19.309	ug/l	98
48) Methyl methacrylate	9.439	41	71289	19.174	ug/l	95
49) 1,4-Dioxane	9.482	88	20300	371.790	ug/l #	94
51) 4-Methyl-2-Pentanone	10.213	43	427660	97.711	ug/l	97
52) Toluene	10.390	92	395897	20.066	ug/l	97
53) t-1,3-Dichloropropene	10.610	75	197823	19.341	ug/l	98
54) cis-1,3-Dichloropropene	10.073	75	234598	19.617	ug/l	95
55) 1,1,2-Trichloroethane	10.786	97	113936	19.431	ug/l	99
56) Ethyl methacrylate	10.646	69	133307	18.904	ug/l #	94
57) 1,3-Dichloropropane	10.933	76	201466	19.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	332156	101.403	ug/l	98
59) 2-Hexanone	10.969	43	287804	97.526	ug/l	96
60) Dibromochloromethane	11.128	129	123546	19.370	ug/l	97
61) 1,2-Dibromoethane	11.237	107	106302	19.442	ug/l	98
64) Tetrachloroethene	10.866	164	131959	20.002	ug/l	97
65) Chlorobenzene	11.658	112	420305	19.925	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.731	131	140589	19.461	ug/l	99
67) Ethyl Benzene	11.731	91	769617	20.122	ug/l	98
68) m/p-Xylenes	11.841	106	592261	40.537	ug/l	98
69) o-Xylene	12.170	106	267701	19.776	ug/l	94
70) Styrene	12.182	104	455109	19.894	ug/l	99
71) Bromoform	12.347	173	65589	18.900	ug/l #	95
73) Isopropylbenzene	12.463	105	733725	19.574	ug/l	100
74) N-amyl acetate	12.274	43	151473	19.209	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.713	83	133954	19.453	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	92478m	12.895	ug/l	
77) Bromobenzene	12.749	156	160082	19.457	ug/l	99
78) n-propylbenzene	12.804	91	940725	20.412	ug/l	99
79) 2-Chlorotoluene	12.890	91	537322	19.884	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	644279	20.162	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	36680	18.714	ug/l	91
82) 4-Chlorotoluene	12.987	91	566673	20.163	ug/l	99
83) tert-Butylbenzene	13.207	119	548964	19.991	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	650258	20.437	ug/l	99
85) sec-Butylbenzene	13.383	105	838508	20.109	ug/l	99
86) p-Isopropyltoluene	13.499	119	695560	20.329	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	338287	19.516	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	344026	19.962	ug/l	98
89) n-Butylbenzene	13.822	91	683914	20.318	ug/l	98
90) Hexachloroethane	14.091	117	118809	19.034	ug/l	90
91) 1,2-Dichlorobenzene	13.865	146	305679	20.074	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	20853	18.593	ug/l	97
93) 1,2,4-Trichlorobenzene	15.127	180	188012	19.901	ug/l	98
94) Hexachlorobutadiene	15.231	225	110060	20.041	ug/l	99
95) Naphthalene	15.365	128	331309	18.813	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	167498	20.058	ug/l	99

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

