

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110521\
 Data File : VW020760.D
 Acq On : 04 Nov 2021 14:02
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 04 15:41:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W110521S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 04 15:39:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	113300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	170845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	152125	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	81112	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	23801	21.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	42.960%#
35) Dibromofluoromethane	7.885	113	21926	19.731	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	39.460%#
50) Toluene-d8	10.323	98	85752	21.701	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	43.400%#
62) 4-Bromofluorobenzene	12.615	95	32504	22.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	45.920%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.008	85	3898	13.853	ug/l	86
3) Chloromethane	2.215	50	14649	21.185	ug/l	94
4) Vinyl Chloride	2.355	62	17739	14.146	ug/l	99
5) Bromomethane	2.757	94	10802	10.502	ug/l	94
6) Chloroethane	2.916	64	6559	12.467	ug/l	98
7) Trichlorofluoromethane	3.251	101	8959	19.762	ug/l	91
8) Diethyl Ether	3.684	74	9088	20.463	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.062	101	18092	17.507	ug/l	98
10) Methyl Iodide	4.275	142	22763	17.042	ug/l	97
11) Tert butyl alcohol	5.172	59	6503	136.950	ug/l	# 88
12) 1,1-Dichloroethene	4.038	96	17441	17.990	ug/l	# 80
13) Acrolein	3.897	56	2550	152.813	ug/l	# 83
14) Allyl chloride	4.666	41	29893	32.255	ug/l	# 79
15) Acrylonitrile	5.367	53	20103	116.267	ug/l	97
16) Acetone	4.123	43	18757	109.110	ug/l	# 87
17) Carbon Disulfide	4.379	76	47470	19.102	ug/l	99
18) Methyl Acetate	4.672	43	15969	27.589	ug/l	# 80
19) Methyl tert-butyl Ether	5.422	73	27078	23.369	ug/l	93
20) Methylene Chloride	4.916	84	26778	19.721	ug/l	# 69
21) trans-1,2-Dichloroethene	5.422	96	18942	17.716	ug/l	# 81
22) Diisopropyl ether	6.312	45	59402	27.519	ug/l	# 90
23) Vinyl Acetate	6.251	43	158053	134.398	ug/l	# 86
24) 1,1-Dichloroethane	6.214	63	35462	20.836	ug/l	97
25) 2-Butanone	7.171	43	27633	126.975	ug/l	# 80
26) 2,2-Dichloropropane	7.165	77	22657	21.842	ug/l	93
27) cis-1,2-Dichloroethene	7.171	96	21248	18.004	ug/l	81
28) Bromochloromethane	7.513	49	16710	24.028	ug/l	# 67
29) Tetrahydrofuran	7.531	42	17557	136.599	ug/l	# 70
30) Chloroform	7.677	83	36161	17.762	ug/l	100
31) Cyclohexane	7.952	56	35930	23.019	ug/l	# 77
32) 1,1,1-Trichloroethane	7.872	97	30413	18.602	ug/l	95
36) 1,1-Dichloropropene	8.080	75	28029	19.736	ug/l	94
37) Ethyl Acetate	7.250	43	12073	25.671	ug/l	# 93
38) Carbon Tetrachloride	8.067	117	29247	19.339	ug/l	89
39) Methylcyclohexane	9.335	83	35727	20.651	ug/l	# 83
40) Benzene	8.323	78	77136	18.917	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	7744	31.804	ug/l #	78
42) 1,2-Dichloroethane	8.403	62	23682	20.243	ug/l	96
43) Isopropyl Acetate	8.421	43	24785	26.999	ug/l #	87
44) Trichloroethene	9.092	130	21579	17.489	ug/l	97
45) 1,2-Dichloropropane	9.372	63	19350	21.436	ug/l	99
46) Dibromomethane	9.457	93	10315	17.087	ug/l	99
47) Bromodichloromethane	9.646	83	27624	19.218	ug/l	99
48) Methyl methacrylate	9.433	41	11111	26.235	ug/l #	79
49) 1,4-Dioxane	9.445	88	2677	378.852	ug/l #	71
51) 4-Methyl-2-Pentanone	10.207	43	62896	132.730	ug/l #	85
52) Toluene	10.390	92	50440	19.099	ug/l	93
53) t-1,3-Dichloropropene	10.610	75	28312	20.997	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	32001	20.720	ug/l #	77
55) 1,1,2-Trichloroethane	10.786	97	14281	17.338	ug/l	96
56) Ethyl methacrylate	10.646	69	19993	21.820	ug/l #	76
57) 1,3-Dichloropropane	10.933	76	25188	18.964	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.921	63	50121	126.519	ug/l	90
59) 2-Hexanone	10.969	43	44833	133.923	ug/l	83
60) Dibromochloromethane	11.128	129	19046	18.384	ug/l	97
61) 1,2-Dibromoethane	11.238	107	14386	17.630	ug/l	100
64) Tetrachloroethene	10.866	164	19018	18.655	ug/l	93
65) Chlorobenzene	11.658	112	53405	18.328	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	20096	18.586	ug/l	98
67) Ethyl Benzene	11.731	91	98044	19.786	ug/l	97
68) m/p-Xylenes	11.835	106	76986	38.714	ug/l	95
69) o-Xylene	12.164	106	36888	19.775	ug/l	95
70) Styrene	12.183	104	61589	19.715	ug/l	93
71) Bromoform	12.353	173	11526	18.862	ug/l #	98
73) Isopropylbenzene	12.463	105	102015	20.382	ug/l	98
74) N-amyl acetate	12.274	43	25849	29.847	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.713	83	16999	18.620	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	13966m	21.365	ug/l	
77) Bromobenzene	12.750	156	22708	18.296	ug/l	86
78) n-propylbenzene	12.804	91	119675	19.728	ug/l	99
79) 2-Chlorotoluene	12.890	91	68896	20.019	ug/l	96
80) 1,3,5-Trimethylbenzene	12.945	105	86014	20.012	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	5941	22.037	ug/l	87
82) 4-Chlorotoluene	12.987	91	71774	19.982	ug/l	99
83) tert-Butylbenzene	13.201	119	75861	20.232	ug/l	95
84) 1,2,4-Trimethylbenzene	13.249	105	85773	20.306	ug/l	99
85) sec-Butylbenzene	13.384	105	110939	19.564	ug/l	99
86) p-Isopropyltoluene	13.499	119	95004	19.956	ug/l	97
87) 1,3-Dichlorobenzene	13.499	146	46781	18.112	ug/l	95
88) 1,4-Dichlorobenzene	13.579	146	47315	18.323	ug/l	98
89) n-Butylbenzene	13.823	91	89873	20.111	ug/l	99
90) Hexachloroethane	14.091	117	18938	20.096	ug/l	90
91) 1,2-Dichlorobenzene	13.865	146	40648	17.673	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	3169	22.908	ug/l	82
93) 1,2,4-Trichlorobenzene	15.127	180	28786	19.700	ug/l	96
94) Hexachlorobutadiene	15.231	225	18906	22.786	ug/l	94
95) Naphthalene	15.365	128	51699	20.248	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	25171	20.124	ug/l	99

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

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