

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110521\
 Data File : VW020763.D
 Acq On : 04 Nov 2021 15:15
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 04 15:44:07 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	7.951	168	114926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	171381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	155599	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	77001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	179098	159.320	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 318.640%#	
35) Dibromofluoromethane	7.884	113	167108	149.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 299.820%#	
50) Toluene-d8	10.323	98	661991	167.006	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 334.020%#	
62) 4-Bromofluorobenzene	12.621	95	250841	176.665	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 353.340%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.007	85	44049	154.332	ug/l	89
3) Chloromethane	2.215	50	107849	153.761	ug/l	98
4) Vinyl Chloride	2.355	62	149817	117.781	ug/l	98
5) Bromomethane	2.733	94	91385	87.588	ug/l	95
6) Chloroethane	2.904	64	62129	116.417	ug/l	95
7) Trichlorofluoromethane	3.245	101	78391	170.473	ug/l	89
8) Diethyl Ether	3.678	74	76714	170.291	ug/l	62
9) 1,1,2-Trichlorotrifluo...	4.056	101	155554	148.398	ug/l	99
10) Methyl Iodide	4.269	142	210127	155.087	ug/l	97
11) Tert butyl alcohol	5.171	59	52737	1094.901	ug/l	# 90
12) 1,1-Dichloroethene	4.031	96	153414	156.004	ug/l	# 80
13) Acrolein	3.891	56	14886	879.449	ug/l	91
14) Allyl chloride	4.659	41	259669	276.221	ug/l	# 81
15) Acrylonitrile	5.367	53	170313	971.083	ug/l	96
16) Acetone	4.117	43	198907	1140.676	ug/l	89
17) Carbon Disulfide	4.379	76	422828	167.736	ug/l	97
18) Methyl Acetate	4.665	43	122800	209.154	ug/l	# 80
19) Methyl tert-butyl Ether	5.421	73	210288	178.918	ug/l	# 92
20) Methylene Chloride	4.915	84	157701	114.497	ug/l	# 72
21) trans-1,2-Dichloroethene	5.421	96	166657	153.661	ug/l	# 74
22) Diisopropyl ether	6.311	45	512931	234.259	ug/l	# 90
23) Vinyl Acetate	6.250	43	1409941	1181.960	ug/l	# 86
24) 1,1-Dichloroethane	6.214	63	307803	178.291	ug/l	96
25) 2-Butanone	7.165	43	247963	1123.280	ug/l	# 82
26) 2,2-Dichloropropane	7.165	77	185689	176.473	ug/l	93
27) cis-1,2-Dichloroethene	7.171	96	187656	156.760	ug/l	82
28) Bromochloromethane	7.512	49	132035	187.175	ug/l	# 67
29) Tetrahydrofuran	7.531	42	149183	1144.266	ug/l	# 70
30) Chloroform	7.677	83	315191	152.629	ug/l	100
31) Cyclohexane	7.951	56	295506	186.641	ug/l	# 75
32) 1,1,1-Trichloroethane	7.872	97	262482	158.273	ug/l	95
36) 1,1-Dichloropropene	8.079	75	245871	172.579	ug/l	95
37) Ethyl Acetate	7.250	43	105116	222.807	ug/l	# 91
38) Carbon Tetrachloride	8.067	117	251714	165.917	ug/l	92
39) Methylcyclohexane	9.335	83	320151	184.472	ug/l	# 84
40) Benzene	8.323	78	683621	167.130	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	63106	258.359	ug/l #	77
42) 1,2-Dichloroethane	8.396	62	205976	175.515	ug/l	95
43) Isopropyl Acetate	8.421	43	221344	240.361	ug/l #	86
44) Trichloroethene	9.091	130	189001	152.697	ug/l	99
45) 1,2-Dichloropropane	9.366	63	166636	184.024	ug/l	98
46) Dibromomethane	9.457	93	91624	151.302	ug/l	96
47) Bromodichloromethane	9.646	83	244117	169.297	ug/l	99
48) Methyl methacrylate	9.433	41	106389	250.419	ug/l #	72
49) 1,4-Dioxane	9.445	88	24252	3421.434	ug/l #	78
51) 4-Methyl-2-Pentanone	10.207	43	530328	1115.652	ug/l #	86
52) Toluene	10.384	92	437578	165.172	ug/l	94
53) t-1,3-Dichloropropene	10.603	75	249328	184.329	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	280722	181.190	ug/l #	80
55) 1,1,2-Trichloroethane	10.786	97	122426	148.168	ug/l	97
56) Ethyl methacrylate	10.646	69	174267	189.596	ug/l #	75
57) 1,3-Dichloropropane	10.933	76	214227	160.786	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.921	63	347009	873.205	ug/l	90
59) 2-Hexanone	10.969	43	385229	1147.137	ug/l	83
60) Dibromochloromethane	11.128	129	165157	158.920	ug/l	98
61) 1,2-Dibromoethane	11.237	107	121894	148.912	ug/l	100
64) Tetrachloroethene	10.866	164	165672	158.877	ug/l	95
65) Chlorobenzene	11.652	112	473079	158.733	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	177664	160.648	ug/l	97
67) Ethyl Benzene	11.731	91	876615	172.955	ug/l	97
68) m/p-Xylenes	11.841	106	666858	327.853	ug/l	95
69) o-Xylene	12.164	106	326299	171.020	ug/l	97
70) Styrene	12.182	104	550816	172.387	ug/l	94
71) Bromoform	12.347	173	102905	164.637	ug/l #	100
73) Isopropylbenzene	12.463	105	889893	187.286	ug/l	99
74) N-amyl acetate	12.268	43	217167	264.145	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.713	83	138775	160.124	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	115343m	185.870	ug/l	
77) Bromobenzene	12.743	156	200533	170.195	ug/l	85
78) n-propylbenzene	12.804	91	1074040	186.503	ug/l	98
79) 2-Chlorotoluene	12.890	91	602093	184.291	ug/l	95
80) 1,3,5-Trimethylbenzene	12.944	105	733300	179.718	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	51938	202.942	ug/l	88
82) 4-Chlorotoluene	12.987	91	631387	185.161	ug/l	97
83) tert-Butylbenzene	13.207	119	651122	182.924	ug/l	93
84) 1,2,4-Trimethylbenzene	13.249	105	717416	178.913	ug/l	99
85) sec-Butylbenzene	13.383	105	961055	178.531	ug/l	98
86) p-Isopropyltoluene	13.493	119	791884	175.221	ug/l	96
87) 1,3-Dichlorobenzene	13.499	146	400961	163.530	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	392549	160.129	ug/l	96
89) n-Butylbenzene	13.822	91	765706	180.495	ug/l	99
90) Hexachloroethane	14.091	117	162293	181.412	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	342624	156.920	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	25388	193.321	ug/l	85
93) 1,2,4-Trichlorobenzene	15.127	180	240256	173.200	ug/l	98
94) Hexachlorobutadiene	15.237	225	145054	184.159	ug/l	93
95) Naphthalene	15.359	128	410274	169.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	206278	173.720	ug/l	97

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

