

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052521\
 Data File : VW019076.D
 Acq On : 25 May 2021 11:45
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:29:30 AM

Quant Time: May 26 03:12:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W052421S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 24 14:01:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	379531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	613637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	553494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	283172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	228563	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
35) Dibromofluoromethane	7.884	113	211816	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	
50) Toluene-d8	10.323	98	863095	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.615	95	304470	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	130881	48.96	ug/l	97
3) Chloromethane	2.215	50	143408	48.54	ug/l	98
4) Vinyl Chloride	2.367	62	240563	51.95	ug/l	100
5) Bromomethane	2.782	94	193107	51.55	ug/l	97
6) Chloroethane	2.928	64	156590	50.90	ug/l	99
7) Trichlorofluoromethane	3.263	101	134166	49.93	ug/l	99
8) Diethyl Ether	3.684	74	107543	50.77	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.068	101	210066	51.75	ug/l	99
10) Methyl Iodide	4.275	142	298130	51.72	ug/l	98
11) Tert butyl alcohol	5.196	59	53876	231.53	ug/l	99
12) 1,1-Dichloroethene	4.044	96	218503	51.72	ug/l	89
13) Acrolein	3.897	56	65828	228.96	ug/l	99
14) Allyl chloride	4.666	41	294691	52.20	ug/l	99
15) Acrylonitrile	5.367	53	195310	250.87	ug/l	99
16) Acetone	4.135	43	164745	224.98	ug/l	99
17) Carbon Disulfide	4.391	76	594334	52.01	ug/l	98
18) Methyl Acetate	4.672	43	92529	46.71	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	263561	51.27	ug/l	98
20) Methylene Chloride	4.915	84	236551	53.79	ug/l	97
21) trans-1,2-Dichloroethene	5.428	96	243223	51.61	ug/l	99
22) Diisopropyl ether	6.312	45	563127	51.50	ug/l	97
23) Vinyl Acetate	6.257	43	1843694	255.80	ug/l	100
24) 1,1-Dichloroethane	6.214	63	440021	51.94	ug/l	100
25) 2-Butanone	7.171	43	260015	240.57	ug/l	100
26) 2,2-Dichloropropane	7.171	77	249018	51.42	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	269012	51.95	ug/l	98
28) Bromochloromethane	7.513	49	167179	49.85	ug/l	99
29) Tetrahydrofuran	7.531	42	148381	242.34	ug/l	97
30) Chloroform	7.677	83	443133	51.91	ug/l	96
31) Cyclohexane	7.958	56	344866	47.86	ug/l	100
32) 1,1,1-Trichloroethane	7.872	97	348984	53.16	ug/l	98
36) 1,1-Dichloropropene	8.086	75	358406	52.33	ug/l	99
37) Ethyl Acetate	7.250	43	121250	48.98	ug/l	98
38) Carbon Tetrachloride	8.067	117	322930	53.11	ug/l	97
39) Methylcyclohexane	9.335	83	393660	51.73	ug/l	99
40) Benzene	8.323	78	986958	52.88	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	73337	50.69	ug/l	94
42) 1,2-Dichloroethane	8.403	62	284661	51.69	ug/l	100
43) Isopropyl Acetate	8.421	43	239851	50.26	ug/l	100
44) Trichloroethene	9.092	130	258867	52.76	ug/l	95
45) 1,2-Dichloropropane	9.372	63	238532	52.64	ug/l	98
46) Dibromomethane	9.457	93	124548	52.83	ug/l	99
47) Bromodichloromethane	9.646	83	324096	53.33	ug/l	95
48) Methyl methacrylate	9.433	41	112067	50.21	ug/l	97
49) 1,4-Dioxane	9.463	88	30322	1070.72	ug/l #	84
51) 4-Methyl-2-Pentanone	10.207	43	601017	247.91	ug/l	99
52) Toluene	10.390	92	635492	53.43	ug/l	99
53) t-1,3-Dichloropropene	10.604	75	319469	52.83	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	382949	53.40	ug/l	97
55) 1,1,2-Trichloroethane	10.786	97	171920	51.51	ug/l	99
56) Ethyl methacrylate	10.646	69	213120	50.97	ug/l	98
57) 1,3-Dichloropropane	10.933	76	306043	51.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	516557	244.53	ug/l	100
59) 2-Hexanone	10.969	43	400652	245.77	ug/l	100
60) Dibromochloromethane	11.128	129	198680	53.33	ug/l	100
61) 1,2-Dibromoethane	11.238	107	163014	51.91	ug/l	98
64) Tetrachloroethene	10.860	164	204722	51.57	ug/l	93
65) Chlorobenzene	11.658	112	660128	53.59	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	227822	54.11	ug/l	98
67) Ethyl Benzene	11.731	91	1228367	52.62	ug/l	98
68) m/p-Xylenes	11.841	106	944829	110.30	ug/l	99
69) o-Xylene	12.164	106	437276	54.05	ug/l	99
70) Styrene	12.182	104	728029	53.85	ug/l	99
71) Bromoform	12.353	173	109316	53.94	ug/l #	97
73) Isopropylbenzene	12.463	105	1224101	52.96	ug/l	100
74) N-amyl acetate	12.274	43	229820	49.51	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	194945	49.44	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	131719m	48.78	ug/l	
77) Bromobenzene	12.749	156	262615	53.18	ug/l	99
78) n-propylbenzene	12.804	91	1484360	51.84	ug/l	99
79) 2-Chlorotoluene	12.890	91	832257	51.56	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	1020652	52.39	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	59490	49.76	ug/l	99
82) 4-Chlorotoluene	12.987	91	879253	51.68	ug/l	99
83) tert-Butylbenzene	13.207	119	880142	53.00	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	1023802	52.64	ug/l	98
85) sec-Butylbenzene	13.384	105	1298646	52.10	ug/l	100
86) p-Isopropyltoluene	13.499	119	1130627	53.25	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	530091	51.84	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	513084	50.95	ug/l	99
89) n-Butylbenzene	13.822	91	1103688	51.96	ug/l	99
90) Hexachloroethane	14.091	117	181016	53.95	ug/l	97
91) 1,2-Dichlorobenzene	13.871	146	466118	52.36	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	30128	48.10	ug/l	100
93) 1,2,4-Trichlorobenzene	15.133	180	306915	49.92	ug/l	98
94) Hexachlorobutadiene	15.231	225	184261	53.04	ug/l	98
95) Naphthalene	15.365	128	544038	50.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	261470	50.19	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

MMDadoda
5/27/2021 10:29:30 AM

Abundance

TIC: VW019076.D\data.ms

Time-->

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, I

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

1,1,1-Trichloroethane, T

Acetone, T

Methyl iodide, T

Carbon Disulfide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 12-Dichloroethane, T

1,1-Dichloroethane, P

Vinyl Acetate, T

Diisopropyl ether, T

Ethyl Acetate, T

Methacrylonitrile, T

Chloroform, C

Carbon tetrachloride, T

Isobutyl alcohol, T

1,2-Dichloroethane, TM

1,4-Difluorobenzene, I

Trichloroethene, TM

Methylcyclohexane, T

Chloropropane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

4-Methyl-2-Pentanone, T

Coluene, CM

Ethyl methyl 2-Dichloropropene, T

1,1,2-Trichloroethane, T

1,3-Dichloropropane, T

Dibromochloromethane, T

1,2-Dibromoethane, I

Chlorobenzene, PM

Ethyl Benzenes, T

p-Xylenes, T

Styrene, T

Isopropylbenzene, T

n-propylbenzene, T

1,3,5-Trimethylbenzene, T

sec-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, I

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Naphthalene, T

1,2,3-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

Hexachlorobenzene, T