

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031721\
 Data File : VW018352.D
 Acq On : 17 Mar 2021 18:06
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVD031721

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 4:12:39 PM

Quant Time: Mar 18 03:15:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 18:51:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.945	168	387616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	660491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	603585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	328332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	208788	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
35) Dibromofluoromethane	7.884	113	188193	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	10.323	98	733445	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.615	95	292983	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.84%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.014	85	131473	47.69	ug/l	99
3) Chloromethane	2.221	50	208446	48.88	ug/l	99
4) Vinyl Chloride	2.367	62	252794	61.32	ug/l	97
5) Bromomethane	2.782	94	179877	53.49	ug/l	95
6) Chloroethane	2.928	64	165702	51.38	ug/l	93
7) Trichlorofluoromethane	3.263	101	156005	48.71	ug/l	92
8) Diethyl Ether	3.684	74	97178	50.25	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.068	101	180140	49.76	ug/l	96
10) Methyl Iodide	4.275	142	268843	50.51	ug/l	96
11) Tert butyl alcohol	5.153	59	66148	262.58	ug/l	96
12) 1,1-Dichloroethene	4.044	96	186100	49.94	ug/l	93
13) Acrolein	3.891	56	42993	267.64	ug/l	99
14) Allyl chloride	4.666	41	262443	51.70	ug/l	98
15) Acrylonitrile	5.361	53	207120	270.55	ug/l	99
16) Acetone	4.117	43	155976	252.09	ug/l	96
17) Carbon Disulfide	4.385	76	524479	53.63	ug/l	99
18) Methyl Acetate	4.672	43	85505	52.63	ug/l	100
19) Methyl tert-butyl Ether	5.428	73	291036	52.05	ug/l	100
20) Methylene Chloride	4.915	84	210790	52.65	ug/l	93
21) trans-1,2-Dichloroethene	5.428	96	218449	49.84	ug/l	87
22) Diisopropyl ether	6.312	45	534132	51.21	ug/l	97
23) Vinyl Acetate	6.251	43	1701802	263.76	ug/l	98
24) 1,1-Dichloroethane	6.214	63	382586	51.17	ug/l	99
25) 2-Butanone	7.165	43	245131	267.40	ug/l	92
26) 2,2-Dichloropropane	7.171	77	237262	49.35	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	242305	50.72	ug/l	94
28) Bromochloromethane	7.513	49	149274	51.09	ug/l	89
29) Tetrahydrofuran	7.531	42	162323	272.86	ug/l	96
30) Chloroform	7.677	83	403802	51.22	ug/l	98
31) Cyclohexane	7.958	56	339324	47.87	ug/l	93
32) 1,1,1-Trichloroethane	7.872	97	329471	51.38	ug/l	97
36) 1,1-Dichloropropene	8.080	75	324751	49.77	ug/l	100
37) Ethyl Acetate	7.250	43	117187	51.36	ug/l	98
38) Carbon Tetrachloride	8.067	117	310015	50.83	ug/l	95
39) Methylcyclohexane	9.335	83	416856	50.45	ug/l	96
40) Benzene	8.323	78	879513	50.34	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	67594	54.75	ug/l	99
42) 1,2-Dichloroethane	8.403	62	276563	50.41	ug/l	100
43) Isopropyl Acetate	8.421	43	238860	52.14	ug/l	96
44) Trichloroethene	9.092	130	236163	50.20	ug/l	94
45) 1,2-Dichloropropane	9.366	63	211221	50.04	ug/l	99
46) Dibromomethane	9.457	93	122596	52.01	ug/l	100
47) Bromodichloromethane	9.646	83	313860	51.18	ug/l	97
48) Methyl methacrylate	9.433	41	112868	51.96	ug/l	98
49) 1,4-Dioxane	9.445	88	36953	1080.34	ug/l	99
51) 4-Methyl-2-Pentanone	10.207	43	590371	263.93	ug/l	98
52) Toluene	10.390	92	588761	51.09	ug/l	99
53) t-1,3-Dichloropropene	10.604	75	313821	50.24	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	358284	50.27	ug/l	93
55) 1,1,2-Trichloroethane	10.786	97	165634	51.92	ug/l	98
56) Ethyl methacrylate	10.646	69	216907	52.27	ug/l	97
57) 1,3-Dichloropropane	10.933	76	285799	50.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.921	63	560686	266.31	ug/l	96
59) 2-Hexanone	10.969	43	404541	262.69	ug/l	98
60) Dibromochloromethane	11.128	129	202592	51.56	ug/l	99
61) 1,2-Dibromoethane	11.231	107	167270	53.36	ug/l	97
64) Tetrachloroethene	10.860	164	198568	51.57	ug/l	91
65) Chlorobenzene	11.658	112	610235	50.07	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	223521	51.94	ug/l	99
67) Ethyl Benzene	11.731	91	1152889	49.99	ug/l	100
68) m/p-Xylenes	11.841	106	894591	102.24	ug/l	99
69) o-Xylene	12.164	106	412443	50.38	ug/l	99
70) Styrene	12.176	104	704621	51.49	ug/l	99
71) Bromoform	12.347	173	115746	52.76	ug/l #	99
73) Isopropylbenzene	12.463	105	1177459	47.60	ug/l	99
74) N-amyl acetate	12.268	43	232191	47.71	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	198466	49.18	ug/l	100
76) 1,2,3-Trichloropropane	12.768	75	152819m	50.62	ug/l	
77) Bromobenzene	12.743	156	245096	46.28	ug/l	96
78) n-propylbenzene	12.804	91	1415378	48.00	ug/l	100
79) 2-Chlorotoluene	12.890	91	792968	46.94	ug/l	96
80) 1,3,5-Trimethylbenzene	12.945	105	1023857	48.01	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.512	75	66315	48.08	ug/l	91
82) 4-Chlorotoluene	12.987	91	856194	48.09	ug/l	97
83) tert-Butylbenzene	13.201	119	871328	48.17	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	1034089	48.41	ug/l	96
85) sec-Butylbenzene	13.383	105	1224516	48.05	ug/l	98
86) p-Isopropyltoluene	13.499	119	1127945	49.27	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	513548	48.06	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	518937	48.70	ug/l	97
89) n-Butylbenzene	13.822	91	1089520	47.98	ug/l	98
90) Hexachloroethane	14.091	117	205523	48.87	ug/l	97
91) 1,2-Dichlorobenzene	13.871	146	450165	47.83	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	37151	49.67	ug/l	99
93) 1,2,4-Trichlorobenzene	15.127	180	317487	47.63	ug/l	94
94) Hexachlorobutadiene	15.231	225	174265	46.17	ug/l	87
95) Naphthalene	15.359	128	608105	49.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	262377	47.32	ug/l	93

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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
3/18/2021 4:12:39 PM

Abundance

TIC: VW018352.D\data.ms

Time-->

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

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

Dichlorodifluoromethane, T

Chloromethane, P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, I

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

1,1,2-Trichloroethane, C

Methanol, T

Carbon Disulfide, T

Methyl iodide, T

Methylene Chloride, T

Methyl alcohol, T

Tert butyl alcohol, T

Acrylonitrile, T

1,1-Dichloroethane, P

Vinyl Acetate, T

Isopropyl ether, T

Ethyl Acetate, I

Methylcyclohexane, T

Chloroform, C

Dichloromethane, T

Carbon Dioxide, T

1,2-Dichloroethane, TM

Isopropyl Acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

Methylcyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanol, T

Toluene, CM

Ethyl methylcarbamate, T

1,1,2-Trichloroethane, T

1,3-Dichloropropene, T

Dibromodichloromethane, T

1,2-Dibromodichloroethane, T

Chlorobenzene, I

Ethyl Benzenethiol, T

o-Xylenes, T

Isopropylbenzene, T

n-Propylbenzene, T

1,3,5-Trimethylbenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

n-Butylbenzene, T

1,2-Dichlorobenzene, I

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,3-Trichlorobenzene, T

Naphthalene, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, I