

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
 Data File : VY004176.D
 Acq On : 24 Mar 2021 10:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 4:57:26 PM

Quant Time: Mar 25 01:16:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	203981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	315448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	284565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144551	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	103544	51.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.88%			
35) Dibromofluoromethane	7.728	113	96162	54.06	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.12%			
50) Toluene-d8	10.185	98	361665	51.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.72%			
62) 4-Bromofluorobenzene	12.483	95	132087	51.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.56%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	61177	42.73	ug/l	94
3) Chloromethane	2.119	50	85281	43.01	ug/l	99
4) Vinyl Chloride	2.259	62	102459	41.56	ug/l	97
5) Bromomethane	2.656	94	68414	43.44	ug/l	100
6) Chloroethane	2.802	64	66510	44.30	ug/l	97
7) Trichlorofluoromethane	3.131	101	154946	47.29	ug/l	99
8) Diethyl Ether	3.540	74	51442	48.98	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.912	101	88917	48.52	ug/l	98
10) Methyl Iodide	4.101	142	92235	49.25	ug/l	99
11) Tert butyl alcohol	4.972	59	46157	253.61	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	82172	45.82	ug/l	98
13) Acrolein	3.741	56	39291	217.63	ug/l	100
14) Allyl chloride	4.491	41	126857	42.76	ug/l #	89
15) Acrylonitrile	5.180	53	128953	247.07	ug/l	99
16) Acetone	3.960	43	136043	279.99	ug/l	92
17) Carbon Disulfide	4.204	76	216172	40.99	ug/l	98
18) Methyl Acetate	4.491	43	60979	50.80	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	258040	50.53	ug/l	95
20) Methylene Chloride	4.728	84	92134	46.83	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	96165	47.72	ug/l	96
22) Diisopropyl ether	6.131	45	286014	45.68	ug/l	94
23) Vinyl Acetate	6.070	43	956387	232.03	ug/l #	95
24) 1,1-Dichloroethane	6.027	63	163526	47.04	ug/l	99
25) 2-Butanone	6.996	43	180704	257.99	ug/l	91
26) 2,2-Dichloropropane	6.996	77	157534	47.44	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	110848	48.32	ug/l	93
28) Bromochloromethane	7.344	49	72003	47.43	ug/l	88
29) Tetrahydrofuran	7.356	42	111104	244.17	ug/l	92
30) Chloroform	7.515	83	177229	49.20	ug/l	100
31) Cyclohexane	7.795	56	145816	41.29	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	165316	49.47	ug/l	99
36) 1,1-Dichloropropene	7.923	75	132929	47.97	ug/l	97
37) Ethyl Acetate	7.082	43	75803	50.77	ug/l	98
38) Carbon Tetrachloride	7.911	117	150348	51.13	ug/l	98
39) Methylcyclohexane	9.191	83	165753	46.30	ug/l	91
40) Benzene	8.167	78	382001	48.93	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	42419m	45.86	ug/l	
42) 1,2-Dichloroethane	8.246	62	121105	50.75	ug/l	97
43) Isopropyl Acetate	8.283	43	148368	49.53	ug/l	97
44) Trichloroethene	8.947	130	117698	52.06	ug/l	99
45) 1,2-Dichloropropane	9.222	63	94804	48.64	ug/l	99
46) Dibromomethane	9.307	93	57920	51.98	ug/l	98
47) Bromodichloromethane	9.502	83	141846	50.99	ug/l	100
48) Methyl methacrylate	9.295	41	67212	47.22	ug/l #	88
49) 1,4-Dioxane	9.301	88	14910	1051.06	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	390122	257.16	ug/l	96
52) Toluene	10.246	92	251466	49.74	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	144600	49.27	ug/l	94
54) cis-1,3-Dichloropropene	9.935	75	164092	49.90	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	83462	53.26	ug/l	97
56) Ethyl methacrylate	10.514	69	109496	49.98	ug/l	93
57) 1,3-Dichloropropane	10.794	76	137493	51.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	208803	243.06	ug/l	95
59) 2-Hexanone	10.837	43	277940	260.77	ug/l	97
60) Dibromochloromethane	10.990	129	106063	53.91	ug/l	99
61) 1,2-Dibromoethane	11.093	107	80422	52.70	ug/l	99
64) Tetrachloroethene	10.721	164	130786	54.90	ug/l	97
65) Chlorobenzene	11.520	112	279953	51.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	106495	52.20	ug/l	100
67) Ethyl Benzene	11.599	91	492857	49.22	ug/l	97
68) m/p-Xylenes	11.703	106	379062	99.27	ug/l	95
69) o-Xylene	12.032	106	181177	50.19	ug/l	94
70) Styrene	12.050	104	310103	50.17	ug/l	97
71) Bromoform	12.209	173	67108	54.98	ug/l #	99
73) Isopropylbenzene	12.331	105	497665	49.54	ug/l	98
74) N-amyl acetate	12.148	43	136422	47.41	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	87353	50.05	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	68222m	49.22	ug/l	
77) Bromobenzene	12.611	156	118699	51.14	ug/l	98
78) n-propylbenzene	12.672	91	575626	48.63	ug/l	98
79) 2-Chlorotoluene	12.758	91	321021	48.31	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	420017	49.29	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	35059	49.92	ug/l	99
82) 4-Chlorotoluene	12.855	91	335064	47.64	ug/l	96
83) tert-Butylbenzene	13.081	119	364920	49.78	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	424304	49.72	ug/l	98
85) sec-Butylbenzene	13.257	105	500631	49.52	ug/l	99
86) p-Isopropyltoluene	13.373	119	468984	50.04	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	231719	51.72	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	229695	51.37	ug/l	99
89) n-Butylbenzene	13.696	91	434483	48.71	ug/l	99
90) Hexachloroethane	13.965	117	83074	49.33	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	207070	52.11	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17316	52.51	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	146103	54.21	ug/l	98
94) Hexachlorobutadiene	15.117	225	78146	51.72	ug/l	99
95) Naphthalene	15.239	128	294650	55.18	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	123622	54.55	ug/l	99

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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
3/25/2021 4:57:26 PM

Abundance

TIC: VY004176.D\data.ms

Time-->

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

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, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Acetone, T

1,1,1-Trichloroethane, C

Methyl Carbon Disulfide, T

Methyl Acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Methyl 2,2-Dichloroacetate, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

Ethyl Acetate, T

2,2-Dichloropropane, T

Methylacrylonitrile, T

Chloroform, C

Dibromodichloroethane, S

1,2-Dichloroethane, T

1,2-Dichloroethane, TM

1,4-Difluorobenzene, I

Trichloroethene, TM

Methyl 2,2-Dichloroacetate, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

cis-1,3-Dichloropropene, T

4-Methyl-2-Pentanone, T

Toluene, CM

2-Chloropropene, T

Ethyl meth 2,2-Dichloropropene, T

1,1,2-Trichloroethane, I

1,3-Dichloropropane, T

2-Hexanone, T

Tetrachloroethene, T

1,2-Dibromobenzene, T

Dibromochloromethane, T

Chlorobenzene, S

Ethyl 1,1,2-Trichloroethane, T

Styrene, T

o-Xylene, T

Isopropylbenzene, T

n-Propylbenzene, T

1,3,5-Trimethylbenzene, T

tert-Butylbenzene, T

1,2,4-Trimethylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

n-Butylbenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

Hexachlorobutadiene, I

Naphthalene, I

1,2,3-Trichlorobenzene, T