

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010721\
 Data File : VU041859.D
 Acq On : 06 Jan 2021 12:56
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005111

Quant Time: Jan 07 01:16:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR122820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 06:32:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	144860	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	155744	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	77434	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48722	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.92	69	50563	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.57	65	23051	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	146832	45.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.56%
24) Chloroform-d	5.08	84	102303	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.72	65	53997	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	192184	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.70	67	60731	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.90	98	183358	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.18	79	26392	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.64	63	155091	49.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.32%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	55780	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
66) 1,2-Dichlorobenzene-d4	12.19	152	68877	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	67337	5.078 ug/L	100
3) Chloromethane	1.52	50	63594	5.274 ug/L	98
5) Vinyl chloride	1.61	62	75707	5.125 ug/L	97
6) Bromomethane	1.86	94	49261	4.868 ug/L	97
8) Chloroethane	1.94	64	46685	4.991 ug/L	99
9) Trichlorofluoromethane	2.14	101	103593	5.075 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58826	5.117 ug/L	97
12) 1,1-Dichloroethene	2.59	96	56828	4.986 ug/L	92
13) Acetone	2.66	43	101031	45.142 ug/L #	44
14) Carbon disulfide	2.80	76	182280	4.777 ug/L	100
15) Methyl Acetate	2.96	43	23699	4.519 ug/L	98
16) Methylene chloride	3.06	84	72369	5.010 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	120103	4.349 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	53627	4.864 ug/L	99
19) 1,1-Dichloroethane	3.88	63	96056	4.908 ug/L	97
21) 2-Butanone	4.73	43	133376	43.175 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	54523	4.762 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28638	5.150	ug/L	90
25) Chloroform	5.10	83	98438	4.980	ug/L	99
27) 1,2-Dichloroethane	5.81	62	60698	4.719	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	83739	4.495	ug/L	96
30) Cyclohexane	5.40	56	75743	4.415	ug/L	96
31) Carbon tetrachloride	5.54	117	75363	4.568	ug/L	98
33) Benzene	5.78	78	214640	4.623	ug/L	100
34) Trichloroethene	6.55	95	55765	4.595	ug/L	99
35) Methylcyclohexane	6.77	83	81852	4.400	ug/L	99
37) 1,2-Dichloropropane	6.80	63	52921	4.587	ug/L	98
38) Bromodichloromethane	7.11	83	69952	4.618	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	78546	4.541	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	333180	45.118	ug/L	99
42) Toluene	7.97	91	235670	4.812	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	71851	4.539	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	43090	4.613	ug/L	99
47) Tetrachloroethene	8.56	164	44342	4.674	ug/L	96
48) 2-Hexanone	8.69	43	273083	50.570	ug/L	98
49) Dibromochloromethane	8.81	129	54692	4.867	ug/L	90
50) 1,2-Dibromoethane	8.93	107	43388	4.691	ug/L	100
51) Chlorobenzene	9.45	112	164882	5.134	ug/L	100
52) Ethylbenzene	9.57	91	254669	4.990	ug/L	99
53) m,p-Xylene	9.69	106	100415	5.017	ug/L	98
54) o-Xylene	10.10	106	93277	4.892	ug/L	96
55) Styrene	10.11	104	161540	4.920	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	52394	4.269	ug/L	95
59) Bromoform	10.29	173	31349	4.699	ug/L	95
60) Isopropylbenzene	10.48	105	240909	4.972	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	38348	4.411	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	196909	4.951	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	200104	5.067	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	120129	5.127	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	122000	5.123	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	114462	4.912	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	8316	4.156	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	89306	5.086	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	67602	5.278	ug/L	98
71) Naphthalene	14.08	128	103591	4.585	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	63814	5.217	ug/L	99

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

m/z	Abundance
36.00	791.0
37.00	5636.0
38.00	4831.0
39.10	2076.0
39.90	112.0
44.00	704.0
45.10	786.0
46.00	303.0
47.10	1531.0
48.00	853.0
49.10	5209.0
50.10	22888.0
51.10	7492.0
52.10	360.0
52.90	122.0
55.10	316.0
56.10	1957.0
57.00	3113.0
60.00	1274.0
61.10	6050.0
62.10	6428.0
63.10	5030.0
64.10	869.0
65.10	1516.0
66.00	224.0
67.10	436.0
68.10	13480.0
69.10	13936.0
70.10	1104.0
72.00	646.0
73.10	6107.0
74.10	22832.0
75.10	69032.0
76.10	5742.0
77.00	989.0
78.10	601.0
79.00	3847.0
80.00	1288.0
81.00	4087.0
82.00	1067.0
87.00	5946.0
88.00	5844.0
90.90	512.0
92.10	3857.0
93.10	6133.0
94.10	15868.0
95.10	145088.0
96.10	8985.0
97.10	234.0
104.00	557.0
105.00	157.0
106.00	564.0
106.90	138.0
112.90	114.0
115.00	160.0
116.00	413.0
117.00	1306.0
118.00	620.0
119.00	837.0
128.00	498.0
128.90	261.0
129.90	549.0
131.00	195.0
135.00	304.0
137.00	214.0
140.00	147.0
141.10	1060.0
142.20	121.0
143.10	1828.0
144.00	114.0
145.00	838.0
146.00	321.0
147.00	129.0
148.10	340.0
150.00	133.0
155.00	411.0
157.00	245.0
159.10	132.0
161.00	190.0
171.00	372.0
172.10	1933.0
174.10	124592.0
175.10	9219.0
176.10	119576.0
177.10	7226.0
178.00	175.0

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m/z	Abundance
36.00	855.0
37.00	5561.0
38.10	5005.0
39.10	1985.0
39.90	130.0
44.10	770.0
45.10	785.0
45.90	253.0
47.10	1533.0
48.00	742.0
49.10	5140.0
50.10	22968.0
51.10	7180.0
52.10	375.0
53.00	155.0
55.00	286.0
56.10	1878.0
57.00	3181.0
58.10	109.0
60.00	1064.0
61.10	5947.0
62.10	6251.0
63.10	5268.0
64.10	916.0
65.10	1554.0
66.00	209.0
67.10	380.0
68.10	13320.0
69.10	13456.0
70.10	1121.0
72.00	629.0
73.10	5937.0
74.10	22104.0
75.10	69200.0
76.10	5764.0
77.00	1021.0
78.10	487.0
79.00	3980.0
80.00	1222.0
81.00	3887.0
82.00	1104.0
86.00	193.0
87.00	5784.0
88.00	5460.0
91.00	474.0
92.10	3608.0
93.10	5986.0
94.10	15360.0
95.10	141952.0
96.10	9049.0
97.10	237.0
104.00	652.0
105.00	160.0
106.00	555.0
115.00	122.0
116.00	468.0
117.00	1268.0
118.00	597.0
119.00	774.0
128.00	514.0
128.90	289.0
129.90	503.0
130.90	187.0
135.00	253.0
137.00	216.0
140.00	121.0
141.00	1070.0
142.10	141.0
143.10	1864.0
143.90	101.0
145.00	811.0
146.00	262.0
147.00	158.0
148.00	315.0
150.10	105.0
155.00	397.0
157.00	286.0
160.90	115.0
171.00	339.0
172.10	1922.0
174.10	118664.0
175.10	9188.0
176.10	112736.0
177.10	7180.0
178.10	177.0

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m/z	Abundance
44.00	271.0

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m/z	Abundance
36.00	704.0
37.00	5110.0
38.00	4275.0
39.10	1881.0
44.00	644.0
45.00	698.0
46.00	276.0
47.10	1360.0
48.00	792.0
49.10	4641.0
50.10	20632.0
51.10	6953.0
52.10	269.0
55.10	341.0
56.10	1829.0
57.00	2738.0
60.00	1391.0
61.10	5691.0
62.10	6080.0
63.10	4555.0
64.00	819.0
65.00	1355.0
66.00	192.0
67.10	367.0
68.10	12534.0
69.10	12728.0
70.10	921.0
72.00	589.0
73.10	5630.0
74.10	21224.0
75.10	63528.0
76.10	5213.0
77.00	872.0
78.10	642.0
79.00	3379.0
80.00	1222.0
81.00	3829.0
82.00	893.0
87.00	5470.0
88.00	5665.0
91.00	459.0
92.10	3738.0
93.10	5591.0
94.10	15005.0
95.10	134912.0
96.10	8332.0
97.10	254.0
104.00	444.0
105.00	154.0
106.00	494.0
106.90	136.0
112.90	131.0
114.90	168.0
116.00	348.0
117.00	1089.0
118.00	586.0
119.00	800.0
128.00	501.0
129.00	213.0
130.00	561.0
131.00	184.0
135.00	299.0
137.00	208.0
140.10	151.0
141.10	1012.0
143.10	1670.0
144.00	104.0
145.00	764.0
146.00	317.0
148.10	329.0
149.90	152.0
155.00	363.0
157.00	222.0
159.00	213.0
161.00	266.0
171.00	331.0
172.10	1723.0
174.10	117624.0
175.10	8567.0
176.10	114744.0
177.10	6827.0
177.90	130.0

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