

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061119\
 Data File : VU032611.D
 Acq On : 11 Jun 2019 15:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Jun 12 05:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 05:31:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	179014	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	172063	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56305	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.96%
7) Chloroethane-d5	1.67	69	46078	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.74%
11) 1,1-Dichloroethene-d2	2.27	63	113571	49.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.88%
21) 2-Butanone-d5	4.17	46	101958	104.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.90%
24) Chloroform-d	4.64	84	113304	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.62%
26) 1,2-Dichloroethane-d4	5.30	65	71328	52.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.54%
32) Benzene-d6	5.33	84	218595	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.88%
36) 1,2-Dichloropropane-d6	6.32	67	69730	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.56%
41) Toluene-d8	7.56	98	208945	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%
43) trans-1,3-Dichloropropene-	7.85	79	34516	51.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.98%
47) 2-Hexanone-d5	8.31	63	64598	95.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	103682	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	90762	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	82411	51.065	ug/L 99
3) Chloromethane	1.32	50	73189	46.933	ug/L 99
5) Vinyl chloride	1.40	62	74703	47.955	ug/L 98
6) Bromomethane	1.62	94	39441	42.487	ug/L 99
8) Chloroethane	1.69	64	43014	46.454	ug/L 100
9) Trichlorofluoromethane	1.88	101	107705	51.203	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	58589	53.556	ug/L 99
12) 1,1-Dichloroethene	2.28	96	54426	51.238	ug/L 82
13) Acetone	2.32	43	87700	87.449	ug/L 100
14) Carbon disulfide	2.47	76	156429	48.468	ug/L 99
15) Methyl Acetate	2.61	43	74867	52.287	ug/L 98
16) Methylene chloride	2.69	84	61859	51.037	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	57473	49.930	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	191513	50.644	ug/L 99
19) 1,1-Dichloroethane	3.44	63	107905	51.423	ug/L 96
20) cis-1,2-Dichloroethene	4.22	96	65107	49.979	ug/L 96
22) 2-Butanone	4.25	43	117789	99.376	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34517	50.960	ug/L	96
25) Chloroform	4.67	83	113237	52.293	ug/L	99
27) 1,2-Dichloroethane	5.40	62	90437	52.830	ug/L	99
29) Cyclohexane	4.99	56	99784	48.756	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	99775	51.224	ug/L	99
31) Carbon tetrachloride	5.13	117	92175	51.632	ug/L	100
33) Benzene	5.38	78	240763	49.802	ug/L	100
34) Trichloroethene	6.18	95	66091	50.249	ug/L	99
35) Methylcyclohexane	6.41	83	104927	49.278	ug/L	100
37) 1,2-Dichloropropane	6.43	63	66159	51.625	ug/L	100
38) Bromodichloromethane	6.75	83	85623	51.888	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	101173	50.037	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	211366	102.520	ug/L	98
42) Toluene	7.63	91	268337	50.682	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	93025	51.833	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	61871	51.054	ug/L	97
46) Tetrachloroethene	8.22	164	55600	51.183	ug/L	98
48) 2-Hexanone	8.36	43	172662	101.963	ug/L	99
49) Dibromochloromethane	8.47	129	74498	52.888	ug/L	98
50) 1,2-Dibromoethane	8.58	107	69954	51.283	ug/L	99
51) Chlorobenzene	9.12	112	173666	50.912	ug/L	99
52) Ethylbenzene	9.24	91	297409	50.395	ug/L	99
53) m,p-Xylene	9.37	106	112152	49.977	ug/L	99
54) o-xylene	9.77	106	110357	49.530	ug/L	100
55) Styrene	9.79	104	189308	50.894	ug/L	99
56) Isopropylbenzene	10.16	105	295573	50.308	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	107468	51.886	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	85361	51.238	ug/L	99
61) Bromoform	9.95	173	58393	51.400	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	143520	49.786	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	145045	49.214	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	145727	50.000	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	25960	52.940	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	115817	51.638	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	102821	54.114	ug/L	99
69) Naphthalene	13.74	128	311217	51.927	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	106501	53.857	ug/L	99

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

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