

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
 Data File : VU031670.D
 Acq On : 01 May 2019 09:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: May 02 02:18:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 04:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	895703	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	867651	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	392589	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	437260	58.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.66%
7) Chloroethane-d5	1.68	69	321259	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.92%
11) 1,1-Dichloroethene-d2	2.27	63	796859	53.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.76%
21) 2-Butanone-d5	4.19	46	764949	112.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.62%
24) Chloroform-d	4.64	84	690379	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
26) 1,2-Dichloroethane-d4	5.31	65	443107	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
32) Benzene-d6	5.33	84	1384493	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
36) 1,2-Dichloropropane-d6	6.32	67	480388	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.50%
41) Toluene-d8	7.56	98	1224386	52.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.52%
43) trans-1,3-Dichloropropene-	7.85	79	210134	52.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.44%
47) 2-Hexanone-d5	8.31	63	482598	118.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	624201	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	409708	49.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	458641	46.565	ug/L 99
3) Chloromethane	1.32	50	551696	46.295	ug/L 100
5) Vinyl chloride	1.40	62	519987	46.671	ug/L 100
6) Bromomethane	1.63	94	267253	45.485	ug/L 99
8) Chloroethane	1.70	64	296234	48.641	ug/L 98
9) Trichlorofluoromethane	1.88	101	578857	45.576	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	351340	48.935	ug/L 100
12) 1,1-Dichloroethene	2.28	96	334661	47.888	ug/L 98
13) Acetone	2.34	43	830650	108.571	ug/L 99
14) Carbon disulfide	2.47	76	1050130	45.284	ug/L 100
15) Methyl Acetate	2.62	43	588932	50.873	ug/L 99
16) Methylene chloride	2.70	84	402757	48.836	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	352807	48.451	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	1267846	54.649	ug/L 99
19) 1,1-Dichloroethane	3.44	63	763762	49.803	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	397215	50.853	ug/L 96
22) 2-Butanone	4.27	43	998383	117.785	ug/L 99

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
 Data File : VU031670.D
 Acq On : 01 May 2019 09:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: May 02 02:18:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 04:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	184233	48.539	ug/L	96
25) Chloroform	4.67	83	708391	48.306	ug/L	100
27) 1,2-Dichloroethane	5.40	62	576063	48.362	ug/L	99
29) Cyclohexane	4.99	56	748630	54.517	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	575616	47.350	ug/L	99
31) Carbon tetrachloride	5.13	117	480517	46.245	ug/L	100
33) Benzene	5.38	78	1590986	49.874	ug/L	100
34) Trichloroethene	6.18	95	396712	51.303	ug/L	98
35) Methylcyclohexane	6.41	83	639673	55.198	ug/L	98
37) 1,2-Dichloropropane	6.43	63	458022	50.576	ug/L	99
38) Bromodichloromethane	6.75	83	528760	48.154	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	662636	55.374	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1572760	112.878	ug/L	100
42) Toluene	7.63	91	1632928	51.388	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	575009	52.978	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	377430	50.554	ug/L	97
46) Tetrachloroethene	8.22	164	263837	50.048	ug/L	99
48) 2-Hexanone	8.36	43	1316730	116.845	ug/L	99
49) Dibromochloromethane	8.47	129	378433	48.716	ug/L	99
50) 1,2-Dibromoethane	8.58	107	403043	51.115	ug/L	99
51) Chlorobenzene	9.12	112	965179	51.399	ug/L	98
52) Ethylbenzene	9.25	91	1791833	54.360	ug/L	100
53) m,p-Xylene	9.37	106	655270	57.057	ug/L	97
54) o-xylene	9.77	106	636796	55.929	ug/L	100
55) Styrene	9.79	104	1080130	55.527	ug/L	99
56) Isopropylbenzene	10.16	105	1679701	56.103	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	673830	50.862	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	550861	51.304	ug/L	99
61) Bromoform	9.95	173	270908	46.552	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	694897	53.472	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	686476	51.007	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	702772	50.883	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	156722	48.892	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	509279	52.323	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	451981	58.657	ug/L	98
69) Naphthalene	13.74	128	1655415	63.010	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	466912	53.223	ug/L	100

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

