

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031219\
 Data File : VU029961.D
 Acq On : 10 Mar 2019 20:18
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Mar 11 07:16:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 11 07:10:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	544927	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	535307	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	283392	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	155796	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.72%
7) Chloroethane-d5	1.68	69	129792	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.88%
11) 1,1-Dichloroethene-d2	2.27	63	299898	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
21) 2-Butanone-d5	4.17	46	267187	103.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.73%
24) Chloroform-d	4.64	84	316099	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.31	65	184941	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
32) Benzene-d6	5.34	84	658394	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.33	67	200425	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.56	98	638034	49.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.70%
43) trans-1,3-Dichloropropene-	7.85	79	92057	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
47) 2-Hexanone-d5	8.31	63	207330	95.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	323349	50.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	270520	48.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	208874	49.749	ug/L 100
3) Chloromethane	1.33	50	271205	49.305	ug/L 100
5) Vinyl chloride	1.40	62	218621	51.305	ug/L 99
6) Bromomethane	1.62	94	65781	58.228	ug/L 99
8) Chloroethane	1.69	64	126701	48.613	ug/L 100
9) Trichlorofluoromethane	1.88	101	284847	50.478	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	172951	49.799	ug/L 99
12) 1,1-Dichloroethene	2.28	96	170103	50.470	ug/L 95
13) Acetone	2.32	43	188088	66.940	ug/L 98
14) Carbon disulfide	2.47	76	522885	49.778	ug/L 100
15) Methyl Acetate	2.61	43	204304	52.666	ug/L 98
16) Methylene chloride	2.70	84	198090	50.129	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	183761	51.428	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	512629	57.315	ug/L 100
19) 1,1-Dichloroethane	3.44	63	318005	51.613	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	209521	51.390	ug/L 97
22) 2-Butanone	4.26	43	290000	90.162	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	108684	53.028	ug/L	98
25) Chloroform	4.67	83	333783	50.345	ug/L	100
27) 1,2-Dichloroethane	5.40	62	239462	50.784	ug/L	99
29) Cyclohexane	4.99	56	282731	51.581	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	278660	51.680	ug/L	100
31) Carbon tetrachloride	5.13	117	224012	47.050	ug/L	100
33) Benzene	5.39	78	749401	52.406	ug/L	100
34) Trichloroethene	6.18	95	194130	50.373	ug/L	99
35) Methylcyclohexane	6.41	83	308088	50.098	ug/L	99
37) 1,2-Dichloropropane	6.43	63	191936	51.506	ug/L	100
38) Bromodichloromethane	6.75	83	233629	50.079	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	285211	50.290	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	531135	106.890	ug/L	100
42) Toluene	7.63	91	824071	52.718	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	254772	50.424	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	193849	51.244	ug/L	99
46) Tetrachloroethene	8.22	164	169610	51.101	ug/L	98
48) 2-Hexanone	8.36	43	429856	102.331	ug/L	99
49) Dibromochloromethane	8.47	129	206158	49.792	ug/L	98
50) 1,2-Dibromoethane	8.58	107	209170	51.305	ug/L	98
51) Chlorobenzene	9.12	112	546605	51.668	ug/L	100
52) Ethylbenzene	9.25	91	898925	51.992	ug/L	100
53) m,p-Xylene	9.37	106	343755	51.934	ug/L	100
54) o-xylene	9.77	106	344769	52.318	ug/L	99
55) Styrene	9.79	104	543295	50.818	ug/L	100
56) Isopropylbenzene	10.16	105	889213	52.104	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	340291	51.949	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	255477	51.719	ug/L	100
61) Bromoform	9.95	173	156903	47.551	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	437525	50.500	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	437239	49.285	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	444573	50.306	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	68643	49.561	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	329887	50.169	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	290410	49.506	ug/L	99
69) Naphthalene	13.74	128	898210	49.546	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	300991	48.866	ug/L	99

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

