

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
 Data File : VU029604.D
 Acq On : 22 Feb 2019 08:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Feb 22 22:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 15 23:28:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	478255	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	479776	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	261474	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165530	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.46%
7) Chloroethane-d5	1.68	69	144806	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.96%
11) 1,1-Dichloroethene-d2	2.27	63	324573	47.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.76%
21) 2-Butanone-d5	4.17	46	223722	104.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.90%
24) Chloroform-d	4.64	84	301380	53.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.04%
26) 1,2-Dichloroethane-d4	5.31	65	187508	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.20%
32) Benzene-d6	5.34	84	633188	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.90%
36) 1,2-Dichloropropane-d6	6.33	67	190239	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.76%
41) Toluene-d8	7.56	98	620228	50.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.68%
43) trans-1,3-Dichloropropene-	7.85	79	96198	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
47) 2-Hexanone-d5	8.31	63	188632	93.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300323	48.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	274857	48.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	151207	46.111	ug/L 100
3) Chloromethane	1.33	50	133610	46.445	ug/L 98
5) Vinyl chloride	1.40	62	172998	44.280	ug/L 100
6) Bromomethane	1.62	94	99774	55.957	ug/L 100
8) Chloroethane	1.70	64	108640	41.808	ug/L 100
9) Trichlorofluoromethane	1.88	101	253106	40.641	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	158838	47.680	ug/L 99
12) 1,1-Dichloroethene	2.28	96	148741	46.965	ug/L 91
13) Acetone	2.32	43	240944	105.728	ug/L 100
14) Carbon disulfide	2.48	76	396100	47.755	ug/L 100
15) Methyl Acetate	2.61	43	141807	47.941	ug/L 100
16) Methylene chloride	2.70	84	147903	48.262	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	141925	48.552	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	416842	46.060	ug/L 99
19) 1,1-Dichloroethane	3.44	63	240445	47.570	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	160268	47.185	ug/L 98
22) 2-Butanone	4.26	43	262704	101.009	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	86491	46.451	uq/L	97
25) Chloroform	4.67	83	267044	47.352	uq/L	100
27) 1,2-Dichloroethane	5.40	62	197719	45.600	uq/L	99
29) Cyclohexane	4.99	56	221335	46.617	uq/L	98
30) 1,1,1-Trichloroethane	4.91	97	225651	44.358	uq/L	98
31) Carbon tetrachloride	5.13	117	202866	44.060	uq/L	99
33) Benzene	5.39	78	574406	46.697	uq/L	100
34) Trichloroethene	6.18	95	154755	46.702	uq/L	98
35) Methylcyclohexane	6.41	83	258356	46.948	uq/L	98
37) 1,2-Dichloropropane	6.43	63	148294	45.926	uq/L	99
38) Bromodichloromethane	6.75	83	196239	45.080	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	238710	45.821	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	387209	85.276	uq/L	98
42) Toluene	7.63	91	656489	45.130	uq/L	98
44) trans-1,3-Dichloropropene	7.87	75	222042	45.224	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	153137	44.494	uq/L	97
46) Tetrachloroethene	8.22	164	145745	44.937	uq/L	98
48) 2-Hexanone	8.36	43	355834	89.707	uq/L	98
49) Dibromochloromethane	8.47	129	182052	43.632	uq/L	99
50) 1,2-Dibromoethane	8.58	107	171906	45.082	uq/L	98
51) Chlorobenzene	9.12	112	447858	44.857	uq/L	98
52) Ethylbenzene	9.25	91	734871	44.481	uq/L	100
53) m,p-Xylene	9.37	106	287801	43.397	uq/L	98
54) o-xylene	9.77	106	290592	43.622	uq/L	99
55) Styrene	9.79	104	492519	43.797	uq/L	97
56) Isopropylbenzene	10.16	105	762415	43.737	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	262375	43.111	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	198850	43.191	uq/L	99
61) Bromoform	9.95	173	145655	41.365	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	372814	44.719	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	380726	45.380	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	379400	43.597	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	57907	42.760	uq/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	295914	46.514	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	257678	46.830	uq/L	100
69) Naphthalene	13.74	128	765933	45.287	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	267279	45.741	uq/L	99

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

