

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
 Data File : VU029644.D
 Acq On : 23 Feb 2019 01:07
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Feb 23 01:48:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 22 23:08:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	505547	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	508227	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	275798	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	162858	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.92%
7) Chloroethane-d5	1.68	69	143189	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.96%
11) 1,1-Dichloroethene-d2	2.27	63	317273	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.64%
21) 2-Butanone-d5	4.17	46	235371	104.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.41%
24) Chloroform-d	4.64	84	303857	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
26) 1,2-Dichloroethane-d4	5.31	65	186880	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
32) Benzene-d6	5.34	84	642060	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.42%
36) 1,2-Dichloropropane-d6	6.33	67	192320	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.98%
41) Toluene-d8	7.56	98	626509	48.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.02%
43) trans-1,3-Dichloropropene-	7.85	79	91973	45.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.14%
47) 2-Hexanone-d5	8.31	63	204197	95.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	305650	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	276406	46.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	167124	48.213	ug/L 99
3) Chloromethane	1.32	50	150833	49.601	ug/L 100
5) Vinyl chloride	1.40	62	194386	47.069	ug/L 98
6) Bromomethane	1.62	94	85244	45.227	ug/L 99
8) Chloroethane	1.70	64	122894	44.740	ug/L 100
9) Trichlorofluoromethane	1.88	101	276204	41.955	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	154254	43.804	ug/L 100
12) 1,1-Dichloroethene	2.28	96	153834	45.950	ug/L 96
13) Acetone	2.32	43	149413	62.024	ug/L 100
14) Carbon disulfide	2.48	76	450145	51.340	ug/L 99
15) Methyl Acetate	2.61	43	166342	53.200	ug/L 99
16) Methylene chloride	2.70	84	168836	52.118	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	160014	51.785	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	485892	50.791	ug/L 99
19) 1,1-Dichloroethane	3.44	63	280365	52.473	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	185551	51.679	ug/L 99
22) 2-Butanone	4.26	43	234569	85.322	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	97147	49.357	ug/L	95
25) Chloroform	4.67	83	305336	51.220	ug/L	99
27) 1,2-Dichloroethane	5.40	62	229808	50.140	ug/L	100
29) Cyclohexane	4.99	56	249001	49.508	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	260512	48.344	ug/L	99
31) Carbon tetrachloride	5.13	117	226184	46.374	ug/L	99
33) Benzene	5.39	78	662963	50.879	ug/L	100
34) Trichloroethene	6.18	95	176766	50.358	ug/L	98
35) Methylcyclohexane	6.41	83	275811	47.314	ug/L	98
37) 1,2-Dichloropropane	6.43	63	172406	50.404	ug/L	100
38) Bromodichloromethane	6.76	83	222671	48.288	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	266953	48.373	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	461934	96.037	ug/L	98
42) Toluene	7.63	91	757082	49.131	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	239592	46.067	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	177890	48.793	ug/L	97
46) Tetrachloroethene	8.22	164	159289	46.363	ug/L	99
48) 2-Hexanone	8.36	43	367619	87.490	ug/L	98
49) Dibromochloromethane	8.47	129	203472	46.036	ug/L	99
50) 1,2-Dibromoethane	8.58	107	195382	48.370	ug/L	100
51) Chlorobenzene	9.12	112	510944	48.310	ug/L	98
52) Ethylbenzene	9.25	91	839631	47.976	ug/L	100
53) m,p-Xylene	9.37	106	331308	47.160	ug/L	100
54) o-xylene	9.77	106	333503	47.261	ug/L	100
55) Styrene	9.79	104	562497	47.219	ug/L	99
56) Isopropylbenzene	10.16	105	863892	46.784	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	305712	47.420	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	232129	47.597	ug/L	100
61) Bromoform	9.95	173	158514	42.679	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	420749	47.848	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	424601	47.981	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	429999	46.845	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	65786	46.055	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	320317	47.735	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	289766	49.926	ug/L	100
69) Naphthalene	13.74	128	918331	51.478	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	300634	48.778	ug/L	99

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

