

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030419\
 Data File : VU029786.D
 Acq On : 04 Mar 2019 15:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Mar 05 00:41:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 05 00:37:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	463113	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	454560	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	252001	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136189	40.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.26%
7) Chloroethane-d5	1.68	69	120613	39.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.96%
11) 1,1-Dichloroethene-d2	2.27	63	270794	40.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.64%
21) 2-Butanone-d5	4.17	46	243643	117.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.98%
24) Chloroform-d	4.65	84	282991	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
26) 1,2-Dichloroethane-d4	5.31	65	166104	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
32) Benzene-d6	5.34	84	581483	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
36) 1,2-Dichloropropane-d6	6.33	67	179973	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.60%
41) Toluene-d8	7.56	98	561631	48.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.22%
43) trans-1,3-Dichloropropene-	7.85	79	86081	47.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.32%
47) 2-Hexanone-d5	8.31	63	209762	109.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	300815	51.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	247457	45.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.14%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	164718	51.873 ug/L	99
3) Chloromethane	1.33	50	158771	56.995 ug/L	100
5) Vinyl chloride	1.40	62	191795	50.696 ug/L	98
6) Bromomethane	1.62	94	111824	64.766 ug/L	99
8) Chloroethane	1.69	64	118282	47.006 ug/L	99
9) Trichlorofluoromethane	1.88	101	260974	43.274 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	154592	47.922 ug/L	99
12) 1,1-Dichloroethene	2.28	96	147999	48.258 ug/L	94
13) Acetone	2.32	43	173257	78.512 ug/L	98
14) Carbon disulfide	2.48	76	433208	53.936 ug/L	99
15) Methyl Acetate	2.61	43	179258	62.583 ug/L	99
16) Methylene chloride	2.70	84	176793	59.575 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	160422	56.674 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	488099	55.697 ug/L	98
19) 1,1-Dichloroethane	3.44	63	285158	58.260 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	184636	56.136 ug/L	99
22) 2-Butanone	4.26	43	259390	102.996 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	99803	55.353	ug/L	96
25) Chloroform	4.67	83	304834	55.821	ug/L	100
27) 1,2-Dichloroethane	5.40	62	224664	53.509	ug/L	99
29) Cyclohexane	4.99	56	245220	54.513	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	254056	52.712	ug/L	98
31) Carbon tetrachloride	5.13	117	223512	51.237	ug/L	100
33) Benzene	5.39	78	661549	56.765	ug/L	100
34) Trichloroethene	6.18	95	175880	56.021	ug/L	96
35) Methylcyclohexane	6.41	83	272400	52.245	ug/L	98
37) 1,2-Dichloropropane	6.43	63	173811	56.814	ug/L	100
38) Bromodichloromethane	6.75	83	227754	55.222	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	270724	54.848	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	484551	112.633	ug/L	98
42) Toluene	7.63	91	750148	54.429	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	246364	52.962	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	180522	55.361	ug/L	98
46) Tetrachloroethene	8.22	164	152743	49.707	ug/L	96
48) 2-Hexanone	8.36	43	384067	102.196	ug/L	98
49) Dibromochloromethane	8.47	129	206167	52.153	ug/L	100
50) 1,2-Dibromoethane	8.58	107	197437	54.650	ug/L	99
51) Chlorobenzene	9.12	112	499516	52.806	ug/L	99
52) Ethylbenzene	9.25	91	820951	52.447	ug/L	99
53) m,p-Xylene	9.37	106	324812	51.694	ug/L	99
54) o-xylene	9.77	106	323308	51.225	ug/L	98
55) Styrene	9.79	104	549986	51.620	ug/L	98
56) Isopropylbenzene	10.16	105	837169	50.690	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	316965	54.970	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	238079	54.581	ug/L	99
61) Bromoform	9.95	173	162937	48.013	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	404183	50.304	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	413597	51.151	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	417680	49.800	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	69111	52.952	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	307020	50.074	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	274634	51.787	ug/L	98
69) Naphthalene	13.74	128	888290	54.496	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	288086	51.156	ug/L	100

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

