

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
 Data File : VU031892.D
 Acq On : 10 May 2019 16:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: May 11 01:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 11 00:57:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1127843	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1114614	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	493121	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	437279	46.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.66%
7) Chloroethane-d5	1.67	69	361248	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.04%
11) 1,1-Dichloroethene-d2	2.27	63	816286	43.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.84%
21) 2-Butanone-d5	4.17	46	724053	84.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.66%
24) Chloroform-d	4.64	84	773354	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	5.31	65	494799	43.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.62%
32) Benzene-d6	5.33	84	1589251	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
36) 1,2-Dichloropropane-d6	6.32	67	527364	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.58%
41) Toluene-d8	7.56	98	1455222	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%
43) trans-1,3-Dichloropropene-	7.85	79	231858	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
47) 2-Hexanone-d5	8.31	63	503369	96.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	761547	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.85	152	502839	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	548382	44.216 ug/L	100
3) Chloromethane	1.33	50	620761	41.369 ug/L	98
5) Vinyl chloride	1.40	62	624176	44.492 ug/L	99
6) Bromomethane	1.61	94	342644	46.314 ug/L	98
8) Chloroethane	1.69	64	363653	47.421 ug/L	95
9) Trichlorofluoromethane	1.88	101	676570	42.305 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	395091	43.702 ug/L	98
12) 1,1-Dichloroethene	2.28	96	393420	44.709 ug/L	95
13) Acetone	2.32	43	611799	63.507 ug/L	99
14) Carbon disulfide	2.47	76	1236881	42.359 ug/L	99
15) Methyl Acetate	2.61	43	532880	36.557 ug/L #	89
16) Methylene chloride	2.69	84	479668	46.190 ug/L	93
17) trans-1,2-Dichloroethene	2.98	96	414819	45.241 ug/L	92
18) Methyl tert-butyl Ether	3.00	73	1352968	46.315 ug/L	97
19) 1,1-Dichloroethane	3.44	63	844847	43.752 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	472103	48.000 ug/L	95
22) 2-Butanone	4.26	43	821503	76.970 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	223230	46.708	ug/L	82
25) Chloroform	4.67	83	818995	44.353	ug/L	99
27) 1,2-Dichloroethane	5.40	62	643381	42.896	ug/L	100
29) Cyclohexane	4.99	56	759337	43.045	ug/L	93
30) 1,1,1-Trichloroethane	4.91	97	639500	40.949	ug/L	99
31) Carbon tetrachloride	5.13	117	531960	39.852	ug/L	99
33) Benzene	5.38	78	1877369	45.812	ug/L	100
34) Trichloroethene	6.18	95	450296	45.330	ug/L	99
35) Methylcyclohexane	6.41	83	724306	48.653	ug/L	94
37) 1,2-Dichloropropane	6.43	63	512502	44.053	ug/L	99
38) Bromodichloromethane	6.75	83	605763	42.944	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	735841	47.867	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1444304	80.691	ug/L	94
42) Toluene	7.63	91	2003472	49.079	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	641854	46.034	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	449678	46.886	ug/L	98
46) Tetrachloroethene	8.22	164	300919	44.435	ug/L	94
48) 2-Hexanone	8.36	43	1150511	79.474	ug/L #	93
49) Dibromochloromethane	8.47	129	439716	44.063	ug/L	98
50) 1,2-Dibromoethane	8.58	107	467715	46.174	ug/L	98
51) Chlorobenzene	9.12	112	1165578	48.318	ug/L	99
52) Ethylbenzene	9.25	91	2109953	49.828	ug/L	98
53) m,p-Xylene	9.37	106	754360	51.131	ug/L	94
54) o-xylene	9.77	106	774604	52.959	ug/L	93
55) Styrene	9.79	104	1332896	53.339	ug/L	96
56) Isopropylbenzene	10.16	105	1958827	50.930	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	801017	47.066	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	630746	45.728	ug/L	100
61) Bromoform	9.95	173	312882	42.803	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	800745	49.056	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	821862	48.617	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	853562	49.202	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	166849	41.440	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	576162	47.127	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	474071	48.981	ug/L	100
69) Naphthalene	13.74	128	1755391	53.194	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	523168	47.478	ug/L	99

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

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