

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU110719\
 Data File : VU035660.D
 Acq On : 07 Nov 2019 15:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Nov 08 06:11:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 07 11:27:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	732081	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	713113	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	330783	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	272724	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.26%
7) Chloroethane-d5	1.93	69	221621	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.86%
11) 1,1-Dichloroethene-d2	2.60	63	429206	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
21) 2-Butanone-d5	4.69	46	319330	92.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.46%
24) Chloroform-d	5.11	84	433074	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
26) 1,2-Dichloroethane-d4	5.75	65	255956	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
32) Benzene-d6	5.77	84	911981	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
36) 1,2-Dichloropropane-d6	6.73	67	289704	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.12%
41) Toluene-d8	7.93	98	864582	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
43) trans-1,3-Dichloropropene-	8.21	79	135820	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.82%
47) 2-Hexanone-d5	8.67	63	237233	102.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	410457	47.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.76%
64) 1,2-Dichlorobenzene-d4	12.22	152	311259	46.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	279512	48.957	ug/L 99
3) Chloromethane	1.54	50	312499	50.223	ug/L 100
5) Vinyl chloride	1.62	62	326638	48.789	ug/L 100
6) Bromomethane	1.87	94	196972	58.085	ug/L 97
8) Chloroethane	1.95	64	190917	49.030	ug/L 97
9) Trichlorofluoromethane	2.16	101	402685	50.776	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	235548	51.736	ug/L 99
12) 1,1-Dichloroethene	2.61	96	223623	50.005	ug/L 94
13) Acetone	2.66	43	309085	101.715	ug/L 100
14) Carbon disulfide	2.83	76	684430	49.677	ug/L 100
15) Methyl Acetate	2.99	43	254305	46.204	ug/L 98
16) Methylene chloride	3.08	84	264364	48.449	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	235287	49.961	ug/L 99
18) Methyl tert-butyl Ether	3.42	73	708535	49.763	ug/L 99
19) 1,1-Dichloroethane	3.92	63	440285	48.466	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	262598	49.437	ug/L 95
22) 2-Butanone	4.77	43	389103	97.000	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	142651	50.822	ug/L	95
25) Chloroform	5.14	83	450989	48.881	ug/L	99
27) 1,2-Dichloroethane	5.84	62	322822	47.893	ug/L	99
29) Cyclohexane	5.43	56	385319	52.975	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	371682	49.589	ug/L	99
31) Carbon tetrachloride	5.57	117	338612	50.808	ug/L	98
33) Benzene	5.82	78	1007433	50.267	ug/L	100
34) Trichloroethene	6.58	95	253931	49.838	ug/L	97
35) Methylcyclohexane	6.80	83	391324	52.883	ug/L	98
37) 1,2-Dichloropropane	6.83	63	266151	49.591	ug/L	100
38) Bromodichloromethane	7.14	83	326653	47.883	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	412610	51.722	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	654266	91.122	ug/L	97
42) Toluene	8.00	91	1104378	52.576	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	365581	49.994	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	256183	49.800	ug/L	99
46) Tetrachloroethene	8.58	164	226501	53.165	ug/L	98
48) 2-Hexanone	8.73	43	490591	84.022	ug/L	99
49) Dibromochloromethane	8.84	129	286110	49.319	ug/L	97
50) 1,2-Dibromoethane	8.96	107	277942	50.641	ug/L	99
51) Chlorobenzene	9.48	112	711735	50.756	ug/L	98
52) Ethylbenzene	9.60	91	1160092	51.661	ug/L	98
53) m,p-Xylene	9.72	106	458664	54.433	ug/L	94
54) o-xylene	10.13	106	445575	54.103	ug/L	99
55) Styrene	10.14	104	739392	54.097	ug/L	96
56) Isopropylbenzene	10.51	105	1108872	53.579	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	426978	48.187	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	333127	47.603	ug/L	100
61) Bromoform	10.32	173	225924	44.769	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	515403	49.391	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	508082	47.929	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	509388	47.949	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	68870	41.812	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	295667	49.044	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	164458	40.724	ug/L	99
69) Naphthalene	14.11	128	362198	34.967	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	172459	39.635	ug/L	100

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

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