

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111219\
 Data File : VU035689.D
 Acq On : 12 Nov 2019 09:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Nov 13 00:42:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 11 15:13:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	718484	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	695310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	313869	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	227586	39.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.44%
7) Chloroethane-d5	1.93	69	199156	42.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.94%
11) 1,1-Dichloroethene-d2	2.60	63	382468	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.76%
21) 2-Butanone-d5	4.69	46	327552	96.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.63%
24) Chloroform-d	5.11	84	414824	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.58%
26) 1,2-Dichloroethane-d4	5.75	65	246247	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.70%
32) Benzene-d6	5.77	84	836524	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.30%
36) 1,2-Dichloropropane-d6	6.73	67	275318	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.68%
41) Toluene-d8	7.93	98	787237	46.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.10%
43) trans-1,3-Dichloropropene-	8.21	79	128747	47.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.10%
47) 2-Hexanone-d5	8.67	63	224375	99.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.60%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	398590	47.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.38%
64) 1,2-Dichlorobenzene-d4	12.22	152	284933	45.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	258043	46.052	ug/L 100
3) Chloromethane	1.54	50	284996	46.670	ug/L 99
5) Vinyl chloride	1.62	62	304118	46.285	ug/L 100
6) Bromomethane	1.87	94	178413	53.608	ug/L 99
8) Chloroethane	1.95	64	179163	46.882	ug/L 99
9) Trichlorofluoromethane	2.16	101	374691	48.140	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	221037	49.467	ug/L 99
12) 1,1-Dichloroethene	2.61	96	212021	48.308	ug/L 97
13) Acetone	2.66	43	335024	112.337	ug/L 98
14) Carbon disulfide	2.82	76	632673	46.789	ug/L 99
15) Methyl Acetate	2.99	43	249153	46.125	ug/L 98
16) Methylene chloride	3.08	84	252511	47.152	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	225923	48.881	ug/L 97
18) Methyl tert-butyl Ether	3.42	73	678989	48.591	ug/L 99
19) 1,1-Dichloroethane	3.92	63	422159	47.350	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	249149	47.793	ug/L 97
22) 2-Butanone	4.77	43	402266	102.180	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	136237	49.455	ug/L	96
25) Chloroform	5.14	83	433701	47.897	ug/L	99
27) 1,2-Dichloroethane	5.84	62	310103	46.877	ug/L	100
29) Cyclohexane	5.43	56	359875	50.743	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	358617	49.071	ug/L	99
31) Carbon tetrachloride	5.57	117	319923	49.233	ug/L	100
33) Benzene	5.82	78	963577	49.310	ug/L	100
34) Trichloroethene	6.58	95	242338	48.781	ug/L	98
35) Methylcyclohexane	6.80	83	364926	50.578	ug/L	99
37) 1,2-Dichloropropane	6.83	63	254913	48.713	ug/L	100
38) Bromodichloromethane	7.14	83	319146	47.981	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	399613	51.376	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	635644	90.796	ug/L	97
42) Toluene	8.01	91	1051824	51.357	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	357392	50.126	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	241941	48.236	ug/L	99
46) Tetrachloroethene	8.58	164	214184	51.561	ug/L	98
48) 2-Hexanone	8.73	43	525174	92.247	ug/L	97
49) Dibromochloromethane	8.84	129	279680	49.445	ug/L	98
50) 1,2-Dibromoethane	8.96	107	265179	49.552	ug/L	98
51) Chlorobenzene	9.48	112	674052	49.299	ug/L	98
52) Ethylbenzene	9.60	91	1113675	50.864	ug/L	98
53) m,p-Xylene	9.72	106	434393	52.872	ug/L	97
54) o-xylene	10.13	106	421995	52.552	ug/L	99
55) Styrene	10.14	104	696215	52.242	ug/L	97
56) Isopropylbenzene	10.51	105	1055857	52.324	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	411456	47.624	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	322014	47.193	ug/L	100
61) Bromoform	10.32	173	220849	46.122	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	480773	48.556	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	471942	46.919	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	475575	47.178	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	66656	42.648	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	257556	45.024	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	141178	36.843	ug/L	99
69) Naphthalene	14.11	128	309606	31.500	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	151251	36.634	ug/L	97

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

