

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111319\
 Data File : VU035701.D
 Acq On : 13 Nov 2019 08:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Nov 14 07:15:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 16:45:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	646361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	631980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	292597	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	213788	40.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.90%
7) Chloroethane-d5	1.93	69	190509	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.38%
11) 1,1-Dichloroethene-d2	2.60	63	367920	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
21) 2-Butanone-d5	4.69	46	318649	104.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.49%
24) Chloroform-d	5.11	84	403753	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	5.75	65	238699	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
32) Benzene-d6	5.77	84	810297	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
36) 1,2-Dichloropropane-d6	6.73	67	262053	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.10%
41) Toluene-d8	7.93	98	757963	48.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.56%
43) trans-1,3-Dichloropropene-	8.21	79	123716	50.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.54%
47) 2-Hexanone-d5	8.67	63	229083	111.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.89%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	397612	52.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.68%
64) 1,2-Dichlorobenzene-d4	12.22	152	280359	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	254451	50.478	ug/L 100
3) Chloromethane	1.54	50	286380	52.129	ug/L 100
5) Vinyl chloride	1.62	62	300856	50.897	ug/L 100
6) Bromomethane	1.87	94	182090	60.818	ug/L 98
8) Chloroethane	1.95	64	178376	51.884	ug/L 98
9) Trichlorofluoromethane	2.16	101	373089	53.283	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	219831	54.687	ug/L 100
12) 1,1-Dichloroethene	2.61	96	212867	53.913	ug/L 95
13) Acetone	2.66	43	374563	139.609	ug/L 99
14) Carbon disulfide	2.83	76	634177	52.134	ug/L 99
15) Methyl Acetate	2.99	43	252877	52.038	ug/L 98
16) Methylene chloride	3.08	84	253370	52.592	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	222942	53.618	ug/L 99
18) Methyl tert-butyl Ether	3.42	73	677157	53.867	ug/L 99
19) 1,1-Dichloroethane	3.92	63	418592	52.189	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	250793	53.476	ug/L 94
22) 2-Butanone	4.76	43	433440	122.383	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	137254	55.384	ug/L	96
25) Chloroform	5.14	83	427487	52.479	ug/L	99
27) 1,2-Dichloroethane	5.84	62	306719	51.539	ug/L	99
29) Cyclohexane	5.43	56	356992	55.381	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	354441	53.360	ug/L	99
31) Carbon tetrachloride	5.57	117	320967	54.344	ug/L	98
33) Benzene	5.82	78	955038	53.770	ug/L	100
34) Trichloroethene	6.58	95	240178	53.191	ug/L	98
35) Methylcyclohexane	6.80	83	360319	54.944	ug/L	99
37) 1,2-Dichloropropane	6.83	63	251709	52.921	ug/L	99
38) Bromodichloromethane	7.14	83	316798	52.400	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	387241	54.774	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	635723	99.907	ug/L	96
42) Toluene	8.00	91	1049606	56.384	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	354080	54.638	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	245389	53.825	ug/L	98
46) Tetrachloroethene	8.58	164	210124	55.653	ug/L	98
48) 2-Hexanone	8.73	43	508137	98.199	ug/L	98
49) Dibromochloromethane	8.84	129	279091	54.285	ug/L	100
50) 1,2-Dibromoethane	8.96	107	263634	54.200	ug/L	98
51) Chlorobenzene	9.48	112	679545	54.681	ug/L	99
52) Ethylbenzene	9.60	91	1115691	56.062	ug/L	98
53) m,p-Xylene	9.72	106	436858	58.501	ug/L	96
54) o-xylene	10.13	106	427090	58.516	ug/L	97
55) Styrene	10.14	104	705446	58.239	ug/L	98
56) Isopropylbenzene	10.51	105	1068858	58.276	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	415592	52.924	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	326505	52.647	ug/L	99
61) Bromoform	10.32	173	224193	50.224	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	488254	52.896	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	478412	51.020	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	480988	51.184	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	64363	44.175	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	270304	50.688	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	131390	36.781	ug/L	99
69) Naphthalene	14.11	128	275043	30.018	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	135243	35.138	ug/L	99

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

