

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072118\
 Data File : VU025572.D
 Acq On : 21 Jul 2018 09:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05062

Quant Time: Jul 23 01:03:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 02:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	341492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	319729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171032	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88082	45.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.36%
7) Chloroethane-d5	1.68	69	74283	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.38%
11) 1,1-Dichloroethene-d2	2.28	63	189749	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
21) 2-Butanone-d5	4.18	46	140484	93.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.34%
24) Chloroform-d	4.65	84	208174	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.31	65	133035	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.35	84	392702	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
36) 1,2-Dichloropropane-d6	6.33	67	126506	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.76%
41) Toluene-d8	7.57	98	378579	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	7.85	79	64313	47.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.30%
47) 2-Hexanone-d5	8.31	63	102524	92.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	174123	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	163528	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	161292	47.936	ug/L 99
3) Chloromethane	1.33	50	125621	51.698	ug/L 99
5) Vinyl chloride	1.41	62	128004	48.029	ug/L 99
6) Bromomethane	1.63	94	58579	63.204	ug/L 93
8) Chloroethane	1.70	64	75656	48.209	ug/L 99
9) Trichlorofluoromethane	1.89	101	184522	48.619	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108872	51.226	ug/L 99
12) 1,1-Dichloroethene	2.29	96	95336	49.468	ug/L 98
13) Acetone	2.32	43	179174	101.424	ug/L 98
14) Carbon disulfide	2.48	76	298611	47.584	ug/L 100
15) Methyl Acetate	2.62	43	112956	46.254	ug/L 99
16) Methylene chloride	2.71	84	115454	48.091	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	107574	48.480	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	350667	48.525	ug/L 99
19) 1,1-Dichloroethane	3.45	63	204983	48.564	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	121361	48.454	ug/L 93
22) 2-Butanone	4.26	43	191748	97.499	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63693	48.179	ug/L	96
25) Chloroform	4.68	83	215756	48.577	ug/L	99
27) 1,2-Dichloroethane	5.41	62	175248	48.374	ug/L	99
29) Cyclohexane	5.00	56	181968	49.125	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	196473	49.108	ug/L	100
31) Carbon tetrachloride	5.14	117	179153	48.426	ug/L	99
33) Benzene	5.39	78	449984	48.982	ug/L	100
34) Trichloroethene	6.19	95	118357	48.556	ug/L	99
35) Methylcyclohexane	6.42	83	200623	51.045	ug/L	98
37) 1,2-Dichloropropane	6.44	63	121158	48.262	ug/L	100
38) Bromodichloromethane	6.76	83	162674	49.147	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	193614	49.697	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	315360	95.658	ug/L	100
42) Toluene	7.64	91	490598	49.520	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	183824	50.043	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	114927	47.727	ug/L	98
46) Tetrachloroethene	8.23	164	105995	50.159	ug/L	98
48) 2-Hexanone	8.36	43	272736	97.905	ug/L	99
49) Dibromochloromethane	8.48	129	141580	50.122	ug/L	100
50) 1,2-Dibromoethane	8.59	107	124509	47.994	ug/L	98
51) Chlorobenzene	9.12	112	328928	49.316	ug/L	99
52) Ethylbenzene	9.25	91	553209	50.592	ug/L	99
53) m,p-Xylene	9.38	106	214197	51.141	ug/L	99
54) o-xylene	9.78	106	211500	49.765	ug/L	97
55) Styrene	9.80	104	356169	51.455	ug/L	99
56) Isopropylbenzene	10.17	105	563893	51.413	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	184101	47.398	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	138481	46.964	ug/L	100
61) Bromoform	9.96	173	105076	47.497	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	265851	49.140	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	273501	49.526	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	276634	48.808	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	39882	44.742	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	214361	51.332	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	182268	51.933	ug/L	98
69) Naphthalene	13.74	128	520716	49.336	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	187580	50.559	ug/L	99

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

