

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072618\
 Data File : VU025656.D
 Acq On : 26 Jul 2018 18:55
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Jul 27 02:05:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 27 02:03:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	300498	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	157658	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69794	40.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.36%
7) Chloroethane-d5	1.68	69	59944	42.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.72%
11) 1,1-Dichloroethene-d2	2.27	63	155579	43.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.12%
21) 2-Butanone-d5	4.18	46	149056	112.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.54%
24) Chloroform-d	4.65	84	171814	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	5.31	65	116719	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.35	84	315160	42.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.92%
36) 1,2-Dichloropropane-d6	6.34	67	104393	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.32%
41) Toluene-d8	7.57	98	298629	42.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.90%
43) trans-1,3-Dichloropropene-	7.85	79	51912	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.98%
47) 2-Hexanone-d5	8.31	63	108349	109.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.47%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	161271	48.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	136123	42.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	129713	43.810	ug/L 99
3) Chloromethane	1.33	50	110253	51.563	ug/L 100
5) Vinyl chloride	1.40	62	108378	46.213	ug/L 99
6) Bromomethane	1.63	94	48738	59.760	ug/L 94
8) Chloroethane	1.70	64	64886	46.987	ug/L 98
9) Trichlorofluoromethane	1.89	101	156162	46.760	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	92130	49.263	ug/L 99
12) 1,1-Dichloroethene	2.28	96	82241	48.495	ug/L 91
13) Acetone	2.32	43	123062	79.164	ug/L 99
14) Carbon disulfide	2.48	76	249652	45.210	ug/L 99
15) Methyl Acetate	2.62	43	119379	55.553	ug/L 100
16) Methylene chloride	2.70	84	103243	48.872	ug/L 99
17) trans-1,2-Dichloroethene	2.99	96	92102	47.170	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	312962	49.215	ug/L 99
19) 1,1-Dichloroethane	3.45	63	179635	48.364	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	106983	48.541	ug/L 94
22) 2-Butanone	4.27	43	175511	101.418	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57369	49.316	ug/L	97
25) Chloroform	4.68	83	193416	49.488	ug/L	100
27) 1,2-Dichloroethane	5.41	62	158618	49.757	ug/L	98
29) Cyclohexane	5.00	56	151275	45.648	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	171719	47.974	ug/L	99
31) Carbon tetrachloride	5.14	117	155550	46.997	ug/L	99
33) Benzene	5.39	78	391628	47.649	ug/L	100
34) Trichloroethene	6.19	95	106887	49.014	ug/L	99
35) Methylcyclohexane	6.42	83	163134	46.394	ug/L	98
37) 1,2-Dichloropropane	6.44	63	108988	48.526	ug/L	100
38) Bromodichloromethane	6.76	83	145393	49.099	ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	170196	48.830	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	328719	111.451	ug/L	100
42) Toluene	7.64	91	429631	48.472	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	165271	50.290	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	103487	48.037	ug/L	97
46) Tetrachloroethene	8.23	164	89718	47.456	ug/L	98
48) 2-Hexanone	8.36	43	266159	106.795	ug/L	99
49) Dibromochloromethane	8.48	129	125341	49.598	ug/L	99
50) 1,2-Dibromoethane	8.59	107	115377	49.711	ug/L	100
51) Chlorobenzene	9.12	112	293635	49.209	ug/L	99
52) Ethylbenzene	9.25	91	480981	49.166	ug/L	100
53) m,p-Xylene	9.38	106	187531	50.046	ug/L	100
54) o-xylene	9.78	106	183023	48.135	ug/L	98
55) Styrene	9.80	104	316888	51.171	ug/L	99
56) Isopropylbenzene	10.17	105	489389	49.874	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179034	51.521	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	134065	50.820	ug/L	98
61) Bromoform	9.96	173	94849	46.511	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	239021	47.929	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	246771	48.476	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	247885	47.446	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	43434	52.860	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	194065	50.414	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	169278	52.323	ug/L	97
69) Naphthalene	13.75	128	524738	53.934	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	175858	51.420	ug/L	99

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

