

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU033036.D
 Acq On : 25 Jun 2019 03:07
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05038

Quant Time: Jun 25 07:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 06:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	182215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	182157	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96913	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55241	44.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.72%
7) Chloroethane-d5	1.67	69	47793	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.24%
11) 1,1-Dichloroethene-d2	2.27	63	118494	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
21) 2-Butanone-d5	4.17	46	126235	121.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.79%
24) Chloroform-d	4.64	84	130848	54.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.10%
26) 1,2-Dichloroethane-d4	5.30	65	89083	55.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.48%
32) Benzene-d6	5.33	84	242247	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
36) 1,2-Dichloropropane-d6	6.32	67	79543	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.16%
41) Toluene-d8	7.56	98	228651	51.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.84%
43) trans-1,3-Dichloropropene-	7.84	79	39422	50.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.20%
47) 2-Hexanone-d5	8.31	63	77880	110.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.26%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	126637	54.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	99202	52.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	92482	50.246	ug/L 99
3) Chloromethane	1.32	50	76807	46.041	ug/L 99
5) Vinyl chloride	1.40	62	82501	49.860	ug/L 99
6) Bromomethane	1.62	94	58020	59.589	ug/L 99
8) Chloroethane	1.69	64	49007	51.452	ug/L 99
9) Trichlorofluoromethane	1.88	101	117595	50.657	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	59953	49.238	ug/L 98
12) 1,1-Dichloroethene	2.28	96	57321	49.955	ug/L 96
13) Acetone	2.32	43	92248	64.437	ug/L 95
14) Carbon disulfide	2.47	76	170082	46.843	ug/L 100
15) Methyl Acetate	2.61	43	91851	56.600	ug/L 98
16) Methylene chloride	2.69	84	69612	51.700	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	61761	49.634	ug/L 100
18) Methyl tert-butyl Ether	2.99	73	211762	53.006	ug/L 98
19) 1,1-Dichloroethane	3.44	63	127933	53.929	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	72251	53.300	ug/L 96
22) 2-Butanone	4.25	43	131891	88.886	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	37422	52.918	ug/L	91
25) Chloroform	4.67	83	132244	54.057	ug/L	96
27) 1,2-Dichloroethane	5.40	62	111746	55.603	ug/L	99
29) Cyclohexane	4.99	56	104046	48.918	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	116273	52.393	ug/L	98
31) Carbon tetrachloride	5.13	117	103621	51.316	ug/L	99
33) Benzene	5.38	78	272388	51.908	ug/L	100
34) Trichloroethene	6.18	95	72229	51.517	ug/L	98
35) Methylcyclohexane	6.41	83	103881	47.933	ug/L	98
37) 1,2-Dichloropropane	6.42	63	76374	53.059	ug/L	100
38) Bromodichloromethane	6.75	83	101802	52.597	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	106664	47.563	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	255560	111.206	ug/L	98
42) Toluene	7.63	91	292756	51.564	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	104762	49.736	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	70196	52.394	ug/L	98
46) Tetrachloroethene	8.22	164	58023	50.504	ug/L	98
48) 2-Hexanone	8.36	43	199190	98.239	ug/L	99
49) Dibromochloromethane	8.47	129	81494	50.457	ug/L	97
50) 1,2-Dibromoethane	8.58	107	76712	51.558	ug/L	100
51) Chlorobenzene	9.11	112	190529	50.997	ug/L	96
52) Ethylbenzene	9.24	91	328802	52.320	ug/L	100
53) m,p-Xylene	9.37	106	121292	51.154	ug/L	98
54) o-xylene	9.77	106	121228	52.354	ug/L	99
55) Styrene	9.79	104	209626	52.184	ug/L	96
56) Isopropylbenzene	10.16	105	325502	52.162	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	125359	51.709	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	102143	53.173	ug/L	99
61) Bromoform	9.95	173	63608	50.265	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	152688	50.687	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	155135	49.860	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	158128	51.411	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30161	51.399	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	118332	48.889	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	101512	48.741	ug/L	97
69) Naphthalene	13.74	128	313523	48.961	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	109011	49.443	ug/L	99

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

