

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU032991.D
 Acq On : 24 Jun 2019 08:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Quant Time: Jun 25 05:21:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 02:01:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206379	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	201872	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106056	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61465	43.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.16%
7) Chloroethane-d5	1.68	69	57162	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.64%
11) 1,1-Dichloroethene-d2	2.27	63	137134	48.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.52%
21) 2-Butanone-d5	4.17	46	128164	109.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	4.64	84	142831	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.18%
26) 1,2-Dichloroethane-d4	5.30	65	96705	52.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.90%
32) Benzene-d6	5.33	84	263602	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.32	67	86561	51.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.28%
41) Toluene-d8	7.56	98	250847	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.84	79	44632	51.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.36%
47) 2-Hexanone-d5	8.31	63	79700	101.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.82%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	127430	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	102485	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	108787	52.184	ug/L 99
3) Chloromethane	1.32	50	89937	47.600	ug/L 100
5) Vinyl chloride	1.40	62	92726	49.478	ug/L 99
6) Bromomethane	1.62	94	46918	42.545	ug/L 97
8) Chloroethane	1.69	64	57102	52.931	ug/L 100
9) Trichlorofluoromethane	1.88	101	134366	51.104	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	70017	50.770	ug/L 98
12) 1,1-Dichloroethene	2.28	96	62674	48.224	ug/L 97
13) Acetone	2.32	43	167263	103.156	ug/L 98
14) Carbon disulfide	2.47	76	197379	47.996	ug/L 100
15) Methyl Acetate	2.61	43	97377	52.980	ug/L 98
16) Methylene chloride	2.69	84	75559	49.547	ug/L 94
17) trans-1,2-Dichloroethene	2.97	96	68754	48.784	ug/L 94
18) Methyl tert-butyl Ether	2.99	73	236061	52.170	ug/L 99
19) 1,1-Dichloroethane	3.44	63	140434	52.267	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	78299	50.998	ug/L 94
22) 2-Butanone	4.26	43	183578	109.234	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40862	51.017	uq/L	97
25) Chloroform	4.66	83	145616	52.554	uq/L	98
27) 1,2-Dichloroethane	5.40	62	124402	54.652	uq/L	98
29) Cyclohexane	4.99	56	120383	51.071	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	129656	52.717	uq/L	99
31) Carbon tetrachloride	5.13	117	118203	52.820	uq/L	100
33) Benzene	5.38	78	300318	51.641	uq/L	100
34) Trichloroethene	6.18	95	79673	51.276	uq/L	98
35) Methylcyclohexane	6.41	83	125843	52.396	uq/L	98
37) 1,2-Dichloropropane	6.42	63	82163	51.506	uq/L	99
38) Bromodichloromethane	6.75	83	112144	52.282	uq/L	100
39) cis-1,3-Dichloropropene	7.26	75	134083	53.951	uq/L	97
40) 4-Methyl-2-pentanone	7.45	43	272687	107.070	uq/L	98
42) Toluene	7.63	91	328822	52.260	uq/L	98
44) trans-1,3-Dichloropropene	7.87	75	122270	52.379	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	77521	52.211	uq/L	98
46) Tetrachloroethene	8.22	164	65375	51.346	uq/L	97
48) 2-Hexanone	8.36	43	238562	106.166	uq/L	98
49) Dibromochloromethane	8.47	129	90717	50.682	uq/L	97
50) 1,2-Dibromoethane	8.58	107	83487	50.632	uq/L	98
51) Chlorobenzene	9.11	112	209301	50.550	uq/L	97
52) Ethylbenzene	9.24	91	362606	52.064	uq/L	99
53) m,p-Xylene	9.37	106	137177	52.204	uq/L	99
54) o-xylene	9.77	106	131858	51.384	uq/L	99
55) Styrene	9.79	104	230855	51.857	uq/L	97
56) Isopropylbenzene	10.16	105	354862	51.313	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	133502	49.690	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	108743	51.080	uq/L	100
61) Bromoform	9.95	173	70108	50.625	uq/L	100
62) 1,3-Dichlorobenzene	11.41	146	164703	49.962	uq/L	98
63) 1,4-Dichlorobenzene	11.50	146	172400	50.633	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	169974	50.498	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	33584	52.298	uq/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	134163	50.651	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	116814	51.253	uq/L	99
69) Naphthalene	13.74	128	340275	48.557	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	121568	50.385	uq/L	98

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

