

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061219\
 Data File : VU032637.D
 Acq On : 12 Jun 2019 09:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jun 13 04:54:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 07:28:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	167604	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	159324	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52640	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.82%
7) Chloroethane-d5	1.67	69	43170	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.27	63	107737	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
21) 2-Butanone-d5	4.17	46	95056	104.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.46%
24) Chloroform-d	4.64	84	109379	53.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.86%
26) 1,2-Dichloroethane-d4	5.30	65	69157	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.26%
32) Benzene-d6	5.33	84	209378	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.32	67	66774	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.98%
41) Toluene-d8	7.56	98	196778	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%
43) trans-1,3-Dichloropropene-	7.85	79	32080	51.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.38%
47) 2-Hexanone-d5	8.31	63	54661	86.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.89%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	96913	51.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	82951	50.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	77362	51.200	ug/L 100
3) Chloromethane	1.32	50	67172	46.007	ug/L 99
5) Vinyl chloride	1.40	62	69899	47.926	ug/L 99
6) Bromomethane	1.62	94	34587	39.794	ug/L 97
8) Chloroethane	1.69	64	40744	46.998	ug/L 97
9) Trichlorofluoromethane	1.88	101	101189	51.380	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	55849	54.527	ug/L 99
12) 1,1-Dichloroethene	2.28	96	51559	51.843	ug/L 95
13) Acetone	2.31	43	96601	102.882	ug/L 97
14) Carbon disulfide	2.47	76	148048	48.994	ug/L 100
15) Methyl Acetate	2.61	43	69949	52.178	ug/L 100
16) Methylene chloride	2.69	84	58597	51.637	ug/L 98
17) trans-1,2-Dichloroethene	2.97	96	54622	50.684	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	180266	50.915	ug/L 99
19) 1,1-Dichloroethane	3.44	63	103389	52.625	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	62158	50.963	ug/L 95
22) 2-Butanone	4.25	43	113031	101.854	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	32081	50.587	ug/L	95
25) Chloroform	4.67	83	108255	53.396	ug/L	98
27) 1,2-Dichloroethane	5.40	62	87341	54.495	ug/L	98
29) Cyclohexane	4.99	56	94112	49.662	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	93058	51.595	ug/L	98
31) Carbon tetrachloride	5.13	117	85012	51.427	ug/L	99
33) Benzene	5.38	78	227010	50.712	ug/L	100
34) Trichloroethene	6.18	95	62384	51.223	ug/L	99
35) Methylcyclohexane	6.41	83	99118	50.272	ug/L	99
37) 1,2-Dichloropropane	6.42	63	61667	51.967	ug/L	99
38) Bromodichloromethane	6.75	83	80586	52.741	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	96450	51.515	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	191365	100.241	ug/L	99
42) Toluene	7.63	91	250252	51.046	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	86682	52.161	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	58343	51.992	ug/L	98
46) Tetrachloroethene	8.22	164	51762	51.460	ug/L	99
48) 2-Hexanone	8.36	43	161904	103.255	ug/L	98
49) Dibromochloromethane	8.47	129	68900	52.825	ug/L	99
50) 1,2-Dibromoethane	8.58	107	64583	51.131	ug/L	98
51) Chlorobenzene	9.11	112	161287	51.064	ug/L	99
52) Ethylbenzene	9.24	91	275538	50.422	ug/L	99
53) m,p-Xylene	9.37	106	104302	50.195	ug/L	98
54) o-xylene	9.77	106	103268	50.054	ug/L	100
55) Styrene	9.79	104	175715	51.016	ug/L	97
56) Isopropylbenzene	10.16	105	273161	50.211	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	95217	49.646	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	79342	51.433	ug/L	99
61) Bromoform	9.95	173	52529	51.698	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	132884	51.538	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	132600	50.304	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	133655	51.273	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	22887	52.184	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	107981	53.829	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	95793	56.367	ug/L	99
69) Naphthalene	13.74	128	284938	53.155	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	100329	56.726	ug/L	99

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

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