

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061819\
 Data File : VU032808.D
 Acq On : 18 Jun 2019 08:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Jun 19 01:26:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	230163	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	222990	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	122837	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68180	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.70%
7) Chloroethane-d5	1.68	69	56766	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.50%
11) 1,1-Dichloroethene-d2	2.27	63	144287	45.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.06%
21) 2-Butanone-d5	4.17	46	126078	96.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.30%
24) Chloroform-d	4.64	84	145523	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
26) 1,2-Dichloroethane-d4	5.30	65	97245	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
32) Benzene-d6	5.33	84	275108	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
36) 1,2-Dichloropropane-d6	6.32	67	88456	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.54%
41) Toluene-d8	7.56	98	258905	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%
43) trans-1,3-Dichloropropene-	7.84	79	46498	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	8.31	63	83802	96.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.92%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	134984	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	110826	46.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	116092	49.934	ug/L 100
3) Chloromethane	1.32	50	100034	47.473	ug/L 100
5) Vinyl chloride	1.40	62	101437	48.533	ug/L 100
6) Bromomethane	1.62	94	60816	49.449	ug/L 100
8) Chloroethane	1.69	64	58570	48.682	ug/L 98
9) Trichlorofluoromethane	1.88	101	142703	48.667	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	76932	50.020	ug/L 100
12) 1,1-Dichloroethene	2.28	96	70194	48.429	ug/L 99
13) Acetone	2.32	43	151066	83.539	ug/L 99
14) Carbon disulfide	2.47	76	215440	46.975	ug/L 100
15) Methyl Acetate	2.61	43	98759	48.179	ug/L 100
16) Methylene chloride	2.69	84	81923	48.169	ug/L 100
17) trans-1,2-Dichloroethene	2.97	96	76557	48.708	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	254047	50.343	ug/L 99
19) 1,1-Dichloroethane	3.44	63	147295	49.156	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	85813	50.117	ug/L 98
22) 2-Butanone	4.25	43	167889	89.575	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44923	50.292	ug/L	98
25) Chloroform	4.67	83	151256	48.948	ug/L	97
27) 1,2-Dichloroethane	5.40	62	126086	49.668	ug/L	100
29) Cyclohexane	4.99	56	133548	51.291	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	132387	48.730	ug/L	98
31) Carbon tetrachloride	5.13	117	120281	48.659	ug/L	98
33) Benzene	5.38	78	318830	49.633	ug/L	100
34) Trichloroethene	6.18	95	84921	49.478	ug/L	99
35) Methylcyclohexane	6.41	83	141565	53.360	ug/L	98
37) 1,2-Dichloropropane	6.42	63	87565	49.694	ug/L	99
38) Bromodichloromethane	6.75	83	114404	48.284	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	142345	51.851	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	272604	96.901	ug/L	99
42) Toluene	7.63	91	349665	50.310	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	129618	50.268	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	81254	49.542	ug/L	98
46) Tetrachloroethene	8.22	164	71799	51.051	ug/L	99
48) 2-Hexanone	8.36	43	231632	93.320	ug/L	99
49) Dibromochloromethane	8.47	129	94041	47.563	ug/L	97
50) 1,2-Dibromoethane	8.58	107	90954	49.936	ug/L	99
51) Chlorobenzene	9.11	112	227000	49.633	ug/L	98
52) Ethylbenzene	9.24	91	395105	51.358	ug/L	100
53) m,p-Xylene	9.37	106	147406	50.784	ug/L	99
54) o-xylene	9.77	106	142955	50.432	ug/L	97
55) Styrene	9.79	104	251775	51.200	ug/L	98
56) Isopropylbenzene	10.16	105	394747	51.674	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	140950	47.494	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	112829	47.980	ug/L	99
61) Bromoform	9.95	173	70768	44.121	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	189912	49.739	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	191133	48.466	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	188486	48.348	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	34261	46.064	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	153845	50.147	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	137191	51.970	ug/L	98
69) Naphthalene	13.74	128	417696	51.463	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	139908	50.064	ug/L	99

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

