

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU061119\
 Data File : VU032635.D
 Acq On : 12 Jun 2019 01:22
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Jun 12 07:35:06 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	169178	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	163911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86778	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52757	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.12%
7) Chloroethane-d5	1.67	69	43106	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.74%
11) 1,1-Dichloroethene-d2	2.27	63	110232	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.58%
21) 2-Butanone-d5	4.17	46	99389	108.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.20%
24) Chloroform-d	4.64	84	107973	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	5.30	65	70705	54.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.66%
32) Benzene-d6	5.33	84	210091	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.32	67	66919	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.56	98	195222	48.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.76%
43) trans-1,3-Dichloropropene-	7.85	79	30875	48.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.70%
47) 2-Hexanone-d5	8.31	63	59200	91.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.47%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100734	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	84935	51.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	76567	50.202	ug/L 99
3) Chloromethane	1.32	50	68160	46.249	ug/L 99
5) Vinyl chloride	1.40	62	70785	48.082	ug/L 96
6) Bromomethane	1.62	94	30098	34.307	ug/L 95
8) Chloroethane	1.69	64	41723	47.680	ug/L 99
9) Trichlorofluoromethane	1.88	101	102119	51.370	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	52602	50.879	ug/L 98
12) 1,1-Dichloroethene	2.28	96	51078	50.882	ug/L 94
13) Acetone	2.32	43	71666	75.616	ug/L 97
14) Carbon disulfide	2.47	76	149044	48.865	ug/L 99
15) Methyl Acetate	2.61	43	73136	54.047	ug/L 98
16) Methylene chloride	2.69	84	60888	53.156	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	55556	51.071	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	182672	51.114	ug/L 99
19) 1,1-Dichloroethane	3.44	63	107094	54.003	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	63276	51.397	ug/L 94
22) 2-Butanone	4.26	43	105763	94.418	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34046	53.187	uq/L	97
25) Chloroform	4.67	83	111829	54.646	uq/L	99
27) 1,2-Dichloroethane	5.40	62	87616	54.158	uq/L	99
29) Cyclohexane	4.99	56	93077	47.741	uq/L	100
30) 1,1,1-Trichloroethane	4.91	97	95919	51.693	uq/L	98
31) Carbon tetrachloride	5.13	117	87726	51.584	uq/L	100
33) Benzene	5.38	78	231814	50.336	uq/L	100
34) Trichloroethene	6.18	95	64182	51.225	uq/L	98
35) Methylcyclohexane	6.41	83	93334	46.014	uq/L	100
37) 1,2-Dichloropropane	6.43	63	63617	52.110	uq/L	100
38) Bromodichloromethane	6.75	83	82679	52.596	uq/L	99
39) cis-1,3-Dichloropropene	7.26	75	92793	48.175	uq/L	100
40) 4-Methyl-2-pentanone	7.45	43	202909	103.313	uq/L	98
42) Toluene	7.63	91	254859	50.531	uq/L	99
44) trans-1,3-Dichloropropene	7.87	75	85183	49.824	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	60879	52.734	uq/L	99
46) Tetrachloroethene	8.22	164	50958	49.243	uq/L	98
48) 2-Hexanone	8.36	43	162256	100.584	uq/L	99
49) Dibromochloromethane	8.47	129	70778	52.746	uq/L	96
50) 1,2-Dibromoethane	8.58	107	67344	51.825	uq/L	100
51) Chlorobenzene	9.11	112	166397	51.208	uq/L	99
52) Ethylbenzene	9.24	91	278804	49.592	uq/L	99
53) m,p-Xylene	9.37	106	105058	49.144	uq/L	99
54) o-xylene	9.77	106	105095	49.514	uq/L	100
55) Styrene	9.79	104	179602	50.686	uq/L	98
56) Isopropylbenzene	10.16	105	278036	49.677	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	101157	51.268	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	82851	52.205	uq/L	97
61) Bromoform	9.95	173	54547	52.722	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	133215	50.741	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	134292	50.033	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	136050	51.256	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	24451	54.751	uq/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	102993	50.422	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	93682	54.137	uq/L	99
69) Naphthalene	13.74	128	294953	54.037	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	100973	56.067	uq/L	98

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

