

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051519\
 Data File : VU032040.D
 Acq On : 15 May 2019 19:19
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: May 16 04:30:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 16 04:24:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1118458	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1110118	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	497367	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	386649	39.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.78%
7) Chloroethane-d5	1.67	69	322017	40.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.04%
11) 1,1-Dichloroethene-d2	2.27	63	723902	41.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.30%
21) 2-Butanone-d5	4.17	46	669277	97.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.64	84	726595	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
26) 1,2-Dichloroethane-d4	5.30	65	442858	42.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.60%
32) Benzene-d6	5.33	84	1483420	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
36) 1,2-Dichloropropane-d6	6.32	67	482385	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.98%
41) Toluene-d8	7.56	98	1340803	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.85	79	214227	45.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.58%
47) 2-Hexanone-d5	8.31	63	429760	99.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	726342	46.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	490670	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	437609	42.498	ug/L 100
3) Chloromethane	1.33	50	516616	44.924	ug/L 99
5) Vinyl chloride	1.40	62	522202	43.348	ug/L 99
6) Bromomethane	1.61	94	272778	43.081	ug/L 95
8) Chloroethane	1.69	64	309511	43.422	ug/L 100
9) Trichlorofluoromethane	1.88	101	583326	42.783	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	358739	43.101	ug/L 96
12) 1,1-Dichloroethene	2.28	96	376342	45.561	ug/L 98
13) Acetone	2.32	43	481132	68.096	ug/L 97
14) Carbon disulfide	2.47	76	1154042	43.252	ug/L 100
15) Methyl Acetate	2.61	43	486962	45.391	ug/L # 100
16) Methylene chloride	2.69	84	448776	44.550	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	393589	45.803	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	1268789	48.052	ug/L 99
19) 1,1-Dichloroethane	3.44	63	770983	45.691	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	452720	47.630	ug/L 100
22) 2-Butanone	4.26	43	731548	89.766	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	216422	46.458	ug/L	97
25) Chloroform	4.67	83	756790	45.382	ug/L	99
27) 1,2-Dichloroethane	5.40	62	573586	44.439	ug/L	99
29) Cyclohexane	4.99	56	693573	50.970	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	599533	46.576	ug/L	98
31) Carbon tetrachloride	5.13	117	501457	46.696	ug/L	99
33) Benzene	5.38	78	1738108	47.799	ug/L	100
34) Trichloroethene	6.18	95	434418	48.240	ug/L	99
35) Methylcyclohexane	6.41	83	661359	47.894	ug/L	100
37) 1,2-Dichloropropane	6.43	63	467159	47.832	ug/L	100
38) Bromodichloromethane	6.75	83	566569	47.472	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	685024	49.401	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1314237	99.177	ug/L	99
42) Toluene	7.63	91	1857477	49.779	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	586289	48.144	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	432188	48.260	ug/L	98
46) Tetrachloroethene	8.22	164	297418	46.779	ug/L	99
48) 2-Hexanone	8.36	43	1058608	98.426	ug/L	99
49) Dibromochloromethane	8.47	129	429299	47.790	ug/L	100
50) 1,2-Dibromoethane	8.58	107	448175	47.290	ug/L	99
51) Chlorobenzene	9.12	112	1102579	46.538	ug/L	100
52) Ethylbenzene	9.24	91	1981539	49.624	ug/L	99
53) m,p-Xylene	9.37	106	726932	49.884	ug/L	98
54) o-xylene	9.77	106	747250	51.934	ug/L	98
55) Styrene	9.79	104	1285574	52.050	ug/L	99
56) Isopropylbenzene	10.16	105	1906795	51.722	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	742113	45.910	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	591947	46.465	ug/L	100
61) Bromoform	9.95	173	302479	45.567	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	799306	49.119	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	812262	47.190	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	842380	48.850	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	155291	46.614	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	584129	50.053	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	485444	54.006	ug/L	100
69) Naphthalene	13.74	128	1723023	57.573	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	533971	54.571	ug/L	99

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

