

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042219\
 Data File : VU031382.D
 Acq On : 22 Apr 2019 10:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Apr 23 00:57:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 23:12:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	670415	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	542448	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	271234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	278455	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.68	69	222030	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.27	63	518209	42.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.74%
21) 2-Butanone-d5	4.19	46	445510	99.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.08%
24) Chloroform-d	4.64	84	457045	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
26) 1,2-Dichloroethane-d4	5.31	65	270662	42.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.32%
32) Benzene-d6	5.33	84	951135	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.92%
36) 1,2-Dichloropropane-d6	6.32	67	308500	55.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.86%
41) Toluene-d8	7.56	98	693187	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%
43) trans-1,3-Dichloropropene-	7.85	79	115834	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.08%
47) 2-Hexanone-d5	8.31	63	258103	98.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	358971	46.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	288217	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	223234	36.075	ug/L 100
3) Chloromethane	1.32	50	310501	42.126	ug/L 99
5) Vinyl chloride	1.40	62	324583	44.243	ug/L 96
6) Bromomethane	1.63	94	199458	41.380	ug/L 99
8) Chloroethane	1.70	64	189815	40.243	ug/L 100
9) Trichlorofluoromethane	1.88	101	411228	40.265	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	246864	46.209	ug/L 96
12) 1,1-Dichloroethene	2.28	96	239638	45.734	ug/L 87
13) Acetone	2.34	43	419777	121.306	ug/L 97
14) Carbon disulfide	2.48	76	724174	51.017	ug/L 99
15) Methyl Acetate	2.62	43	323569	53.743	ug/L 99
16) Methylene chloride	2.70	84	260806	51.009	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	242168	50.725	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	780137	51.895	ug/L 98
19) 1,1-Dichloroethane	3.44	63	464399	48.938	ug/L 95
20) cis-1,2-Dichloroethene	4.22	96	273720	49.265	ug/L 87
22) 2-Butanone	4.27	43	520263	109.705	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	134030	48.693	ug/L	91
25) Chloroform	4.67	83	442079	45.420	ug/L	97
27) 1,2-Dichloroethane	5.40	62	324354	43.813	ug/L	97
29) Cyclohexane	4.99	56	446005	58.456	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	371833	51.803	ug/L	98
31) Carbon tetrachloride	5.13	117	324423	52.240	ug/L	99
33) Benzene	5.39	78	1008824	55.293	ug/L	100
34) Trichloroethene	6.18	95	258805	56.693	ug/L	94
35) Methylcyclohexane	6.41	83	414908	61.049	ug/L	97
37) 1,2-Dichloropropane	6.43	63	269768	55.832	ug/L	99
38) Bromodichloromethane	6.75	83	325631	53.023	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	336261	46.440	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	619339	90.853	ug/L #	95
42) Toluene	7.63	91	846340	46.634	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	286824	45.622	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	204920	47.121	ug/L	97
46) Tetrachloroethene	8.22	164	176191	51.315	ug/L	97
48) 2-Hexanone	8.36	43	541412	99.858	ug/L #	98
49) Dibromochloromethane	8.47	129	228827	48.682	ug/L	97
50) 1,2-Dibromoethane	8.58	107	227029	49.414	ug/L	96
51) Chlorobenzene	9.12	112	561465	49.500	ug/L	97
52) Ethylbenzene	9.25	91	997397	50.483	ug/L	97
53) m,p-Xylene	9.37	106	378842	54.336	ug/L	95
54) o-xylene	9.77	106	370809	52.519	ug/L	96
55) Styrene	9.79	104	632912	53.104	ug/L	99
56) Isopropylbenzene	10.16	105	984218	54.385	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	359225	47.971	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	277504	48.288	ug/L	98
61) Bromoform	9.95	173	185181	49.316	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	453192	50.557	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	463339	51.554	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	456764	48.445	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	82353	45.779	ug/L	89
67) 1,3,5-Trichlorobenzene	12.88	180	354546	52.851	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	318551	58.597	ug/L	98
69) Naphthalene	13.74	128	1038338	60.873	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	322704	54.660	ug/L	99

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

