

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042919\
 Data File : VU031571.D
 Acq On : 29 Apr 2019 09:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Apr 30 01:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 29 01:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	716126	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	699883	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	315038	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	275528	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.94%
7) Chloroethane-d5	1.68	69	223611	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.56%
11) 1,1-Dichloroethene-d2	2.27	63	576151	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
21) 2-Butanone-d5	4.18	46	585408	107.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.80%
24) Chloroform-d	4.64	84	540878	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.30	65	359127	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
32) Benzene-d6	5.34	84	1044233	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
36) 1,2-Dichloropropane-d6	6.32	67	374846	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.16%
41) Toluene-d8	7.56	98	921798	49.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.48%
43) trans-1,3-Dichloropropene-	7.85	79	165685	51.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.10%
47) 2-Hexanone-d5	8.31	63	345635	105.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.61%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	501217	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	326663	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	386507	49.081	ug/L	97
3) Chloromethane	1.32	50	457825	48.052	ug/L	100
5) Vinyl chloride	1.40	62	432015	48.499	ug/L	99
6) Bromomethane	1.63	94	216747	46.140	ug/L	96
8) Chloroethane	1.70	64	239051	49.094	ug/L	97
9) Trichlorofluoromethane	1.88	101	498909	49.131	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	288229	50.211	ug/L	98
12) 1,1-Dichloroethene	2.28	96	269313	48.201	ug/L	96
13) Acetone	2.34	43	656799	107.375	ug/L	99
14) Carbon disulfide	2.47	76	885911	47.782	ug/L	99
15) Methyl Acetate	2.62	43	457741	49.456	ug/L	99
16) Methylene chloride	2.70	84	320785	48.650	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	282365	48.501	ug/L	100
18) Methyl tert-butyl Ether	2.99	73	961071	51.814	ug/L	99
19) 1,1-Dichloroethane	3.44	63	609471	49.708	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	314998	50.440	ug/L	98
22) 2-Butanone	4.27	43	745357	109.985	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	146945	48.423	uq/L	95
25) Chloroform	4.67	83	575751	49.106	uq/L	99
27) 1,2-Dichloroethane	5.40	62	467286	49.067	uq/L	97
29) Cyclohexane	4.99	56	568267	51.303	uq/L	100
30) 1,1,1-Trichloroethane	4.91	97	468544	47.781	uq/L	99
31) Carbon tetrachloride	5.13	117	407850	48.660	uq/L	99
33) Benzene	5.38	78	1275897	49.584	uq/L	100
34) Trichloroethene	6.18	95	314655	50.446	uq/L	96
35) Methylcyclohexane	6.41	83	487193	52.118	uq/L	98
37) 1,2-Dichloropropane	6.43	63	356851	48.850	uq/L	99
38) Bromodichloromethane	6.75	83	431782	48.749	uq/L	97
39) cis-1,3-Dichloropropene	7.26	75	498270	51.620	uq/L	98
40) 4-Methyl-2-pentanone	7.46	43	1146743	102.031	uq/L	99
42) Toluene	7.63	91	1274606	49.727	uq/L	97
44) trans-1,3-Dichloropropene	7.87	75	451604	51.582	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	295897	49.134	uq/L	97
46) Tetrachloroethene	8.22	164	213974	50.319	uq/L	97
48) 2-Hexanone	8.36	43	958659	105.462	uq/L	100
49) Dibromochloromethane	8.47	129	311111	49.650	uq/L	99
50) 1,2-Dibromoethane	8.58	107	315019	49.529	uq/L	98
51) Chlorobenzene	9.12	112	759281	50.127	uq/L	98
52) Ethylbenzene	9.24	91	1390146	52.283	uq/L	99
53) m,p-Xylene	9.37	106	505432	54.560	uq/L	97
54) o-xylene	9.77	106	490952	53.456	uq/L	97
55) Styrene	9.79	104	852008	54.299	uq/L	99
56) Isopropylbenzene	10.16	105	1289623	53.399	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	522393	48.884	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	421907	48.713	uq/L	99
61) Bromoform	9.95	173	220487	47.214	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	531425	50.960	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	538842	49.893	uq/L	96
65) 1,2-Dichlorobenzene	11.87	146	542509	48.949	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	121274	47.147	uq/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	399110	51.098	uq/L	98
68) 1,2,4-trichlorobenzene	13.50	180	331837	53.666	uq/L	99
69) Naphthalene	13.74	128	1122058	53.222	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	344560	48.945	uq/L	99

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

