

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU031719\
 Data File : VU030133.D
 Acq On : 16 Mar 2019 10:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Mar 18 04:23:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 00:52:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	501259	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	494012	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	261226	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171941	51.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.72%
7) Chloroethane-d5	1.68	69	146516	54.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.48%
11) 1,1-Dichloroethene-d2	2.27	63	307266	51.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.68%
21) 2-Butanone-d5	4.17	46	281602	113.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.36%
24) Chloroform-d	4.64	84	331473	55.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.46%
26) 1,2-Dichloroethane-d4	5.31	65	191636	55.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.54%
32) Benzene-d6	5.34	84	678612	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
36) 1,2-Dichloropropane-d6	6.33	67	213126	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.52%
41) Toluene-d8	7.56	98	631547	53.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.08%
43) trans-1,3-Dichloropropene-	7.85	79	103520	54.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.82%
47) 2-Hexanone-d5	8.31	63	239650	110.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	334883	55.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	269407	53.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	150311	47.458	ug/L 100
3) Chloromethane	1.33	50	156806	44.875	ug/L 99
5) Vinyl chloride	1.40	62	180378	47.091	ug/L 99
6) Bromomethane	1.62	94	90189	38.009	ug/L 100
8) Chloroethane	1.70	64	111991	44.609	ug/L 97
9) Trichlorofluoromethane	1.88	101	252607	49.174	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	166656	50.608	ug/L 99
12) 1,1-Dichloroethene	2.28	96	151944	48.362	ug/L 98
13) Acetone	2.32	43	245985	84.691	ug/L 99
14) Carbon disulfide	2.48	76	435372	44.710	ug/L 100
15) Methyl Acetate	2.61	43	183570	48.919	ug/L 99
16) Methylene chloride	2.70	84	177250	47.778	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	165384	48.337	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	496262	48.905	ug/L 100
19) 1,1-Dichloroethane	3.44	63	294612	50.152	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	188227	48.325	ug/L 100
22) 2-Butanone	4.26	43	292756	88.536	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98202	48.671	uq/L	99
25) Chloroform	4.67	83	312076	50.616	uq/L	99
27) 1,2-Dichloroethane	5.40	62	216297	48.795	uq/L	98
29) Cyclohexane	4.99	56	253236	46.477	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	262056	48.591	uq/L	99
31) Carbon tetrachloride	5.13	117	226628	47.588	uq/L	100
33) Benzene	5.39	78	683550	48.354	uq/L	100
34) Trichloroethene	6.18	95	179359	48.410	uq/L	99
35) Methylcyclohexane	6.41	83	288848	48.078	uq/L	99
37) 1,2-Dichloropropane	6.43	63	185053	49.767	uq/L	100
38) Bromodichloromethane	6.75	83	232947	50.379	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	288347	49.831	uq/L	100
40) 4-Methyl-2-pentanone	7.46	43	481272	95.857	uq/L	99
42) Toluene	7.63	91	750537	48.832	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	267376	50.607	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	185098	49.775	uq/L	98
46) Tetrachloroethene	8.22	164	154082	47.522	uq/L	99
48) 2-Hexanone	8.36	43	404199	94.368	uq/L	99
49) Dibromochloromethane	8.47	129	210904	50.762	uq/L	98
50) 1,2-Dibromoethane	8.58	107	199487	48.668	uq/L	98
51) Chlorobenzene	9.12	112	501333	48.382	uq/L	99
52) Ethylbenzene	9.25	91	826286	48.835	uq/L	98
53) m,p-Xylene	9.37	106	323428	49.406	uq/L	96
54) o-xylene	9.77	106	317393	49.362	uq/L	99
55) Styrene	9.79	104	545193	49.796	uq/L	100
56) Isopropylbenzene	10.16	105	834855	49.595	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	316246	49.549	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	234890	48.505	uq/L	100
61) Bromoform	9.95	173	161740	49.742	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	411565	48.786	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	419655	48.921	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	421862	49.680	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	67148	48.661	uq/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	326706	49.895	uq/L	100
68) 1,2,4-trichlorobenzene	13.50	180	292442	48.826	uq/L	99
69) Naphthalene	13.74	128	923993	47.481	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	308435	49.570	uq/L	99

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

