

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050619\
 Data File : VU031764.D
 Acq On : 06 May 2019 08:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05035

Quant Time: May 07 08:38:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 04 02:35:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	704104	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	679693	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	312869	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	281885	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.68%
7) Chloroethane-d5	1.68	69	229543	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.82%
11) 1,1-Dichloroethene-d2	2.27	63	576154	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.19	46	660184	123.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.65%
24) Chloroform-d	4.64	84	545135	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
26) 1,2-Dichloroethane-d4	5.31	65	361366	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
32) Benzene-d6	5.33	84	1019183	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.66%
36) 1,2-Dichloropropane-d6	6.32	67	368327	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.32%
41) Toluene-d8	7.56	98	852799	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%
43) trans-1,3-Dichloropropene-	7.85	79	163332	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.64%
47) 2-Hexanone-d5	8.31	63	394899	124.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	522130	52.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.96%
64) 1,2-Dichlorobenzene-d4	11.85	152	309623	47.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	360925	46.615	ug/L 98
3) Chloromethane	1.32	50	436995	46.649	ug/L 100
5) Vinyl chloride	1.40	62	407991	46.584	ug/L 98
6) Bromomethane	1.63	94	204498	44.276	ug/L 99
8) Chloroethane	1.70	64	231605	48.377	ug/L 96
9) Trichlorofluoromethane	1.88	101	477893	47.865	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	280290	49.662	ug/L 98
12) 1,1-Dichloroethene	2.28	96	263203	47.912	ug/L 94
13) Acetone	2.34	43	796038	132.360	ug/L 96
14) Carbon disulfide	2.47	76	810267	44.448	ug/L 99
15) Methyl Acetate	2.62	43	497780	54.700	ug/L 99
16) Methylene chloride	2.70	84	324218	50.010	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	274589	47.970	ug/L 94
18) Methyl tert-butyl Ether	2.99	73	1017392	55.787	ug/L 99
19) 1,1-Dichloroethane	3.44	63	629315	52.203	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	318636	51.893	ug/L 95
22) 2-Butanone	4.27	43	875687	131.423	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	145840	48.880	ug/L	95
25) Chloroform	4.67	83	590256	51.203	ug/L	100
27) 1,2-Dichloroethane	5.40	62	483262	51.611	ug/L	97
29) Cyclohexane	4.99	56	571108	53.091	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	481510	50.562	ug/L	97
31) Carbon tetrachloride	5.13	117	405996	49.878	ug/L	98
33) Benzene	5.38	78	1291978	51.701	ug/L	100
34) Trichloroethene	6.18	95	313194	51.703	ug/L	98
35) Methylcyclohexane	6.41	83	492482	54.248	ug/L	99
37) 1,2-Dichloropropane	6.43	63	373099	52.591	ug/L	100
38) Bromodichloromethane	6.75	83	444265	51.648	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	538180	57.410	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1304693	119.533	ug/L	98
42) Toluene	7.63	91	1330333	53.442	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	476247	56.013	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	315826	54.001	ug/L	98
46) Tetrachloroethene	8.22	164	208453	50.477	ug/L	96
48) 2-Hexanone	8.36	43	1121390	127.028	ug/L	98
49) Dibromochloromethane	8.47	129	317457	52.168	ug/L	99
50) 1,2-Dibromoethane	8.58	107	325860	52.755	ug/L	100
51) Chlorobenzene	9.12	112	773713	52.597	ug/L	97
52) Ethylbenzene	9.24	91	1410337	54.618	ug/L	99
53) m,p-Xylene	9.37	106	516000	57.355	ug/L	98
54) o-xylene	9.77	106	495576	55.563	ug/L	98
55) Styrene	9.79	104	872404	57.251	ug/L	100
56) Isopropylbenzene	10.16	105	1317916	56.192	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	560586	54.016	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	465904	55.391	ug/L	100
61) Bromoform	9.95	173	224831	48.478	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	528304	51.012	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	547860	51.079	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	549715	49.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	130919	51.249	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	389591	50.225	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	333681	54.338	ug/L	98
69) Naphthalene	13.74	128	1163179	55.555	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	342303	48.961	ug/L	98

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

