

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU042019\
 Data File : VU031354.D
 Acq On : 19 Apr 2019 13:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Apr 19 22:56:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 04:50:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	524312	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	526137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	234494	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	222463	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.14%
7) Chloroethane-d5	1.68	69	179750	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.76%
11) 1,1-Dichloroethene-d2	2.27	63	416452	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.08%
21) 2-Butanone-d5	4.18	46	358972	102.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.08%
24) Chloroform-d	4.64	84	401294	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
26) 1,2-Dichloroethane-d4	5.31	65	248818	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.30%
32) Benzene-d6	5.34	84	773420	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.33	67	258827	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.90%
41) Toluene-d8	7.56	98	684399	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.85	79	115092	44.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.20%
47) 2-Hexanone-d5	8.31	63	220090	86.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	358752	47.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	248210	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	193331	39.949	ug/L	100
3) Chloromethane	1.32	50	296441	51.425	ug/L	100
5) Vinyl chloride	1.40	62	301179	52.493	ug/L	96
6) Bromomethane	1.63	94	170232	45.158	ug/L	99
8) Chloroethane	1.70	64	170122	46.118	ug/L	99
9) Trichlorofluoromethane	1.88	101	375107	46.962	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	210091	50.284	ug/L	99
12) 1,1-Dichloroethene	2.28	96	195940	47.815	ug/L	90
13) Acetone	2.34	43	344569	127.319	ug/L	99
14) Carbon disulfide	2.47	76	608983	54.857	ug/L	99
15) Methyl Acetate	2.62	43	265658	56.420	ug/L	100
16) Methylene chloride	2.70	84	224120	56.048	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	198825	53.251	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	617985	52.563	ug/L	99
19) 1,1-Dichloroethane	3.44	63	406763	54.808	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	216630	49.854	ug/L	99
22) 2-Butanone	4.27	43	405596	109.358	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	110774	51.458	ug/L	98
25) Chloroform	4.67	83	395524	51.960	ug/L	99
27) 1,2-Dichloroethane	5.40	62	308165	53.226	ug/L	99
29) Cyclohexane	4.99	56	346079	46.765	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	326865	46.950	ug/L	99
31) Carbon tetrachloride	5.13	117	285803	47.448	ug/L	99
33) Benzene	5.39	78	879523	49.701	ug/L	100
34) Trichloroethene	6.18	95	212171	47.918	ug/L	97
35) Methylcyclohexane	6.41	83	318275	48.283	ug/L	99
37) 1,2-Dichloropropane	6.43	63	238020	50.788	ug/L	99
38) Bromodichloromethane	6.75	83	292859	49.165	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	340732	48.516	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	647676	97.955	ug/L	99
42) Toluene	7.63	91	899810	51.117	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	303052	49.698	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	210177	49.828	ug/L	94
46) Tetrachloroethene	8.22	164	157932	47.423	ug/L	95
48) 2-Hexanone	8.36	43	541718	103.012	ug/L	99
49) Dibromochloromethane	8.47	129	228006	50.011	ug/L	99
50) 1,2-Dibromoethane	8.58	107	221626	49.733	ug/L	96
51) Chlorobenzene	9.12	112	541112	49.185	ug/L	99
52) Ethylbenzene	9.25	91	926515	48.349	ug/L	99
53) m,p-Xylene	9.37	106	351074	51.915	ug/L	100
54) o-xylene	9.78	106	328047	47.902	ug/L	96
55) Styrene	9.79	104	588388	50.898	ug/L	98
56) Isopropylbenzene	10.16	105	873738	49.777	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	352614	48.548	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	277149	49.721	ug/L	98
61) Bromoform	9.95	173	162751	50.133	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	374816	48.365	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	381234	49.064	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	393871	48.320	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	74065	47.622	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	291072	50.187	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	231368	49.228	ug/L	97
69) Naphthalene	13.74	128	748090	50.729	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	264851	51.889	ug/L	98

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

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