

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\
 Data File : VU031915.D
 Acq On : 11 May 2019 02:15
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: May 11 02:52:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 11 02:45:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1071728	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1077450	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	471103	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	411525	45.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.76%
7) Chloroethane-d5	1.67	69	344912	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.52%
11) 1,1-Dichloroethene-d2	2.27	63	777881	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.10%
21) 2-Butanone-d5	4.17	46	682183	83.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.94%
24) Chloroform-d	4.64	84	745013	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.70%
26) 1,2-Dichloroethane-d4	5.30	65	472164	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.98%
32) Benzene-d6	5.33	84	1510706	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
36) 1,2-Dichloropropane-d6	6.32	67	499288	42.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.78%
41) Toluene-d8	7.56	98	1333073	46.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.52%
43) trans-1,3-Dichloropropene-	7.85	79	208849	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
47) 2-Hexanone-d5	8.31	63	461888	91.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	737218	47.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.38%
64) 1,2-Dichlorobenzene-d4	11.85	152	464562	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	507014	43.021	ug/L 99
3) Chloromethane	1.32	50	599041	42.012	ug/L 100
5) Vinyl chloride	1.40	62	603153	45.244	ug/L 99
6) Bromomethane	1.61	94	337300	47.978	ug/L 99
8) Chloroethane	1.69	64	357134	49.009	ug/L 97
9) Trichlorofluoromethane	1.88	101	645996	42.508	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	373002	43.419	ug/L 98
12) 1,1-Dichloroethene	2.28	96	386029	46.166	ug/L 92
13) Acetone	2.32	43	479379	52.367	ug/L 96
14) Carbon disulfide	2.47	76	1214973	43.787	ug/L 100
15) Methyl Acetate	2.61	43	523128	37.767	ug/L # 91
16) Methylene chloride	2.69	84	479880	48.630	ug/L 90
17) trans-1,2-Dichloroethene	2.98	96	406199	46.621	ug/L 92
18) Methyl tert-butyl Ether	2.99	73	1319543	47.536	ug/L 97
19) 1,1-Dichloroethane	3.44	63	820976	44.741	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	457427	48.943	ug/L 93
22) 2-Butanone	4.26	43	746767	73.631	ug/L 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	217314	47.851	ug/L	86
25) Chloroform	4.67	83	796819	45.411	ug/L	100
27) 1,2-Dichloroethane	5.40	62	630005	44.204	ug/L	100
29) Cyclohexane	4.99	56	728449	42.718	ug/L	92
30) 1,1,1-Trichloroethane	4.91	97	625181	41.413	ug/L	99
31) Carbon tetrachloride	5.13	117	517633	40.117	ug/L	99
33) Benzene	5.38	78	1809984	45.691	ug/L	100
34) Trichloroethene	6.18	95	446706	46.520	ug/L	98
35) Methylcyclohexane	6.41	83	673503	46.801	ug/L	93
37) 1,2-Dichloropropane	6.43	63	498410	44.319	ug/L	100
38) Bromodichloromethane	6.75	83	597052	43.786	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	679376	45.718	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	1381762	79.860	ug/L	94
42) Toluene	7.63	91	1893922	47.996	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	596164	44.232	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	435448	46.968	ug/L	99
46) Tetrachloroethene	8.22	164	295639	45.161	ug/L	97
48) 2-Hexanone	8.36	43	1093778	78.161	ug/L	93
49) Dibromochloromethane	8.47	129	435563	45.153	ug/L	99
50) 1,2-Dibromoethane	8.58	107	462120	47.196	ug/L	100
51) Chlorobenzene	9.12	112	1109828	47.594	ug/L	98
52) Ethylbenzene	9.24	91	2029149	49.573	ug/L	99
53) m,p-Xylene	9.37	106	757718	53.131	ug/L	95
54) o-xylene	9.77	106	751438	53.147	ug/L	93
55) Styrene	9.79	104	1283351	53.128	ug/L	97
56) Isopropylbenzene	10.16	105	1885229	50.707	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	766093	46.567	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	612455	45.934	ug/L	100
61) Bromoform	9.95	173	305747	43.782	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	771731	49.488	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	785577	48.642	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	818993	49.416	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	161993	42.114	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	542917	46.483	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	456699	49.391	ug/L	100
69) Naphthalene	13.74	128	1732816	54.964	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	503944	47.871	ug/L	98

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

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