

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029059.D
 Acq On : 07 Jan 2019 15:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Jan 08 01:43:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 01:37:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192063	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	185690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84992	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75530	49.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.10%
7) Chloroethane-d5	1.67	69	60327	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.46%
11) 1,1-Dichloroethene-d2	2.27	63	124748	48.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.36%
21) 2-Butanone-d5	4.18	46	114023	105.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.70%
24) Chloroform-d	4.65	84	127458	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.30	65	78469	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.16%
32) Benzene-d6	5.34	84	271629	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.56%
36) 1,2-Dichloropropane-d6	6.33	67	91856	51.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.08%
41) Toluene-d8	7.56	98	245604	51.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.32%
43) trans-1,3-Dichloropropene-	7.85	79	40674	50.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.86%
47) 2-Hexanone-d5	8.31	63	81748	96.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129111	52.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	90906	52.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	72113	46.046	ug/L	100
3) Chloromethane	1.33	50	87048	40.876	ug/L	99
5) Vinyl chloride	1.40	62	87228	46.365	ug/L	100
6) Bromomethane	1.61	94	38590	48.155	ug/L	97
8) Chloroethane	1.69	64	49274	45.886	ug/L	97
9) Trichlorofluoromethane	1.88	101	93572	48.638	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61116	49.100	ug/L	100
12) 1,1-Dichloroethene	2.28	96	56645	45.998	ug/L	89
13) Acetone	2.32	43	105505	95.967	ug/L	99
14) Carbon disulfide	2.47	76	183094	42.576	ug/L	100
15) Methyl Acetate	2.61	43	81060	47.294	ug/L	100
16) Methylene chloride	2.70	84	73825	48.612	ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	63676	47.727	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	203811	49.679	ug/L	99
19) 1,1-Dichloroethane	3.44	63	125572	48.418	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	73723	48.780	ug/L	93
22) 2-Butanone	4.26	43	130302	97.331	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35404	49.140	ug/L	94
25) Chloroform	4.67	83	122604	49.668	ug/L	100
27) 1,2-Dichloroethane	5.40	62	90197	49.166	ug/L	100
29) Cyclohexane	4.99	56	112586	45.555	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	97686	49.703	ug/L	99
31) Carbon tetrachloride	5.13	117	79547	50.191	ug/L	100
33) Benzene	5.39	78	287419	48.619	ug/L	100
34) Trichloroethene	6.18	95	67287	47.145	ug/L	95
35) Methylcyclohexane	6.41	83	114544	48.187	ug/L	99
37) 1,2-Dichloropropane	6.43	63	81141	49.101	ug/L	100
38) Bromodichloromethane	6.76	83	91861	50.197	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	116704	49.536	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	220832	99.421	ug/L	100
42) Toluene	7.64	91	298766	49.856	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	105323	50.152	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	71263	50.436	ug/L	99
46) Tetrachloroethene	8.22	164	54452	49.538	ug/L	98
48) 2-Hexanone	8.36	43	179562	98.496	ug/L	99
49) Dibromochloromethane	8.48	129	72451	51.480	ug/L	100
50) 1,2-Dibromoethane	8.58	107	74146	50.437	ug/L	100
51) Chlorobenzene	9.12	112	191161	50.615	ug/L	99
52) Ethylbenzene	9.25	91	316456	49.146	ug/L	98
53) m,p-Xylene	9.37	106	118848	49.913	ug/L	96
54) o-xylene	9.78	106	119469	50.061	ug/L	98
55) Styrene	9.79	104	205263	50.785	ug/L	99
56) Isopropylbenzene	10.16	105	301704	49.835	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	129436	50.427	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	97417	49.399	ug/L	99
61) Bromoform	9.95	173	56516	53.641	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	136291	50.480	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	142884	51.367	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	149251	52.993	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25181	51.833	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	99371	49.919	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	85004	50.993	ug/L	99
69) Naphthalene	13.74	128	296810	51.284	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	92099	51.237	ug/L	100

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

