

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026925.D
 Acq On : 20 Sep 2018 09:42
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Sep 21 04:22:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 20 02:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	236518	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	225190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117769	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76190	43.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.10%
7) Chloroethane-d5	1.67	69	63574	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.90%
11) 1,1-Dichloroethene-d2	2.27	63	147231	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
21) 2-Butanone-d5	4.18	46	108359	93.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.33%
24) Chloroform-d	4.65	84	136760	42.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.28%
26) 1,2-Dichloroethane-d4	5.31	65	84772	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.96%
32) Benzene-d6	5.34	84	276504	43.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.62%
36) 1,2-Dichloropropane-d6	6.33	67	87558	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.12%
41) Toluene-d8	7.57	98	255583	44.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.66%
43) trans-1,3-Dichloropropene-	7.85	79	40659	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.56%
47) 2-Hexanone-d5	8.31	63	79840	99.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121200	42.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	105207	42.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	112802	50.464	ug/L 100
3) Chloromethane	1.33	50	114404	50.175	ug/L 100
5) Vinyl chloride	1.40	62	113459	51.132	ug/L 100
6) Bromomethane	1.62	94	56971	51.983	ug/L 98
8) Chloroethane	1.70	64	70090	50.406	ug/L 98
9) Trichlorofluoromethane	1.88	101	144044	52.248	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86301	52.844	ug/L 99
12) 1,1-Dichloroethene	2.28	96	78208	50.990	ug/L 92
13) Acetone	2.32	43	133127	116.655	ug/L 98
14) Carbon disulfide	2.48	76	245762	46.432	ug/L 100
15) Methyl Acetate	2.61	43	104109	52.653	ug/L 100
16) Methylene chloride	2.70	84	96714	49.603	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	83587	49.481	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	270362	54.730	ug/L 99
19) 1,1-Dichloroethane	3.45	63	161660	49.617	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	94241	50.725	ug/L 98
22) 2-Butanone	4.26	43	157696	112.054	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	50988	50.828	ug/L	98
25) Chloroform	4.67	83	163353	49.500	ug/L	98
27) 1,2-Dichloroethane	5.40	62	128117	49.750	ug/L	99
29) Cyclohexane	5.00	56	143062	54.715	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	137302	51.251	ug/L	98
31) Carbon tetrachloride	5.14	117	122427	50.995	ug/L	100
33) Benzene	5.39	78	360328	51.610	ug/L	100
34) Trichloroethene	6.19	95	85192	50.850	ug/L	98
35) Methylcyclohexane	6.42	83	148009	54.196	ug/L	99
37) 1,2-Dichloropropane	6.43	63	99026	51.633	ug/L	100
38) Bromodichloromethane	6.76	83	121815	51.217	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	144811	53.452	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	257579	113.030	ug/L	99
42) Toluene	7.64	91	374798	53.048	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	136011	53.618	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	91825	52.515	ug/L	98
46) Tetrachloroethene	8.23	164	78971	53.172	ug/L	99
48) 2-Hexanone	8.36	43	207766	113.026	ug/L	98
49) Dibromochloromethane	8.48	129	103528	52.306	ug/L	99
50) 1,2-Dibromoethane	8.59	107	95825	52.567	ug/L	98
51) Chlorobenzene	9.12	112	245738	51.259	ug/L	99
52) Ethylbenzene	9.25	91	402993	54.452	ug/L	99
53) m,p-Xylene	9.38	106	157849	55.481	ug/L	98
54) o-xylene	9.78	106	158689	57.245	ug/L	99
55) Styrene	9.79	104	272108	56.854	ug/L	99
56) Isopropylbenzene	10.17	105	400555	56.567	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	151670	51.571	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	118224	51.462	ug/L	99
61) Bromoform	9.96	173	78732	50.838	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	191298	53.284	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	200807	50.796	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	207463	52.189	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	30517	50.602	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	154148	55.485	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	132490	55.341	ug/L	99
69) Naphthalene	13.74	128	417541	59.200	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	148328	56.262	ug/L	99

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

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