

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026727.D
 Acq On : 13 Sep 2018 15:40
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Sep 14 01:19:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 13 03:38:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	200163	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	188260	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96347	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66194	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.76%
7) Chloroethane-d5	1.68	69	52279	43.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.98%
11) 1,1-Dichloroethene-d2	2.27	63	125307	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.88%
21) 2-Butanone-d5	4.18	46	88975	95.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.85%
24) Chloroform-d	4.65	84	111403	44.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	5.31	65	70397	43.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.74%
32) Benzene-d6	5.34	84	220936	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.68%
36) 1,2-Dichloropropane-d6	6.33	67	73718	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.18%
41) Toluene-d8	7.57	98	208781	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%
43) trans-1,3-Dichloropropene-	7.85	79	34599	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.31	63	66625	99.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99759	44.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	83048	43.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	64872	51.487	ug/L 98
3) Chloromethane	1.33	50	81290	49.080	ug/L 99
5) Vinyl chloride	1.40	62	84886	49.599	ug/L 99
6) Bromomethane	1.62	94	46063	46.186	ug/L 98
8) Chloroethane	1.69	64	51615	48.628	ug/L 100
9) Trichlorofluoromethane	1.88	101	111720	51.768	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67315	54.772	ug/L 99
12) 1,1-Dichloroethene	2.28	96	60268	51.064	ug/L 96
13) Acetone	2.32	43	105102	99.414	ug/L 100
14) Carbon disulfide	2.48	76	184948	48.248	ug/L 100
15) Methyl Acetate	2.62	43	83076	55.081	ug/L 98
16) Methylene chloride	2.70	84	71927	51.639	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	63904	51.100	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	211566	54.902	ug/L 100
19) 1,1-Dichloroethane	3.45	63	128642	53.040	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	75531	53.621	ug/L 94
22) 2-Butanone	4.26	43	130069	107.453	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37551	52.121	uq/L	97
25) Chloroform	4.67	83	127778	52.416	uq/L	100
27) 1,2-Dichloroethane	5.41	62	102267	52.831	uq/L	99
29) Cyclohexane	5.00	56	114794	55.667	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	107682	53.993	uq/L	99
31) Carbon tetrachloride	5.14	117	96997	53.806	uq/L	97
33) Benzene	5.39	78	284107	53.890	uq/L	100
34) Trichloroethene	6.19	95	70405	53.729	uq/L	97
35) Methylcyclohexane	6.42	83	119488	56.967	uq/L	99
37) 1,2-Dichloropropane	6.43	63	80934	54.953	uq/L	100
38) Bromodichloromethane	6.76	83	98050	54.325	uq/L	100
39) cis-1,3-Dichloropropene	7.27	75	117763	54.036	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	221054	117.665	uq/L	99
42) Toluene	7.64	91	299750	54.856	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	110110	54.309	uq/L	98
45) 1,1,2-Trichloroethane	8.07	97	71217	54.514	uq/L	99
46) Tetrachloroethene	8.23	164	59609	54.128	uq/L	98
48) 2-Hexanone	8.36	43	184565	116.362	uq/L	99
49) Dibromochloromethane	8.48	129	80742	53.471	uq/L	98
50) 1,2-Dibromoethane	8.59	107	76014	54.392	uq/L	100
51) Chlorobenzene	9.12	112	193150	53.835	uq/L	100
52) Ethylbenzene	9.25	91	328057	55.513	uq/L	98
53) m,p-Xylene	9.38	106	126150	56.614	uq/L	99
54) o-xylene	9.78	106	123514	55.852	uq/L	99
55) Styrene	9.79	104	210936	56.388	uq/L	100
56) Isopropylbenzene	10.17	105	320861	56.957	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	123770	54.688	uq/L	100
59) 1,2,3-Trichloropropane	10.49	75	96264	55.242	uq/L	99
61) Bromoform	9.96	173	62435	52.605	uq/L	99
62) 1,3-Dichlorobenzene	11.42	146	150359	54.351	uq/L	98
63) 1,4-Dichlorobenzene	11.51	146	152579	52.063	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	156745	53.610	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	25992	55.027	uq/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	121860	55.533	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	106743	55.966	uq/L	98
69) Naphthalene	13.74	128	342609	58.621	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	116278	56.282	uq/L	99

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

