

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091118\
 Data File : VU026671.D
 Acq On : 11 Sep 2018 07:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Sep 12 00:45:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 07:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	189923	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180941	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91390	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64963	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	54138	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.94%
11) 1,1-Dichloroethene-d2	2.27	63	121183	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
21) 2-Butanone-d5	4.17	46	92200	104.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.68%
24) Chloroform-d	4.65	84	121307	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
26) 1,2-Dichloroethane-d4	5.31	65	77565	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.34	84	236700	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.33	67	80914	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.98%
41) Toluene-d8	7.57	98	226335	51.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.02%
43) trans-1,3-Dichloropropene-	7.85	79	38148	52.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.42%
47) 2-Hexanone-d5	8.31	63	70011	109.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	111216	51.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	91731	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	65294	54.62	ug/L	100
3) Chloromethane	1.33	50	81310	51.74	ug/L	100
5) Vinyl chloride	1.40	62	86309	53.15	ug/L	99
6) Bromomethane	1.62	94	46210	48.83	ug/L	97
8) Chloroethane	1.70	64	53225	52.85	ug/L	99
9) Trichlorofluoromethane	1.88	101	113197	55.28	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	65173	55.89	ug/L	99
12) 1,1-Dichloroethene	2.28	96	58963	52.65	ug/L	96
13) Acetone	2.32	43	109900	109.56	ug/L	100
14) Carbon disulfide	2.48	76	188120	51.72	ug/L	100
15) Methyl Acetate	2.61	43	78122	54.59	ug/L	97
16) Methylene chloride	2.70	84	71087	53.79	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	62955	53.05	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	198126	54.19	ug/L	99
19) 1,1-Dichloroethane	3.45	63	126553	54.99	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	72643	54.35	ug/L	99
22) 2-Butanone	4.26	43	125977	109.68	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38099	55.73	ug/L	97
25) Chloroform	4.67	83	125316	54.18	ug/L	98
27) 1,2-Dichloroethane	5.40	62	102044	55.56	ug/L	99
29) Cyclohexane	5.00	56	112781	56.90	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	104618	54.58	ug/L	98
31) Carbon tetrachloride	5.14	117	95462	55.10	ug/L	98
33) Benzene	5.39	78	278169	54.90	ug/L	100
34) Trichloroethene	6.19	95	67917	53.93	ug/L	98
35) Methylcyclohexane	6.42	83	117330	58.20	ug/L	100
37) 1,2-Dichloropropane	6.43	63	79012	55.82	ug/L	100
38) Bromodichloromethane	6.76	83	96902	55.86	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	115196	55.00	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	204309	113.15	ug/L	99
42) Toluene	7.64	91	293170	55.82	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	107940	55.39	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	69296	55.19	ug/L	98
46) Tetrachloroethene	8.23	164	58770	55.52	ug/L	99
48) 2-Hexanone	8.36	43	176026	115.47	ug/L	100
49) Dibromochloromethane	8.48	129	79458	54.75	ug/L	98
50) 1,2-Dibromoethane	8.59	107	73994	55.09	ug/L	99
51) Chlorobenzene	9.12	112	188876	54.77	ug/L	97
52) Ethylbenzene	9.25	91	318506	56.08	ug/L	98
53) m,p-Xylene	9.38	106	123877	57.84	ug/L	96
54) o-xylene	9.78	106	120417	56.65	ug/L	98
55) Styrene	9.79	104	207749	57.78	ug/L	99
56) Isopropylbenzene	10.17	105	313228	57.85	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	120326	55.32	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	91385	54.56	ug/L	99
61) Bromoform	9.96	173	61786	54.88	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	144829	55.19	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	149946	53.94	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	152545	55.00	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	24007	53.58	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	119431	57.38	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	102489	56.65	ug/L	99
69) Naphthalene	13.74	128	319703	57.67	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	110312	56.29	ug/L	99

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

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