

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
 Data File : VU026697.D
 Acq On : 12 Sep 2018 12:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Sep 13 03:35:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 12 00:46:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	246050	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228772	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116093	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71301	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.78%
7) Chloroethane-d5	1.67	69	61837	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.70%
11) 1,1-Dichloroethene-d2	2.27	63	141147	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.02%
21) 2-Butanone-d5	4.18	46	122351	107.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.23%
24) Chloroform-d	4.65	84	142137	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	5.31	65	90326	45.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.54%
32) Benzene-d6	5.34	84	280978	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
36) 1,2-Dichloropropane-d6	6.33	67	94440	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.06%
41) Toluene-d8	7.57	98	264817	47.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.34%
43) trans-1,3-Dichloropropene-	7.85	79	44484	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
47) 2-Hexanone-d5	8.31	63	92673	114.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	134555	49.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	109590	47.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	79084	51.06	ug/L	99
3) Chloromethane	1.33	50	102321	50.26	ug/L	100
5) Vinyl chloride	1.40	62	108479	51.56	ug/L	100
6) Bromomethane	1.62	94	57387	46.81	ug/L	97
8) Chloroethane	1.69	64	66263	50.79	ug/L	100
9) Trichlorofluoromethane	1.88	101	139111	52.44	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	83483	55.26	ug/L	99
12) 1,1-Dichloroethene	2.28	96	77455	53.39	ug/L	95
13) Acetone	2.32	43	135586	104.33	ug/L	100
14) Carbon disulfide	2.48	76	237428	50.39	ug/L	100
15) Methyl Acetate	2.61	43	105101	56.69	ug/L	100
16) Methylene chloride	2.70	84	92151	53.82	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	82644	53.76	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	268160	56.61	ug/L	99
19) 1,1-Dichloroethane	3.45	63	160759	53.92	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	94997	54.86	ug/L	98
22) 2-Butanone	4.26	43	165729	111.38	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	48123	54.34	ug/L	99
25) Chloroform	4.67	83	161612	53.93	ug/L	100
27) 1,2-Dichloroethane	5.40	62	127315	53.50	ug/L	99
29) Cyclohexane	5.00	56	145929	58.23	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	135085	55.74	ug/L	99
31) Carbon tetrachloride	5.13	117	121294	55.37	ug/L	99
33) Benzene	5.39	78	358231	55.92	ug/L	100
34) Trichloroethene	6.19	95	89539	56.23	ug/L	99
35) Methylcyclohexane	6.42	83	152657	59.89	ug/L	98
37) 1,2-Dichloropropane	6.43	63	101199	56.54	ug/L	99
38) Bromodichloromethane	6.76	83	122934	56.05	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	149895	56.60	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	281449	123.28	ug/L	99
42) Toluene	7.64	91	382335	57.58	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	137588	55.84	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	90148	56.79	ug/L	97
46) Tetrachloroethene	8.23	164	76382	57.08	ug/L	99
48) 2-Hexanone	8.36	43	232404	120.58	ug/L	98
49) Dibromochloromethane	8.48	129	103487	56.40	ug/L	97
50) 1,2-Dibromoethane	8.59	107	97382	57.34	ug/L	99
51) Chlorobenzene	9.12	112	245774	56.37	ug/L	99
52) Ethylbenzene	9.25	91	415608	57.87	ug/L	100
53) m,p-Xylene	9.38	106	158211	58.43	ug/L	100
54) o-xylene	9.78	106	158046	58.81	ug/L	100
55) Styrene	9.79	104	268249	59.01	ug/L	99
56) Isopropylbenzene	10.17	105	409517	59.82	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	154818	56.29	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	121203	57.24	ug/L	100
61) Bromoform	9.96	173	79005	55.24	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	191270	57.38	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	195011	55.22	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	200399	56.88	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	33261	58.44	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	156423	59.16	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	134236	58.41	ug/L	98
69) Naphthalene	13.75	128	432285	61.38	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	144482	58.04	ug/L	99

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

