

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121818\
 Data File : VU028780.D
 Acq On : 18 Dec 2018 19:23
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Dec 19 00:44:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 19 00:38:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	184722	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	175071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82701	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80234	46.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.02%
7) Chloroethane-d5	1.67	69	61229	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.70%
11) 1,1-Dichloroethene-d2	2.27	63	134606	44.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.50%
21) 2-Butanone-d5	4.18	46	121564	87.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.74%
24) Chloroform-d	4.65	84	126816	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
26) 1,2-Dichloroethane-d4	5.31	65	76729	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.24%
32) Benzene-d6	5.34	84	269638	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
36) 1,2-Dichloropropane-d6	6.33	67	93159	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.78%
41) Toluene-d8	7.56	98	248242	49.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.46%
43) trans-1,3-Dichloropropene-	7.85	79	41396	46.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.08%
47) 2-Hexanone-d5	8.31	63	94972	99.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	128305	50.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	89495	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	68255	44.365 ug/L	99
3) Chloromethane	1.33	50	102512	43.334 ug/L	97
5) Vinyl chloride	1.40	62	98348	48.031 ug/L	98
6) Bromomethane	1.61	94	38878	63.260 ug/L	95
8) Chloroethane	1.69	64	57771	49.235 ug/L	99
9) Trichlorofluoromethane	1.88	101	103331	48.327 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67182	52.319 ug/L	95
12) 1,1-Dichloroethene	2.28	96	65404	53.747 ug/L #	65
13) Acetone	2.32	43	87700	56.620 ug/L	94
14) Carbon disulfide	2.48	76	209584	46.427 ug/L	100
15) Methyl Acetate	2.61	43	98694	45.722 ug/L	92
16) Methylene chloride	2.70	84	81291	51.097 ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	71607	50.749 ug/L	91
18) Methyl tert-butyl Ether	3.00	73	233262	49.074 ug/L	96
19) 1,1-Dichloroethane	3.44	63	147415	49.285 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	83632	52.260 ug/L	93
22) 2-Butanone	4.26	43	139162	76.105 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	40012	55.993	ug/L #	83
25) Chloroform	4.67	83	136171	49.437	ug/L	98
27) 1,2-Dichloroethane	5.40	62	103496	45.458	ug/L	96
29) Cyclohexane	5.00	56	133593	46.108	ug/L	92
30) 1,1,1-Trichloroethane	4.91	97	106619	49.055	ug/L	98
31) Carbon tetrachloride	5.13	117	85049	48.368	ug/L	99
33) Benzene	5.39	78	329641	52.786	ug/L	100
34) Trichloroethene	6.18	95	76759	50.606	ug/L	91
35) Methylcyclohexane	6.41	83	127682	49.930	ug/L	94
37) 1,2-Dichloropropane	6.43	63	94068	50.390	ug/L	100
38) Bromodichloromethane	6.76	83	101403	49.393	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	131113	49.487	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	263774	92.790	ug/L #	93
42) Toluene	7.64	91	335850	52.940	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	117344	48.017	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	79565	54.390	ug/L	96
46) Tetrachloroethene	8.22	164	57984	54.027	ug/L	97
48) 2-Hexanone	8.36	43	205744	85.535	ug/L #	94
49) Dibromochloromethane	8.48	129	77285	52.226	ug/L	97
50) 1,2-Dibromoethane	8.58	107	82683	53.893	ug/L	99
51) Chlorobenzene	9.12	112	208432	54.538	ug/L	94
52) Ethylbenzene	9.25	91	358142	50.994	ug/L	98
53) m,p-Xylene	9.37	106	133315	52.436	ug/L	92
54) o-xylene	9.78	106	134700	53.954	ug/L	96
55) Styrene	9.79	104	233258	55.027	ug/L	94
56) Isopropylbenzene	10.16	105	339651	52.192	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	144094	53.629	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	111582	52.900	ug/L	100
61) Bromoform	9.96	173	58846	55.605	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	152088	53.883	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	154308	54.024	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	158273	56.122	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	27490	49.508	ug/L	83
67) 1,3,5-Trichlorobenzene	12.89	180	112112	54.694	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	97370	50.644	ug/L	99
69) Naphthalene	13.74	128	349194	54.721	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	104009	54.157	ug/L	98

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

