

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121818\
 Data File : VU028764.D
 Acq On : 18 Dec 2018 12:39
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Dec 19 00:37:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 05:44:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188555	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177733	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85065	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84437	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.90%
7) Chloroethane-d5	1.67	69	63710	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.54%
11) 1,1-Dichloroethene-d2	2.27	63	141686	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
21) 2-Butanone-d5	4.17	46	120878	85.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.48%
24) Chloroform-d	4.65	84	131733	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
26) 1,2-Dichloroethane-d4	5.30	65	79938	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.00%
32) Benzene-d6	5.34	84	284188	51.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.28%
36) 1,2-Dichloropropane-d6	6.33	67	97613	48.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.82%
41) Toluene-d8	7.56	98	260593	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%
43) trans-1,3-Dichloropropene-	7.85	79	44299	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.06%
47) 2-Hexanone-d5	8.31	63	97134	100.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	131634	50.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	96394	55.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.70%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	72512	46.174	ug/L 98
3) Chloromethane	1.33	50	106452	44.084	ug/L 98
5) Vinyl chloride	1.40	62	101570	48.596	ug/L 99
6) Bromomethane	1.61	94	39435	62.862	ug/L 96
8) Chloroethane	1.69	64	59290	49.502	ug/L 99
9) Trichlorofluoromethane	1.88	101	107682	49.338	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	72403	55.238	ug/L 93
12) 1,1-Dichloroethene	2.28	96	68046	54.782	ug/L 76
13) Acetone	2.32	43	124380	78.669	ug/L 93
14) Carbon disulfide	2.48	76	222946	48.383	ug/L 99
15) Methyl Acetate	2.61	43	99011	44.936	ug/L 92
16) Methylene chloride	2.70	84	84958	52.316	ug/L 88
17) trans-1,2-Dichloroethene	2.98	96	75508	52.426	ug/L 90
18) Methyl tert-butyl Ether	3.00	73	241215	49.716	ug/L 95
19) 1,1-Dichloroethane	3.44	63	150212	49.199	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	88021	53.885	ug/L 91
22) 2-Butanone	4.26	43	159687	85.554	ug/L 94

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

23) Bromochloromethane	4.55	128	40955	56.148	ug/L #	85
25) Chloroform	4.67	83	140549	49.989	ug/L	100
27) 1,2-Dichloroethane	5.40	62	106357	45.765	ug/L #	95
29) Cyclohexane	4.99	56	142921	48.589	ug/L	93
30) 1,1,1-Trichloroethane	4.91	97	111237	50.413	ug/L	98
31) Carbon tetrachloride	5.13	117	91479	51.246	ug/L	97
33) Benzene	5.39	78	337066	53.167	ug/L	100
34) Trichloroethene	6.18	95	79604	51.695	ug/L	91
35) Methylcyclohexane	6.41	83	140643	54.175	ug/L	93
37) 1,2-Dichloropropane	6.43	63	97740	51.573	ug/L	99
38) Bromodichloromethane	6.76	83	107680	51.665	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	141201	52.496	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	267873	92.821	ug/L	93
42) Toluene	7.64	91	347460	53.949	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	123809	49.904	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	81764	55.056	ug/L	98
46) Tetrachloroethene	8.22	164	61793	56.713	ug/L	97
48) 2-Hexanone	8.36	43	219663	89.954	ug/L #	93
49) Dibromochloromethane	8.48	129	82752	55.083	ug/L	98
50) 1,2-Dibromoethane	8.58	107	86180	55.331	ug/L	98
51) Chlorobenzene	9.12	112	217785	56.131	ug/L	94
52) Ethylbenzene	9.25	91	379262	53.192	ug/L	99
53) m,p-Xylene	9.37	106	140235	54.331	ug/L	96
54) o-xylene	9.78	106	142208	56.108	ug/L	97
55) Styrene	9.79	104	241377	56.090	ug/L	97
56) Isopropylbenzene	10.16	105	363156	54.969	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	148949	54.606	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	112570	52.569	ug/L	100
61) Bromoform	9.96	173	62715	57.614	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	165763	57.096	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	165003	56.163	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	167857	57.867	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	29172	51.078	ug/L	83
67) 1,3,5-Trichlorobenzene	12.89	180	124988	59.282	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	110500	55.876	ug/L	97
69) Naphthalene	13.74	128	377969	57.584	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	114645	58.036	ug/L	98

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

