

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121218\
 Data File : VU028601.D
 Acq On : 11 Dec 2018 12:13
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Quant Time: Dec 12 05:42:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 02:51:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	154162	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147610	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69127	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63984	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.88%
7) Chloroethane-d5	1.67	69	50866	47.13	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.26%
11) 1,1-Dichloroethene-d2	2.27	63	116531	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.80%
21) 2-Butanone-d5	4.17	46	119659	103.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.49%
24) Chloroform-d	4.65	84	112432	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	5.31	65	74427	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
32) Benzene-d6	5.34	84	232432	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
36) 1,2-Dichloropropane-d6	6.33	67	84188	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.58%
41) Toluene-d8	7.56	98	204804	48.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.34%
43) trans-1,3-Dichloropropene-	7.85	79	37813	49.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.76%
47) 2-Hexanone-d5	8.31	63	86092	107.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112631	52.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	74297	52.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	60898	47.430	ug/L	96
3) Chloromethane	1.33	50	95613	48.429	ug/L	99
5) Vinyl chloride	1.40	62	81668	47.791	ug/L	98
6) Bromomethane	1.61	94	26473	51.614	ug/L	95
8) Chloroethane	1.69	64	46472	47.457	ug/L	99
9) Trichlorofluoromethane	1.88	101	86200	48.307	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	53885	50.282	ug/L	99
12) 1,1-Dichloroethene	2.28	96	49791	49.028	ug/L	87
13) Acetone	2.32	43	114781	88.794	ug/L	99
14) Carbon disulfide	2.48	76	174425	46.298	ug/L	99
15) Methyl Acetate	2.61	43	89055	49.435	ug/L	100
16) Methylene chloride	2.70	84	64104	48.281	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	56524	48.001	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	195242	49.218	ug/L	99
19) 1,1-Dichloroethane	3.44	63	119707	47.955	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	65213	48.829	ug/L	96
22) 2-Butanone	4.26	43	144908	94.957	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	29081	48.764	ug/L	99
25) Chloroform	4.67	83	111268	48.403	ug/L	100
27) 1,2-Dichloroethane	5.40	62	90906	47.843	ug/L	99
29) Cyclohexane	4.99	56	117995	48.301	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	88792	48.453	ug/L	98
31) Carbon tetrachloride	5.13	117	71044	47.920	ug/L	100
33) Benzene	5.39	78	259060	49.202	ug/L	100
34) Trichloroethene	6.18	95	61889	48.393	ug/L	98
35) Methylcyclohexane	6.41	83	106719	49.496	ug/L	99
37) 1,2-Dichloropropane	6.43	63	77447	49.204	ug/L	100
38) Bromodichloromethane	6.76	83	84361	48.736	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	110594	49.508	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	239416	99.890	ug/L	100
42) Toluene	7.64	91	263381	49.240	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	99033	48.064	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	61040	49.489	ug/L	98
46) Tetrachloroethene	8.22	164	43868	48.478	ug/L	98
48) 2-Hexanone	8.36	43	198202	97.729	ug/L	100
49) Dibromochloromethane	8.48	129	60676	48.631	ug/L	99
50) 1,2-Dibromoethane	8.58	107	63943	49.432	ug/L	99
51) Chlorobenzene	9.12	112	158629	49.228	ug/L	97
52) Ethylbenzene	9.25	91	289252	48.847	ug/L	100
53) m,p-Xylene	9.37	106	105605	49.264	ug/L	98
54) o-xylene	9.78	106	103544	49.191	ug/L	92
55) Styrene	9.79	104	179698	50.278	ug/L	98
56) Isopropylbenzene	10.16	105	272284	49.624	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	115241	50.870	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	88418	49.716	ug/L	98
61) Bromoform	9.95	173	45242	51.145	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	118309	50.146	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	118292	49.547	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	120421	51.085	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	23090	49.750	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	87686	51.178	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	76669	47.707	ug/L	97
69) Naphthalene	13.74	128	268860	50.405	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	80229	49.978	ug/L	99

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

