

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100918\
 Data File : VU027524.D
 Acq On : 09 Oct 2018 13:10
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Oct 10 08:26:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 10 08:24:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	196624	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	180845	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64095	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.84%
7) Chloroethane-d5	1.68	69	50461	42.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.66%
11) 1,1-Dichloroethene-d2	2.27	63	129523	44.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.24%
21) 2-Butanone-d5	4.18	46	102000	81.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.65%
24) Chloroform-d	4.65	84	103554	41.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.68%
26) 1,2-Dichloroethane-d4	5.31	65	74211	42.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.58%
32) Benzene-d6	5.34	84	220593	42.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.12%
36) 1,2-Dichloropropane-d6	6.33	67	76229	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.88%
41) Toluene-d8	7.57	98	192739	41.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.85	79	35195	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.28%
47) 2-Hexanone-d5	8.31	63	73954	82.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97904	42.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.34%
64) 1,2-Dichlorobenzene-d4	11.86	152	68708	39.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.78%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	97440	49.972	ug/L	98
3) Chloromethane	1.33	50	115535	51.565	ug/L	98
5) Vinyl chloride	1.40	62	108089	49.369	ug/L	97
6) Bromomethane	1.62	94	46100	48.182	ug/L	99
8) Chloroethane	1.70	64	61772	47.078	ug/L	99
9) Trichlorofluoromethane	1.89	101	115642	52.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67931	52.211	ug/L	99
12) 1,1-Dichloroethene	2.29	96	61616	48.512	ug/L	94
13) Acetone	2.32	43	123368	120.409	ug/L	100
14) Carbon disulfide	2.48	76	211270	45.284	ug/L	99
15) Methyl Acetate	2.62	43	107424	52.323	ug/L	99
16) Methylene chloride	2.70	84	79257	51.378	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	66800	47.494	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	239873	51.293	ug/L	99
19) 1,1-Dichloroethane	3.45	63	152236	52.419	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	77260	49.518	ug/L	96
22) 2-Butanone	4.26	43	159502	108.753	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36415	51.179	ug/L	93
25) Chloroform	4.67	83	147441	52.554	ug/L	99
27) 1,2-Dichloroethane	5.41	62	115342	51.191	ug/L	100
29) Cyclohexane	5.00	56	142770	52.048	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	114716	53.017	ug/L	99
31) Carbon tetrachloride	5.14	117	97834	53.757	ug/L	99
33) Benzene	5.39	78	312561	52.595	ug/L	100
34) Trichloroethene	6.19	95	70917	49.620	ug/L	98
35) Methylcyclohexane	6.42	83	127650	51.405	ug/L	98
37) 1,2-Dichloropropane	6.43	63	93845	54.505	ug/L	100
38) Bromodichloromethane	6.76	83	104909	53.619	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	130469	51.570	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	277465	110.048	ug/L	97
42) Toluene	7.64	91	308960	51.814	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	120525	51.323	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	72831	52.694	ug/L	100
46) Tetrachloroethene	8.23	164	53731	50.586	ug/L	99
48) 2-Hexanone	8.36	43	225933	113.484	ug/L	98
49) Dibromochloromethane	8.48	129	75942	52.694	ug/L	96
50) 1,2-Dibromoethane	8.59	107	75124	51.233	ug/L	100
51) Chlorobenzene	9.12	112	187586	49.761	ug/L	100
52) Ethylbenzene	9.25	91	335606	50.690	ug/L	99
53) m,p-Xylene	9.38	106	124118	51.219	ug/L	98
54) o-xylene	9.78	106	121609	52.091	ug/L	99
55) Styrene	9.79	104	207806	51.981	ug/L	97
56) Isopropylbenzene	10.17	105	320093	52.320	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	128661	53.129	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	104250	53.481	ug/L	100
61) Bromoform	9.96	173	53211	53.186	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	130999	47.803	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	136773	47.848	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	140497	50.364	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	27030	52.268	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	99086	46.799	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	82587	42.416	ug/L	99
69) Naphthalene	13.74	128	294917	49.122	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	93569	47.257	ug/L	98

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

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