

Data File : VU025404.D
Acq On : 13 Jul 2018 21:56
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05002

Quant Time: Jul 14 04:31:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 13 14:43:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	339206	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	315025	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	163480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84143	41.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.00%
7) Chloroethane-d5	1.68	69	71165	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.10%
11) 1,1-Dichloroethene-d2	2.27	63	185150	41.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.72%
21) 2-Butanone-d5	4.17	46	158165	93.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.32%
24) Chloroform-d	4.65	84	197137	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
26) 1,2-Dichloroethane-d4	5.31	65	131972	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
32) Benzene-d6	5.35	84	365662	42.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.62%
36) 1,2-Dichloropropane-d6	6.33	67	118053	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.76%
41) Toluene-d8	7.57	98	360760	42.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.32%
43) trans-1,3-Dichloropropene-	7.85	79	56873	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.40%
47) 2-Hexanone-d5	8.31	63	122581	97.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.56%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	177520	45.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	153846	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	146974	47.688 ug/L	99
3) Chloromethane	1.33	50	131640	51.778 ug/L	100
5) Vinyl chloride	1.40	62	121536	46.198 ug/L	99
6) Bromomethane	1.62	94	25265	17.887 ug/L	90
8) Chloroethane	1.70	64	77483	48.866 ug/L	97
9) Trichlorofluoromethane	1.89	101	167009	43.472 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	104726	45.925 ug/L	99
12) 1,1-Dichloroethene	2.28	96	93497	44.937 ug/L	95
13) Acetone	2.32	43	119198	68.424 ug/L	98
14) Carbon disulfide	2.48	76	299336	47.646 ug/L	100
15) Methyl Acetate	2.61	43	133820	50.205 ug/L	99
16) Methylene chloride	2.70	84	120585	49.389 ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	108679	48.245 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	380485	48.540 ug/L	99
19) 1,1-Dichloroethane	3.45	63	209473	48.854 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	128210	49.280 ug/L	96
22) 2-Butanone	4.26	43	190587	92.479 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58730	43.910	ug/L	96
25) Chloroform	4.68	83	222908	48.691	ug/L	98
27) 1,2-Dichloroethane	5.41	62	186288	48.553	ug/L	98
29) Cyclohexane	5.00	56	184864	45.394	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	201539	47.898	ug/L	98
31) Carbon tetrachloride	5.14	117	175572	47.743	ug/L	99
33) Benzene	5.39	78	458834	48.025	ug/L	100
34) Trichloroethene	6.19	95	122239	48.098	ug/L	99
35) Methylcyclohexane	6.42	83	190705	44.966	ug/L	99
37) 1,2-Dichloropropane	6.44	63	124102	48.642	ug/L	100
38) Bromodichloromethane	6.76	83	159742	47.106	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	186633	46.189	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	375282	102.098	ug/L	99
42) Toluene	7.64	91	497431	47.907	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	169495	45.091	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	119306	49.004	ug/L	97
46) Tetrachloroethene	8.23	164	111717	51.930	ug/L	97
48) 2-Hexanone	8.36	43	299509	102.424	ug/L	99
49) Dibromochloromethane	8.48	129	126523	44.286	ug/L	99
50) 1,2-Dibromoethane	8.59	107	129049	47.921	ug/L	100
51) Chlorobenzene	9.12	112	330125	47.704	ug/L	100
52) Ethylbenzene	9.25	91	558780	47.848	ug/L	98
53) m,p-Xylene	9.38	106	216808	47.974	ug/L	99
54) o-xylene	9.78	106	219488	48.421	ug/L	98
55) Styrene	9.80	104	358352	48.232	ug/L	99
56) Isopropylbenzene	10.17	105	570548	47.920	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	205286	50.529	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	169027	51.100	ug/L	99
61) Bromoform	9.96	173	88739	41.347	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	261665	47.775	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	261397	47.446	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	276462	47.821	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	45690	47.761	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	196681	48.370	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	172809	50.835	ug/L	99
69) Naphthalene	13.74	128	611524	54.101	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	185091	50.695	ug/L	99

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

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