

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062618\
 Data File : VU024926.D
 Acq On : 26 Jun 2018 15:27
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Jun 27 01:10:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 27 01:09:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	359979	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	329944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	177982	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73733	35.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.56%
7) Chloroethane-d5	1.68	69	69395	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.56%
11) 1,1-Dichloroethene-d2	2.28	63	184859	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.80%
21) 2-Butanone-d5	4.17	46	174867	100.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.55%
24) Chloroform-d	4.65	84	205652	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.31	65	144240	55.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.80%
32) Benzene-d6	5.35	84	390834	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
36) 1,2-Dichloropropane-d6	6.33	67	128700	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.57	98	379608	46.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.66%
43) trans-1,3-Dichloropropene-	7.85	79	64526	47.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.90%
47) 2-Hexanone-d5	8.31	63	135661	98.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.87%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	196917	50.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	175531	51.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	144031	49.46	ug/L	99
3) Chloromethane	1.33	50	117137	44.74	ug/L	99
5) Vinyl chloride	1.40	62	121662	43.38	ug/L	99
6) Bromomethane	1.63	94	67865	51.25	ug/L	94
8) Chloroethane	1.70	64	77360	46.97	ug/L	99
9) Trichlorofluoromethane	1.89	101	197040	47.85	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	114105	48.85	ug/L	99
12) 1,1-Dichloroethene	2.29	96	101205	47.30	ug/L	96
13) Acetone	2.32	43	182425	98.26	ug/L	98
14) Carbon disulfide	2.48	76	281875	40.20	ug/L	100
15) Methyl Acetate	2.62	43	133815	47.03	ug/L	99
16) Methylene chloride	2.70	84	124120	47.17	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	109489	45.35	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	398523	50.77	ug/L	98
19) 1,1-Dichloroethane	3.45	63	219984	49.50	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	131536	46.73	ug/L	95
22) 2-Butanone	4.26	43	219497	92.78	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	68439	48.48	ug/L	98
25) Chloroform	4.68	83	237465	51.80	ug/L	97
27) 1,2-Dichloroethane	5.41	62	195497	55.33	ug/L	95
29) Cyclohexane	5.00	56	198548	48.54	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	206635	51.70	ug/L	99
31) Carbon tetrachloride	5.14	117	184429	50.41	ug/L	99
33) Benzene	5.39	78	477929	49.29	ug/L	100
34) Trichloroethene	6.19	95	126252	47.12	ug/L	97
35) Methylcyclohexane	6.42	83	212334	49.29	ug/L	98
37) 1,2-Dichloropropane	6.44	63	132671	49.23	ug/L	100
38) Bromodichloromethane	6.76	83	175666	49.45	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	202694	47.98	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	385199	96.26	ug/L	99
42) Toluene	7.64	91	525927	48.81	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	192020	49.70	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	126451	49.86	ug/L	99
46) Tetrachloroethene	8.23	164	107206	47.53	ug/L	99
48) 2-Hexanone	8.36	43	318569	97.97	ug/L	99
49) Dibromochloromethane	8.48	129	147262	47.39	ug/L	98
50) 1,2-Dibromoethane	8.59	107	135740	48.77	ug/L	97
51) Chlorobenzene	9.12	112	348500	48.27	ug/L	98
52) Ethylbenzene	9.25	91	603997	48.90	ug/L	100
53) m,p-Xylene	9.38	106	234432	49.32	ug/L	99
54) o-xylene	9.78	106	234499	50.01	ug/L	97
55) Styrene	9.80	104	392810	49.26	ug/L	98
56) Isopropylbenzene	10.17	105	625082	50.52	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	213742	48.92	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	173115	50.53	ug/L	98
61) Bromoform	9.96	173	113980	44.16	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	289318	48.38	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	290579	48.17	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	303035	50.64	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	52413	50.04	ug/L	85
67) 1,3,5-Trichlorobenzene	12.89	180	231126	48.34	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	199200	50.09	ug/L	99
69) Naphthalene	13.74	128	585914	53.35	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	205902	51.06	ug/L	99

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

