

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062218\
 Data File : VU024837.D
 Acq On : 22 Jun 2018 15:52
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Jun 23 01:11:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 23 01:10:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337800	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	316496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	166135	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76216	39.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.84%
7) Chloroethane-d5	1.68	69	67797	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.16%
11) 1,1-Dichloroethene-d2	2.27	63	174232	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
21) 2-Butanone-d5	4.18	46	167047	102.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.36%
24) Chloroform-d	4.65	84	189453	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.31	65	128684	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
32) Benzene-d6	5.35	84	369016	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.78%
36) 1,2-Dichloropropane-d6	6.34	67	124855	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.68%
41) Toluene-d8	7.57	98	363649	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.85	79	61313	47.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.00%
47) 2-Hexanone-d5	8.31	63	132355	100.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.56%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	184134	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	163007	50.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	133039	48.69	ug/L	100
3) Chloromethane	1.33	50	117255	47.72	ug/L	98
5) Vinyl chloride	1.40	62	117810	44.76	ug/L	99
6) Bromomethane	1.63	94	63676	51.25	ug/L	93
8) Chloroethane	1.70	64	73835	47.77	ug/L	100
9) Trichlorofluoromethane	1.89	101	187429	48.51	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108010	49.28	ug/L	99
12) 1,1-Dichloroethene	2.28	96	95790	47.71	ug/L	95
13) Acetone	2.32	43	160973	92.40	ug/L	100
14) Carbon disulfide	2.48	76	272972	41.49	ug/L	100
15) Methyl Acetate	2.62	43	128787	48.23	ug/L	98
16) Methylene chloride	2.70	84	114504	46.38	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	100641	44.42	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	364237	49.44	ug/L	99
19) 1,1-Dichloroethane	3.45	63	204716	49.09	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	124149	47.01	ug/L	97
22) 2-Butanone	4.26	43	206030	92.80	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63664	48.05	ug/L	97
25) Chloroform	4.68	83	216269	50.27	ug/L	95
27) 1,2-Dichloroethane	5.41	62	176982	53.38	ug/L	98
29) Cyclohexane	5.00	56	190857	48.65	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	188779	49.24	ug/L	98
31) Carbon tetrachloride	5.14	117	168590	48.04	ug/L	100
33) Benzene	5.39	78	456641	49.10	ug/L	100
34) Trichloroethene	6.19	95	117199	45.60	ug/L	100
35) Methylcyclohexane	6.42	83	197541	47.81	ug/L	97
37) 1,2-Dichloropropane	6.44	63	125966	48.73	ug/L	100
38) Bromodichloromethane	6.76	83	165971	48.71	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	196483	48.49	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	370412	96.50	ug/L	99
42) Toluene	7.64	91	504235	48.79	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	183275	49.45	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	119071	48.95	ug/L	98
46) Tetrachloroethene	8.23	164	101101	46.73	ug/L	98
48) 2-Hexanone	8.36	43	304176	97.52	ug/L	99
49) Dibromochloromethane	8.48	129	141014	47.31	ug/L	97
50) 1,2-Dibromoethane	8.59	107	127003	47.57	ug/L	99
51) Chlorobenzene	9.12	112	334049	48.23	ug/L	99
52) Ethylbenzene	9.25	91	571271	48.21	ug/L	100
53) m,p-Xylene	9.38	106	221489	48.58	ug/L	100
54) o-xylene	9.78	106	223528	49.69	ug/L	98
55) Styrene	9.80	104	370737	48.47	ug/L	98
56) Isopropylbenzene	10.17	105	594032	50.05	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	202263	48.26	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	165500	50.36	ug/L	98
61) Bromoform	9.96	173	109708	45.53	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	271383	48.62	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	274590	48.77	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	287499	51.47	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	49570	50.70	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	218351	48.92	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	188448	50.77	ug/L	98
69) Naphthalene	13.74	128	572384	55.83	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	201211	53.46	ug/L	100

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

