

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025451.D
 Acq On : 17 Jul 2018 02:15
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Jul 17 03:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	338785	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	318077	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	159360	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81908	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.92%
7) Chloroethane-d5	1.68	69	71993	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.27	63	186664	47.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.84%
21) 2-Butanone-d5	4.18	46	185741	100.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.91%
24) Chloroform-d	4.65	84	212889	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
26) 1,2-Dichloroethane-d4	5.31	65	143527	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.34%
32) Benzene-d6	5.35	84	394316	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.70%
36) 1,2-Dichloropropane-d6	6.33	67	129654	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.32%
41) Toluene-d8	7.57	98	380414	48.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.90%
43) trans-1,3-Dichloropropene-	7.85	79	57471	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.64%
47) 2-Hexanone-d5	8.31	63	143283	103.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.91%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	199917	50.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	163988	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	141753	47.77	ug/L	99
3) Chloromethane	1.33	50	121432	38.28	ug/L	97
5) Vinyl chloride	1.40	62	117641	45.48	ug/L	98
6) Bromomethane	1.62	94	24310	35.30	ug/L	95
8) Chloroethane	1.70	64	74439	48.97	ug/L	100
9) Trichlorofluoromethane	1.89	101	148033	41.60	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	103499	47.24	ug/L	99
12) 1,1-Dichloroethene	2.28	96	93409	46.98	ug/L	93
13) Acetone	2.32	43	125362	64.70	ug/L	97
14) Carbon disulfide	2.48	76	306698	49.06	ug/L	100
15) Methyl Acetate	2.62	43	142018	49.31	ug/L	99
16) Methylene chloride	2.70	84	119709	46.54	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	107991	48.75	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	379971	48.77	ug/L	100
19) 1,1-Dichloroethane	3.45	63	210576	48.87	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	136006	52.32	ug/L	98
22) 2-Butanone	4.26	43	203939	87.39	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	57387	47.07	ug/L	98
25) Chloroform	4.68	83	223641	49.07	ug/L	99
27) 1,2-Dichloroethane	5.41	62	184249	49.17	ug/L	100
29) Cyclohexane	5.00	56	181079	48.44	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	202376	49.18	ug/L	99
31) Carbon tetrachloride	5.14	117	177801	49.17	ug/L	98
33) Benzene	5.39	78	453357	49.18	ug/L	100
34) Trichloroethene	6.19	95	120454	48.62	ug/L	98
35) Methylcyclohexane	6.42	83	186159	46.98	ug/L	99
37) 1,2-Dichloropropane	6.44	63	125920	49.56	ug/L	100
38) Bromodichloromethane	6.76	83	163743	49.92	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	170408	43.82	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	396632	100.03	ug/L	99
42) Toluene	7.64	91	491722	49.32	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	157302	43.75	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	118757	48.61	ug/L	98
46) Tetrachloroethene	8.23	164	100361	48.88	ug/L	99
48) 2-Hexanone	8.36	43	316241	92.47	ug/L	99
49) Dibromochloromethane	8.48	129	133230	50.64	ug/L	98
50) 1,2-Dibromoethane	8.59	107	132748	50.06	ug/L	96
51) Chlorobenzene	9.12	112	330448	48.42	ug/L	100
52) Ethylbenzene	9.25	91	547718	48.28	ug/L	99
53) m,p-Xylene	9.38	106	211800	48.67	ug/L	100
54) o-xylene	9.78	106	212964	48.30	ug/L	99
55) Styrene	9.80	104	349965	48.50	ug/L	99
56) Isopropylbenzene	10.17	105	556324	48.80	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	210169	48.56	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	173226	48.48	ug/L	100
61) Bromoform	9.96	173	97438	52.89	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	256573	48.52	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	255371	48.13	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	270323	48.48	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	49798	51.37	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	190341	48.13	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	163547	47.82	ug/L	99
69) Naphthalene	13.74	128	602185	50.53	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	183523	49.93	ug/L	99

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

