

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070618\
 Data File : VU025237.D
 Acq On : 06 Jul 2018 13:14
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Jul 06 23:16:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 23:15:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	328764	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	304046	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	161253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	84096	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.67	69	72245	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.14%
11) 1,1-Dichloroethene-d2	2.27	63	198245	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
21) 2-Butanone-d5	4.18	46	174006	105.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	4.65	84	204934	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	139512	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
32) Benzene-d6	5.35	84	381843	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
36) 1,2-Dichloropropane-d6	6.33	67	123568	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.00%
41) Toluene-d8	7.57	98	377253	46.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.44%
43) trans-1,3-Dichloropropene-	7.85	79	62159	46.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.30%
47) 2-Hexanone-d5	8.31	63	125920	103.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.83%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	184865	49.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	165548	47.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.24%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	154408	51.69	ug/L	99
3) Chloromethane	1.33	50	121617	49.35	ug/L	100
5) Vinyl chloride	1.40	62	126720	49.70	ug/L	100
6) Bromomethane	1.62	94	69772	50.97	ug/L	98
8) Chloroethane	1.70	64	77910	50.70	ug/L	96
9) Trichlorofluoromethane	1.89	101	191496	51.43	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	114541	51.82	ug/L	99
12) 1,1-Dichloroethene	2.28	96	101532	50.35	ug/L	89
13) Acetone	2.32	43	202038	119.66	ug/L	98
14) Carbon disulfide	2.48	76	295077	48.46	ug/L	100
15) Methyl Acetate	2.62	43	137912	53.38	ug/L	99
16) Methylene chloride	2.70	84	128510	54.31	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	110590	50.65	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	387235	50.97	ug/L	100
19) 1,1-Dichloroethane	3.45	63	211418	50.87	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	128132	50.81	ug/L	97
22) 2-Butanone	4.26	43	235988	118.15	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	66646	51.41	ug/L	98
25) Chloroform	4.68	83	229588	51.74	ug/L	98
27) 1,2-Dichloroethane	5.41	62	192188	51.68	ug/L	99
29) Cyclohexane	5.00	56	194219	49.41	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	203352	50.07	ug/L	100
31) Carbon tetrachloride	5.14	117	183140	51.60	ug/L	100
33) Benzene	5.39	78	457476	49.61	ug/L	100
34) Trichloroethene	6.19	95	126054	51.39	ug/L	98
35) Methylcyclohexane	6.42	83	208901	51.04	ug/L	99
37) 1,2-Dichloropropane	6.44	63	126387	51.33	ug/L	100
38) Bromodichloromethane	6.76	83	169021	51.64	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	194780	49.95	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	385436	108.65	ug/L	100
42) Toluene	7.64	91	514186	51.31	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	184352	50.81	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	121929	51.89	ug/L	98
46) Tetrachloroethene	8.23	164	104978	50.56	ug/L	97
48) 2-Hexanone	8.36	43	321509	113.92	ug/L	99
49) Dibromochloromethane	8.48	129	143583	52.07	ug/L	99
50) 1,2-Dibromoethane	8.59	107	132059	50.81	ug/L	100
51) Chlorobenzene	9.12	112	342948	51.35	ug/L	100
52) Ethylbenzene	9.25	91	581829	51.62	ug/L	99
53) m,p-Xylene	9.38	106	226949	52.03	ug/L	97
54) o-xylene	9.78	106	227718	52.05	ug/L	100
55) Styrene	9.80	104	375738	52.40	ug/L	98
56) Isopropylbenzene	10.17	105	603840	52.55	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	207012	52.79	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	171869	53.84	ug/L	99
61) Bromoform	9.96	173	108298	51.16	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	273336	50.60	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	273930	50.41	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	284111	49.82	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	49949	52.93	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	208345	51.95	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	171396	51.12	ug/L	98
69) Naphthalene	13.75	128	551298	49.45	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181525	50.40	ug/L	100

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

