

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025428.D
 Acq On : 16 Jul 2018 16:47
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Jul 17 02:27:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:25:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	354281	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	332190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	168106	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85617	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.67	69	72166	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.28%
11) 1,1-Dichloroethene-d2	2.27	63	181024	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.94%
21) 2-Butanone-d5	4.18	46	201281	104.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.57%
24) Chloroform-d	4.65	84	216555	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
26) 1,2-Dichloroethane-d4	5.31	65	144551	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
32) Benzene-d6	5.35	84	397928	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
36) 1,2-Dichloropropane-d6	6.34	67	130105	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.38%
41) Toluene-d8	7.57	98	386256	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.85	79	65189	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
47) 2-Hexanone-d5	8.31	63	148102	102.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.84%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	205983	49.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.87	152	168237	47.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	143985	46.40	ug/L	100
3) Chloromethane	1.33	50	149829	45.17	ug/L	99
5) Vinyl chloride	1.40	62	124496	46.02	ug/L	99
6) Bromomethane	1.62	94	34733	48.23	ug/L	97
8) Chloroethane	1.69	64	75647	47.59	ug/L	98
9) Trichlorofluoromethane	1.88	101	172411	46.33	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	98479	42.98	ug/L	99
12) 1,1-Dichloroethene	2.28	96	88946	42.78	ug/L	97
13) Acetone	2.32	43	158921	78.43	ug/L	99
14) Carbon disulfide	2.47	76	291126	44.53	ug/L	99
15) Methyl Acetate	2.62	43	153307	50.90	ug/L	98
16) Methylene chloride	2.70	84	123757	46.01	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	106141	45.82	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	385442	47.31	ug/L	100
19) 1,1-Dichloroethane	3.45	63	214932	47.70	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	127317	46.83	ug/L	100
22) 2-Butanone	4.27	43	233509	95.69	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61923	48.57	ug/L	98
25) Chloroform	4.68	83	228651	47.97	ug/L	97
27) 1,2-Dichloroethane	5.41	62	182398	46.55	ug/L	100
29) Cyclohexane	5.00	56	182383	46.72	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	204513	47.59	ug/L	100
31) Carbon tetrachloride	5.14	117	175544	46.48	ug/L	99
33) Benzene	5.39	78	458922	47.67	ug/L	100
34) Trichloroethene	6.19	95	120695	46.64	ug/L	99
35) Methylcyclohexane	6.42	83	190353	46.00	ug/L	99
37) 1,2-Dichloropropane	6.44	63	128529	48.44	ug/L	100
38) Bromodichloromethane	6.76	83	161213	47.06	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	192794	47.47	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	424859	102.60	ug/L	100
42) Toluene	7.64	91	488801	46.95	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	180399	48.04	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	122189	47.89	ug/L	99
46) Tetrachloroethene	8.23	164	101572	47.37	ug/L	99
48) 2-Hexanone	8.36	43	352212	98.61	ug/L	99
49) Dibromochloromethane	8.48	129	127843	46.53	ug/L	100
50) 1,2-Dibromoethane	8.59	107	134051	48.40	ug/L	97
51) Chlorobenzene	9.12	112	335205	47.03	ug/L	99
52) Ethylbenzene	9.26	91	559277	47.20	ug/L	98
53) m,p-Xylene	9.38	106	213658	47.01	ug/L	99
54) o-xylene	9.78	106	220526	47.89	ug/L	97
55) Styrene	9.80	104	362530	48.11	ug/L	100
56) Isopropylbenzene	10.17	105	571006	47.96	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	216225	47.83	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	178144	47.74	ug/L	99
61) Bromoform	9.96	173	88512	45.55	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	260027	46.61	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	258314	46.16	ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	275995	46.92	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	51282	50.15	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	192856	46.23	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	168143	46.60	ug/L	99
69) Naphthalene	13.75	128	614386	48.87	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	181954	46.92	ug/L	99

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

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