

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101218\
 Data File : VU027650.D
 Acq On : 13 Oct 2018 01:50
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Oct 13 04:12:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 13 04:07:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	176159	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	167338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	78684	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	64059	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.42%
7) Chloroethane-d5	1.68	69	51317	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.10%
11) 1,1-Dichloroethene-d2	2.28	63	125227	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
21) 2-Butanone-d5	4.18	46	105103	93.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.91%
24) Chloroform-d	4.65	84	111215	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.32%
26) 1,2-Dichloroethane-d4	5.31	65	74559	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
32) Benzene-d6	5.34	84	222350	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
36) 1,2-Dichloropropane-d6	6.33	67	76370	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.98%
41) Toluene-d8	7.57	98	193879	45.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.46%
43) trans-1,3-Dichloropropene-	7.85	79	32844	41.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.98%
47) 2-Hexanone-d5	8.31	63	71168	85.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	100153	46.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	69304	45.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	89765	51.38	ug/L	98
3) Chloromethane	1.33	50	108043	53.82	ug/L	98
5) Vinyl chloride	1.40	62	101448	51.72	ug/L	98
6) Bromomethane	1.62	94	46285	53.99	ug/L	97
8) Chloroethane	1.70	64	59407	50.54	ug/L	99
9) Trichlorofluoromethane	1.89	101	108550	55.29	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	60687	52.06	ug/L	99
12) 1,1-Dichloroethene	2.29	96	56874	49.98	ug/L	91
13) Acetone	2.32	43	88584	96.50	ug/L	98
14) Carbon disulfide	2.48	76	193766	46.36	ug/L	99
15) Methyl Acetate	2.62	43	101900	55.40	ug/L	99
16) Methylene chloride	2.70	84	73992	53.54	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	61952	49.16	ug/L	95
18) Methyl tert-butyl Ether	3.00	73	222519	53.11	ug/L	99
19) 1,1-Dichloroethane	3.45	63	142368	54.72	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	71462	51.12	ug/L	98
22) 2-Butanone	4.26	43	138566	105.45	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34298	53.80	ug/L	97
25) Chloroform	4.68	83	133594	53.15	ug/L	97
27) 1,2-Dichloroethane	5.41	62	112380	55.67	ug/L	99
29) Cyclohexane	5.00	56	127619	50.28	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	108577	54.23	ug/L	99
31) Carbon tetrachloride	5.14	117	91584	54.38	ug/L	99
33) Benzene	5.39	78	292655	53.22	ug/L	100
34) Trichloroethene	6.19	95	66518	50.30	ug/L	98
35) Methylcyclohexane	6.42	83	111381	48.47	ug/L	98
37) 1,2-Dichloropropane	6.43	63	86493	54.29	ug/L	100
38) Bromodichloromethane	6.76	83	98414	54.36	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	113836	48.63	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	255764	109.63	ug/L	98
42) Toluene	7.64	91	292201	52.96	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	106507	49.01	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	68752	53.76	ug/L	99
46) Tetrachloroethene	8.23	164	49267	50.13	ug/L	98
48) 2-Hexanone	8.36	43	197905	107.43	ug/L	98
49) Dibromochloromethane	8.48	129	73498	55.11	ug/L	98
50) 1,2-Dibromoethane	8.59	107	70358	51.86	ug/L	99
51) Chlorobenzene	9.12	112	177221	50.81	ug/L	99
52) Ethylbenzene	9.25	91	313571	51.18	ug/L	99
53) m,p-Xylene	9.38	106	114828	51.21	ug/L	97
54) o-xylene	9.78	106	113107	52.36	ug/L	99
55) Styrene	9.79	104	197092	53.28	ug/L	99
56) Isopropylbenzene	10.17	105	295504	52.20	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	120399	53.73	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	98524	54.62	ug/L	99
61) Bromoform	9.96	173	51032	57.08	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	122294	49.94	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	128197	50.19	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	132700	53.23	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	25131	54.38	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	89411	47.26	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	77282	44.42	ug/L	99
69) Naphthalene	13.74	128	274828	51.22	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	86722	49.01	ug/L	98

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

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