

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026942.D
 Acq On : 20 Sep 2018 18:20
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Sep 21 06:40:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	276916	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	257336	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	133647	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87904	42.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.82%
7) Chloroethane-d5	1.67	69	73396	41.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.72%
11) 1,1-Dichloroethene-d2	2.27	63	165346	42.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.32%
21) 2-Butanone-d5	4.18	46	116805	85.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.93%
24) Chloroform-d	4.65	84	149758	39.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.82%
26) 1,2-Dichloroethane-d4	5.31	65	93491	39.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.14%
32) Benzene-d6	5.34	84	307223	42.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.33	67	97232	41.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.68%
41) Toluene-d8	7.57	98	283518	43.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.02%
43) trans-1,3-Dichloropropene-	7.85	79	43904	42.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.64%
47) 2-Hexanone-d5	8.31	63	89277	97.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.76%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	131920	40.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	118136	42.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	129045	49.309	ug/L 100
3) Chloromethane	1.32	50	143653	53.812	ug/L 100
5) Vinyl chloride	1.40	62	132246	50.904	ug/L 100
6) Bromomethane	1.61	94	73227	57.068	ug/L 98
8) Chloroethane	1.69	64	80841	49.656	ug/L 97
9) Trichlorofluoromethane	1.88	101	164089	50.835	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	97458	50.970	ug/L 99
12) 1,1-Dichloroethene	2.28	96	90716	50.517	ug/L 88
13) Acetone	2.32	43	103858	77.731	ug/L 97
14) Carbon disulfide	2.47	76	280499	45.264	ug/L 100
15) Methyl Acetate	2.61	43	113237	48.915	ug/L 99
16) Methylene chloride	2.70	84	106732	46.755	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	94144	47.601	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	303213	52.426	ug/L 99
19) 1,1-Dichloroethane	3.44	63	182697	47.893	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	107731	49.526	ug/L 94
22) 2-Butanone	4.26	43	153107	92.922	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	56025	47.702	ug/L	98
25) Chloroform	4.67	83	181513	46.979	ug/L	98
27) 1,2-Dichloroethane	5.40	62	137634	45.649	ug/L	100
29) Cyclohexane	5.00	56	164970	55.213	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	154846	50.579	ug/L	98
31) Carbon tetrachloride	5.13	117	136224	49.654	ug/L	98
33) Benzene	5.39	78	405085	50.773	ug/L	100
34) Trichloroethene	6.19	95	96677	50.497	ug/L	98
35) Methylcyclohexane	6.42	83	164643	52.756	ug/L	99
37) 1,2-Dichloropropane	6.43	63	110665	50.493	ug/L	100
38) Bromodichloromethane	6.76	83	135481	49.847	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	160007	51.683	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	279614	107.372	ug/L	98
42) Toluene	7.64	91	420648	52.100	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	145157	50.075	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	99846	49.969	ug/L	98
46) Tetrachloroethene	8.23	164	87037	51.283	ug/L	99
48) 2-Hexanone	8.36	43	218559	104.045	ug/L	99
49) Dibromochloromethane	8.48	129	112908	49.919	ug/L	99
50) 1,2-Dibromoethane	8.59	107	104274	50.057	ug/L #	97
51) Chlorobenzene	9.12	112	282829	51.626	ug/L	99
52) Ethylbenzene	9.25	91	454460	53.735	ug/L	99
53) m,p-Xylene	9.38	106	178912	55.029	ug/L	98
54) o-xylene	9.78	106	177683	56.090	ug/L	98
55) Styrene	9.79	104	299024	54.673	ug/L	100
56) Isopropylbenzene	10.17	105	455467	56.286	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	166137	49.434	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	129673	49.394	ug/L	100
61) Bromoform	9.96	173	86071	48.974	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	216359	53.105	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	233016	51.940	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	242529	53.762	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	32975	48.182	ug/L	87
67) 1,3,5-Trichlorobenzene	12.89	180	165840	52.602	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	144230	53.087	ug/L	99
69) Naphthalene	13.75	128	447987	55.971	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	160585	53.674	ug/L	99

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

