

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090418\
 Data File : VU026515.D
 Acq On : 04 Sep 2018 08:45
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Sep 05 00:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 01 06:27:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	182023	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	173473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88457	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69776	61.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.74%
7) Chloroethane-d5	1.68	69	58227	57.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.34%
11) 1,1-Dichloroethene-d2	2.27	63	134874	53.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.20%
21) 2-Butanone-d5	4.18	46	83746	95.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	4.65	84	108611	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
26) 1,2-Dichloroethane-d4	5.31	65	74652	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
32) Benzene-d6	5.34	84	228272	57.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.18%
36) 1,2-Dichloropropane-d6	6.33	67	76177	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.92%
41) Toluene-d8	7.57	98	218908	56.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.44%
43) trans-1,3-Dichloropropene-	7.85	79	36114	57.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.16%
47) 2-Hexanone-d5	8.31	63	67129	106.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	107312	53.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	89500	55.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.54%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	69957	49.29	ug/L	99
3) Chloromethane	1.33	50	81947	46.76	ug/L	100
5) Vinyl chloride	1.40	62	88257	46.45	ug/L	98
6) Bromomethane	1.62	94	53996	47.94	ug/L	99
8) Chloroethane	1.70	64	53219	46.65	ug/L	100
9) Trichlorofluoromethane	1.89	101	115464	47.79	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	68394	50.74	ug/L	99
12) 1,1-Dichloroethene	2.28	96	63026	48.51	ug/L	96
13) Acetone	2.32	43	95668	126.22	ug/L	99
14) Carbon disulfide	2.48	76	177701	48.33	ug/L	100
15) Methyl Acetate	2.61	43	68447	45.99	ug/L	98
16) Methylene chloride	2.70	84	66475	49.76	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	58212	49.53	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	187649	52.60	ug/L	99
19) 1,1-Dichloroethane	3.45	63	114907	49.76	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	67714	51.43	ug/L	98
22) 2-Butanone	4.26	43	109199	107.19	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35291	52.03	ug/L	87
25) Chloroform	4.67	83	124130	52.64	ug/L	96
27) 1,2-Dichloroethane	5.41	62	95471	50.20	ug/L	99
29) Cyclohexane	5.00	56	100911	53.39	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	98928	51.82	ug/L	99
31) Carbon tetrachloride	5.14	117	91370	52.68	ug/L	100
33) Benzene	5.39	78	258833	52.04	ug/L	100
34) Trichloroethene	6.19	95	64353	51.59	ug/L	99
35) Methylcyclohexane	6.42	83	110258	56.60	ug/L	98
37) 1,2-Dichloropropane	6.44	63	72557	52.70	ug/L	100
38) Bromodichloromethane	6.76	83	90413	51.50	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	106402	54.24	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	183652	98.91	ug/L	99
42) Toluene	7.64	91	276373	53.26	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	100472	53.73	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	63925	50.68	ug/L	99
46) Tetrachloroethene	8.23	164	56124	55.03	ug/L	98
48) 2-Hexanone	8.36	43	152542	104.31	ug/L	98
49) Dibromochloromethane	8.48	129	75652	53.23	ug/L	99
50) 1,2-Dibromoethane	8.59	107	68511	51.01	ug/L	97
51) Chlorobenzene	9.12	112	177326	51.10	ug/L	98
52) Ethylbenzene	9.25	91	297852	52.77	ug/L	99
53) m,p-Xylene	9.38	106	114698	54.43	ug/L	99
54) o-xylene	9.78	106	112485	54.73	ug/L	96
55) Styrene	9.79	104	194696	54.23	ug/L	98
56) Isopropylbenzene	10.17	105	294015	54.65	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	111177	50.04	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	83276	48.47	ug/L	98
61) Bromoform	9.96	173	59085	54.12	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	136943	52.91	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	141414	51.65	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	145365	53.24	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	22889	49.86	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	113143	54.16	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	99189	54.36	ug/L	99
69) Naphthalene	13.74	128	304899	53.52	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	106463	53.14	ug/L	99

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

