

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026302.D
 Acq On : 23 Aug 2018 16:37
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Aug 24 01:17:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 01:14:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	306249	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	302630	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162646	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	74085	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.32%
7) Chloroethane-d5	1.68	69	67718	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.92%
11) 1,1-Dichloroethene-d2	2.27	63	167364	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.18%
21) 2-Butanone-d5	4.18	46	160954	107.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.96%
24) Chloroform-d	4.65	84	208276	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	5.31	65	130406	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.26%
32) Benzene-d6	5.34	84	383639	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.76%
36) 1,2-Dichloropropane-d6	6.34	67	125894	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.86%
41) Toluene-d8	7.57	98	365032	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%
43) trans-1,3-Dichloropropene-	7.85	79	63621	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.31	63	116027	104.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.43%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	192957	50.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	163216	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	129281	53.76	ug/L	99
3) Chloromethane	1.33	50	121303	54.71	ug/L	98
5) Vinyl chloride	1.40	62	119247	53.38	ug/L	97
6) Bromomethane	1.63	94	69154	49.79	ug/L	100
8) Chloroethane	1.70	64	71160	55.55	ug/L	98
9) Trichlorofluoromethane	1.89	101	175685	55.53	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97001	55.25	ug/L	99
12) 1,1-Dichloroethene	2.28	96	89166	55.32	ug/L	92
13) Acetone	2.32	43	115693	100.27	ug/L	99
14) Carbon disulfide	2.48	76	325084	52.57	ug/L	100
15) Methyl Acetate	2.62	43	127353	57.35	ug/L	99
16) Methylene chloride	2.70	84	120992	55.78	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	107946	54.33	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	333184	55.98	ug/L	99
19) 1,1-Dichloroethane	3.45	63	206443	57.06	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	120810	55.09	ug/L	96
22) 2-Butanone	4.27	43	171049	110.81	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65794	56.10	ug/L	96
25) Chloroform	4.68	83	217983	56.44	ug/L	100
27) 1,2-Dichloroethane	5.41	62	174139	56.60	ug/L	99
29) Cyclohexane	5.00	56	171064	55.12	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	192835	54.84	ug/L	99
31) Carbon tetrachloride	5.14	117	178502	54.00	ug/L	100
33) Benzene	5.39	78	454612	55.10	ug/L	100
34) Trichloroethene	6.19	95	117820	54.00	ug/L	99
35) Methylcyclohexane	6.42	83	185650	55.65	ug/L	100
37) 1,2-Dichloropropane	6.44	63	126261	56.00	ug/L	98
38) Bromodichloromethane	6.76	83	166109	55.09	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	186925	54.58	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	326070	114.10	ug/L	99
42) Toluene	7.64	91	492871	56.14	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	181098	54.95	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	116402	54.65	ug/L	96
46) Tetrachloroethene	8.23	164	101482	54.06	ug/L	98
48) 2-Hexanone	8.36	43	259271	112.74	ug/L	99
49) Dibromochloromethane	8.48	129	145027	55.40	ug/L	99
50) 1,2-Dibromoethane	8.59	107	128683	54.74	ug/L	97
51) Chlorobenzene	9.12	112	324997	54.13	ug/L	99
52) Ethylbenzene	9.25	91	538357	56.30	ug/L	99
53) m,p-Xylene	9.38	106	210977	57.09	ug/L	97
54) o-xylene	9.78	106	206340	57.24	ug/L	98
55) Styrene	9.80	104	360301	58.55	ug/L	98
56) Isopropylbenzene	10.17	105	533756	57.08	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	203231	56.37	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	155475	55.31	ug/L	99
61) Bromoform	9.96	173	109647	54.42	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	255631	53.32	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	270027	53.30	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	277453	55.02	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	46421	55.10	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	203810	54.15	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	174609	53.15	ug/L	99
69) Naphthalene	13.74	128	552700	56.47	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	194202	55.48	ug/L	98

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

