

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082718\
 Data File : VU026387.D
 Acq On : 27 Aug 2018 10:12
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Aug 27 10:41:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 22 14:14:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	331647	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	324726	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	175151	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99897	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.76%
7) Chloroethane-d5	1.68	69	83565	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.32%
11) 1,1-Dichloroethene-d2	2.27	63	202290	50.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.76%
21) 2-Butanone-d5	4.18	46	147430	91.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.32%
24) Chloroform-d	4.65	84	219274	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.26%
26) 1,2-Dichloroethane-d4	5.31	65	142416	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
32) Benzene-d6	5.34	84	427567	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.33	67	134282	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.57	98	411412	49.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.10%
43) trans-1,3-Dichloropropene-	7.85	79	70485	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.82%
47) 2-Hexanone-d5	8.31	63	113870	95.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	192407	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	179981	48.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.86%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	121395	46.62	ug/L	97
3) Chloromethane	1.33	50	112723	46.95	ug/L	99
5) Vinyl chloride	1.40	62	113738	47.02	ug/L	99
6) Bromomethane	1.63	94	68580	45.60	ug/L	96
8) Chloroethane	1.70	64	65320	47.09	ug/L	94
9) Trichlorofluoromethane	1.89	101	171770	50.13	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	101446	53.36	ug/L	97
12) 1,1-Dichloroethene	2.28	96	90768	52.00	ug/L	90
13) Acetone	2.32	43	157405	125.98	ug/L	100
14) Carbon disulfide	2.48	76	295742	44.16	ug/L	98
15) Methyl Acetate	2.62	43	107099	44.54	ug/L	98
16) Methylene chloride	2.70	84	110273	46.94	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	101518	47.18	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	306453	47.55	ug/L	99
19) 1,1-Dichloroethane	3.45	63	187612	47.88	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	114314	48.13	ug/L	99
22) 2-Butanone	4.26	43	173181	103.60	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	63786	50.26	ug/L	93
25) Chloroform	4.68	83	207969	49.72	ug/L	100
27) 1,2-Dichloroethane	5.41	62	158160	47.47	ug/L	98
29) Cyclohexane	5.00	56	152410	45.77	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	182035	48.25	ug/L	99
31) Carbon tetrachloride	5.14	117	168890	47.61	ug/L	97
33) Benzene	5.39	78	419486	47.38	ug/L	100
34) Trichloroethene	6.19	95	111733	47.73	ug/L	98
35) Methylcyclohexane	6.42	83	174291	48.69	ug/L	98
37) 1,2-Dichloropropane	6.44	63	115117	47.58	ug/L	100
38) Bromodichloromethane	6.76	83	155153	47.96	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	171821	46.75	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	267629	87.28	ug/L	99
42) Toluene	7.64	91	456620	48.48	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	171964	48.63	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	110373	48.29	ug/L	99
46) Tetrachloroethene	8.23	164	96823	48.07	ug/L	97
48) 2-Hexanone	8.36	43	232062	94.04	ug/L	99
49) Dibromochloromethane	8.48	129	138425	49.28	ug/L	99
50) 1,2-Dibromoethane	8.59	107	117029	46.39	ug/L	99
51) Chlorobenzene	9.12	112	305673	47.45	ug/L	99
52) Ethylbenzene	9.25	91	496734	48.41	ug/L	99
53) m,p-Xylene	9.38	106	197749	49.87	ug/L	100
54) o-xylene	9.78	106	185667	48.00	ug/L	97
55) Styrene	9.80	104	338672	51.29	ug/L	97
56) Isopropylbenzene	10.17	105	499350	49.76	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	178548	46.16	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	135846	45.04	ug/L	98
61) Bromoform	9.96	173	103249	47.59	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	249340	48.29	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	261396	47.91	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	262966	48.42	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	38567	42.51	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	205484	50.70	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	176879	50.00	ug/L	99
69) Naphthalene	13.74	128	510241	48.41	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	187687	49.79	ug/L	99

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

