

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\
 Data File : VU026385.D
 Acq On : 25 Aug 2018 20:40
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Aug 27 01:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337511	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	330349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180754	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103910	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.96%
7) Chloroethane-d5	1.68	69	84017	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.10%
11) 1,1-Dichloroethene-d2	2.27	63	196769	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	4.18	46	149479	90.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.98%
24) Chloroform-d	4.65	84	223367	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	141616	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.35	84	427718	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.33	67	134596	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.86%
41) Toluene-d8	7.57	98	412617	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%
43) trans-1,3-Dichloropropene-	7.85	79	66450	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
47) 2-Hexanone-d5	8.31	63	118138	97.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	193529	46.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	173202	45.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.32%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	116922	44.12	ug/L	99
3) Chloromethane	1.33	50	111272	45.54	ug/L	98
5) Vinyl chloride	1.40	62	113318	46.03	ug/L	98
6) Bromomethane	1.63	94	61983	40.49	ug/L	98
8) Chloroethane	1.70	64	66017	46.76	ug/L	99
9) Trichlorofluoromethane	1.89	101	163890	47.00	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90500	46.78	ug/L	98
12) 1,1-Dichloroethene	2.28	96	83443	46.97	ug/L	99
13) Acetone	2.32	43	93245	73.33	ug/L	99
14) Carbon disulfide	2.48	76	291619	42.79	ug/L	100
15) Methyl Acetate	2.62	43	109976	44.94	ug/L	100
16) Methylene chloride	2.70	84	110101	46.06	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	97862	44.69	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	298999	45.58	ug/L	100
19) 1,1-Dichloroethane	3.45	63	184541	46.28	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	115118	47.63	ug/L	94
22) 2-Butanone	4.27	43	144844	85.14	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61265	47.40	ug/L	96
25) Chloroform	4.68	83	198547	46.64	ug/L	96
27) 1,2-Dichloroethane	5.41	62	157549	46.46	ug/L	100
29) Cyclohexane	5.00	56	143948	42.49	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	180248	46.96	ug/L	98
31) Carbon tetrachloride	5.14	117	165009	45.73	ug/L	100
33) Benzene	5.39	78	416888	46.29	ug/L	100
34) Trichloroethene	6.19	95	109097	45.81	ug/L	99
35) Methylcyclohexane	6.42	83	162896	44.73	ug/L	98
37) 1,2-Dichloropropane	6.44	63	112490	45.70	ug/L	98
38) Bromodichloromethane	6.76	83	151888	46.15	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	165591	44.29	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	270354	86.67	ug/L	99
42) Toluene	7.64	91	451463	47.11	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	160617	44.65	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	109053	46.90	ug/L	99
46) Tetrachloroethene	8.23	164	93234	45.50	ug/L	98
48) 2-Hexanone	8.36	43	214670	85.51	ug/L	97
49) Dibromochloromethane	8.48	129	131528	46.03	ug/L	99
50) 1,2-Dibromoethane	8.59	107	119148	46.43	ug/L	99
51) Chlorobenzene	9.12	112	297709	45.42	ug/L	98
52) Ethylbenzene	9.25	91	483257	46.30	ug/L	100
53) m,p-Xylene	9.38	106	189407	46.95	ug/L	95
54) o-xylene	9.78	106	184095	46.78	ug/L	99
55) Styrene	9.80	104	324899	48.37	ug/L	98
56) Isopropylbenzene	10.17	105	478395	46.86	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179790	45.69	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	137882	44.94	ug/L	98
61) Bromoform	9.96	173	100484	44.88	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	234327	43.98	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	248582	44.15	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	253155	45.17	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	38979	41.63	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	187478	44.82	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	164231	44.98	ug/L	100
69) Naphthalene	13.74	128	500974	46.06	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181439	46.64	ug/L	98

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

