

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091918\
 Data File : VU026890.D
 Acq On : 19 Sep 2018 10:37
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Sep 20 02:26:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 07:38:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	226264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220649	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62008	37.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.10%
7) Chloroethane-d5	1.68	69	59473	41.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.02%
11) 1,1-Dichloroethene-d2	2.28	63	133952	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.60%
21) 2-Butanone-d5	4.18	46	118618	106.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.79%
24) Chloroform-d	4.65	84	154415	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.31	65	96913	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.34	84	279770	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
36) 1,2-Dichloropropane-d6	6.33	67	98705	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.57	98	248618	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.85	79	42835	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
47) 2-Hexanone-d5	8.31	63	85393	109.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145705	52.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	114450	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	112139	52.441	ug/L 100
3) Chloromethane	1.33	50	111877	51.291	ug/L 98
5) Vinyl chloride	1.40	62	110019	51.829	ug/L 99
6) Bromomethane	1.63	94	46647	44.492	ug/L 100
8) Chloroethane	1.70	64	68888	51.786	ug/L 97
9) Trichlorofluoromethane	1.89	101	142892	54.179	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	85865	54.960	ug/L 100
12) 1,1-Dichloroethene	2.29	96	77176	52.598	ug/L 83
13) Acetone	2.32	43	131351	120.315	ug/L 100
14) Carbon disulfide	2.48	76	254878	50.337	ug/L 99
15) Methyl Acetate	2.61	43	96951	51.255	ug/L 98
16) Methylene chloride	2.70	84	96732	51.860	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	83915	51.927	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	250623	53.034	ug/L 100
19) 1,1-Dichloroethane	3.45	63	164048	52.632	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	91838	51.671	ug/L 99
22) 2-Butanone	4.26	43	148296	110.150	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	50208	52.319	ug/L	97
25) Chloroform	4.67	83	164197	52.011	ug/L	99
27) 1,2-Dichloroethane	5.40	62	128898	52.322	ug/L	99
29) Cyclohexane	5.00	56	139556	54.473	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	136959	52.175	ug/L	99
31) Carbon tetrachloride	5.14	117	124101	52.757	ug/L	100
33) Benzene	5.39	78	363543	53.142	ug/L	100
34) Trichloroethene	6.19	95	85687	52.198	ug/L	99
35) Methylcyclohexane	6.42	83	148519	55.502	ug/L	98
37) 1,2-Dichloropropane	6.43	63	98794	52.572	ug/L	99
38) Bromodichloromethane	6.76	83	121262	52.033	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	137816	51.917	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	233051	104.371	ug/L	100
42) Toluene	7.64	91	376561	54.394	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	130366	52.450	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	88237	51.502	ug/L	99
46) Tetrachloroethene	8.23	164	78306	53.810	ug/L	99
48) 2-Hexanone	8.36	43	199747	110.900	ug/L	100
49) Dibromochloromethane	8.48	129	99853	51.487	ug/L	98
50) 1,2-Dibromoethane	8.59	107	91868	51.434	ug/L	99
51) Chlorobenzene	9.12	112	244814	52.117	ug/L	98
52) Ethylbenzene	9.25	91	397106	54.761	ug/L	100
53) m,p-Xylene	9.38	106	156765	56.234	ug/L	100
54) o-xylene	9.78	106	152863	56.278	ug/L	99
55) Styrene	9.79	104	269546	57.478	ug/L	100
56) Isopropylbenzene	10.17	105	394402	56.844	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	145684	50.555	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	112458	49.959	ug/L	98
61) Bromoform	9.96	173	74501	48.710	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	185070	52.197	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	202623	51.899	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	205062	52.233	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	27401	46.006	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	152186	55.467	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	129875	54.930	ug/L	99
69) Naphthalene	13.75	128	382628	54.932	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	147977	56.834	ug/L	99

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

