

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
 Data File : VU028426.D
 Acq On : 30 Nov 2018 16:20
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Dec 01 04:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 23:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	542339	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	512605	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	247658	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	233479	48.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.24%
7) Chloroethane-d5	1.68	69	185515	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.27	63	427221	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
21) 2-Butanone-d5	4.17	46	393298	98.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.76%
24) Chloroform-d	4.65	84	387849	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
26) 1,2-Dichloroethane-d4	5.31	65	253305	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
32) Benzene-d6	5.34	84	803764	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
36) 1,2-Dichloropropane-d6	6.33	67	288761	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	7.56	98	713126	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
43) trans-1,3-Dichloropropene-	7.85	79	126779	48.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.52%
47) 2-Hexanone-d5	8.31	63	279443	100.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	362447	49.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	248545	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	236924	48.857	ug/L 99
3) Chloromethane	1.33	50	343419	49.013	ug/L 99
5) Vinyl chloride	1.40	62	288853	48.201	ug/L 99
6) Bromomethane	1.63	94	92273	54.702	ug/L 100
8) Chloroethane	1.70	64	163525	48.606	ug/L 100
9) Trichlorofluoromethane	1.89	101	301235	49.357	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	181261	51.162	ug/L 98
12) 1,1-Dichloroethene	2.28	96	176735	51.640	ug/L 89
13) Acetone	2.32	43	288735	69.698	ug/L 98
14) Carbon disulfide	2.48	76	625739	48.292	ug/L 100
15) Methyl Acetate	2.61	43	293504	47.888	ug/L 100
16) Methylene chloride	2.70	84	217750	49.148	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	194336	50.104	ug/L 100
18) Methyl tert-butyl Ether	3.00	73	664861	49.329	ug/L 99
19) 1,1-Dichloroethane	3.45	63	407542	48.642	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	219441	49.192	ug/L 99
22) 2-Butanone	4.26	43	430337	82.980	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	97054	49.732	ug/L	95
25) Chloroform	4.67	83	370485	48.295	ug/L	98
27) 1,2-Dichloroethane	5.40	62	308272	48.543	ug/L	99
29) Cyclohexane	5.00	56	416333	50.045	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	298206	49.147	ug/L	100
31) Carbon tetrachloride	5.13	117	236308	48.354	ug/L	99
33) Benzene	5.39	78	873450	49.604	ug/L	100
34) Trichloroethene	6.19	95	211714	50.284	ug/L	98
35) Methylcyclohexane	6.41	83	367924	50.200	ug/L	99
37) 1,2-Dichloropropane	6.43	63	253205	48.498	ug/L	100
38) Bromodichloromethane	6.76	83	272191	46.985	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	365338	49.283	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	791111	95.814	ug/L	100
42) Toluene	7.64	91	889248	49.623	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	331119	48.747	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	204678	50.413	ug/L	99
46) Tetrachloroethene	8.22	164	146872	49.605	ug/L	95
48) 2-Hexanone	8.36	43	615943	88.790	ug/L	99
49) Dibromochloromethane	8.48	129	191964	46.223	ug/L	97
50) 1,2-Dibromoethane	8.58	107	211827	48.539	ug/L	97
51) Chlorobenzene	9.12	112	532385	49.803	ug/L	99
52) Ethylbenzene	9.25	91	991229	50.074	ug/L	99
53) m,p-Xylene	9.37	106	358655	50.799	ug/L	95
54) o-xylene	9.78	106	349607	49.993	ug/L	97
55) Styrene	9.79	104	596060	49.749	ug/L	99
56) Isopropylbenzene	10.16	105	921382	49.944	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	362858	47.911	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	286440	48.333	ug/L	100
61) Bromoform	9.96	173	137585	45.163	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	401877	49.788	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	402556	49.524	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	394538	49.244	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	75616	46.849	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	301723	50.812	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	283085	51.187	ug/L	98
69) Naphthalene	13.74	128	957992	49.678	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	280641	50.378	ug/L	99

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

