

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121218\
 Data File : VU028606.D
 Acq On : 11 Dec 2018 14:41
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Dec 12 05:47:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 05:44:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	149339	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	142393	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69033	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58528	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.94%
7) Chloroethane-d5	1.67	69	47532	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.94%
11) 1,1-Dichloroethene-d2	2.27	63	108433	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.18%
21) 2-Butanone-d5	4.17	46	114713	102.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.42%
24) Chloroform-d	4.64	84	105599	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
26) 1,2-Dichloroethane-d4	5.31	65	69637	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
32) Benzene-d6	5.34	84	212422	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.33	67	78123	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.56	98	190924	47.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.06%
43) trans-1,3-Dichloropropene-	7.85	79	35974	49.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.38%
47) 2-Hexanone-d5	8.31	63	79926	103.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106678	51.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	72647	51.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	60796	48.879	ug/L 98
3) Chloromethane	1.33	50	92449	48.339	ug/L 99
5) Vinyl chloride	1.40	62	79966	48.306	ug/L 99
6) Bromomethane	1.61	94	25994	52.317	ug/L 93
8) Chloroethane	1.69	64	45396	47.855	ug/L 99
9) Trichlorofluoromethane	1.88	101	85390	49.399	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	50625	48.766	ug/L 99
12) 1,1-Dichloroethene	2.28	96	47252	48.031	ug/L 81
13) Acetone	2.32	43	107076	85.509	ug/L 99
14) Carbon disulfide	2.48	76	166002	45.485	ug/L 99
15) Methyl Acetate	2.61	43	86038	49.302	ug/L 99
16) Methylene chloride	2.70	84	62084	48.270	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	54526	47.800	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	190598	49.599	ug/L 99
19) 1,1-Dichloroethane	3.44	63	119751	49.522	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	63312	48.936	ug/L 96
22) 2-Butanone	4.26	43	138394	93.617	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	29097	50.366	ug/L	96
25) Chloroform	4.67	83	109168	49.024	ug/L	100
27) 1,2-Dichloroethane	5.40	62	90155	48.980	ug/L	99
29) Cyclohexane	4.99	56	116568	49.465	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	85884	48.583	ug/L	99
31) Carbon tetrachloride	5.13	117	69246	48.418	ug/L	99
33) Benzene	5.39	78	252303	49.674	ug/L	100
34) Trichloroethene	6.18	95	60358	48.925	ug/L	98
35) Methylcyclohexane	6.41	83	103771	49.892	ug/L	99
37) 1,2-Dichloropropane	6.43	63	76651	50.483	ug/L	100
38) Bromodichloromethane	6.76	83	83257	49.861	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	108090	50.159	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	231090	99.949	ug/L	99
42) Toluene	7.64	91	254609	49.344	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	97503	49.055	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	60888	51.175	ug/L	97
46) Tetrachloroethene	8.22	164	42535	48.727	ug/L	98
48) 2-Hexanone	8.36	43	191697	97.985	ug/L	99
49) Dibromochloromethane	8.48	129	60331	50.126	ug/L	99
50) 1,2-Dibromoethane	8.58	107	62259	49.894	ug/L	97
51) Chlorobenzene	9.12	112	153398	49.349	ug/L	99
52) Ethylbenzene	9.25	91	282090	49.383	ug/L	100
53) m,p-Xylene	9.37	106	100334	48.520	ug/L	100
54) o-xylene	9.78	106	102157	50.310	ug/L	97
55) Styrene	9.79	104	173765	50.400	ug/L	99
56) Isopropylbenzene	10.16	105	268786	50.782	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	109699	50.197	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	86009	50.134	ug/L	99
61) Bromoform	9.96	173	44022	49.833	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	113298	48.088	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	114078	47.847	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	117116	49.751	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	22757	49.099	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	85830	50.163	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	75289	46.912	ug/L	98
69) Naphthalene	13.74	128	257232	48.291	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	76891	47.963	ug/L	99

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

