

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030519\
 Data File : VU029821.D
 Acq On : 05 Mar 2019 14:36
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Mar 06 00:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 06 00:41:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	510177	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	502992	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	273056	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	162779	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.08%
7) Chloroethane-d5	1.68	69	133181	40.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.14%
11) 1,1-Dichloroethene-d2	2.27	63	291638	39.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.82%
21) 2-Butanone-d5	4.17	46	238060	104.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.64%
24) Chloroform-d	4.64	84	289062	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.31	65	177053	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
32) Benzene-d6	5.34	84	629482	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.33	67	190723	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.18%
41) Toluene-d8	7.56	98	607144	47.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.02%
43) trans-1,3-Dichloropropene-	7.85	79	91864	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.96%
47) 2-Hexanone-d5	8.31	63	210389	99.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302269	46.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	265342	45.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	161831	46.262	ug/L 100
3) Chloromethane	1.33	50	157455	51.309	ug/L 98
5) Vinyl chloride	1.40	62	181640	43.583	ug/L 100
6) Bromomethane	1.62	94	109405	57.519	ug/L 98
8) Chloroethane	1.69	64	112824	40.701	ug/L 97
9) Trichlorofluoromethane	1.88	101	253051	38.089	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	157071	44.199	ug/L 99
12) 1,1-Dichloroethene	2.28	96	145584	43.092	ug/L 88
13) Acetone	2.32	43	162728	66.938	ug/L 97
14) Carbon disulfide	2.47	76	423306	47.841	ug/L 99
15) Methyl Acetate	2.61	43	170514	54.039	ug/L 99
16) Methylene chloride	2.70	84	169570	51.870	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	155027	49.716	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	476920	49.401	ug/L 98
19) 1,1-Dichloroethane	3.44	63	276498	51.280	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	181822	50.181	ug/L 98
22) 2-Butanone	4.26	43	249515	89.935	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	96760	48.714	ug/L	96
25) Chloroform	4.67	83	305136	50.721	ug/L	100
27) 1,2-Dichloroethane	5.40	62	213278	46.111	ug/L	98
29) Cyclohexane	4.99	56	239886	48.192	ug/L	96
30) 1,1,1-Trichloroethane	4.91	97	248954	46.680	ug/L	99
31) Carbon tetrachloride	5.13	117	216993	44.953	ug/L	98
33) Benzene	5.39	78	647208	50.187	ug/L	100
34) Trichloroethene	6.18	95	169728	48.856	ug/L	96
35) Methylcyclohexane	6.41	83	276224	47.878	ug/L	98
37) 1,2-Dichloropropane	6.43	63	171016	50.518	ug/L	100
38) Bromodichloromethane	6.75	83	217589	47.677	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	269269	49.301	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	459853	96.600	ug/L	98
42) Toluene	7.63	91	726187	47.617	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	241411	46.900	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	176224	48.839	ug/L	98
46) Tetrachloroethene	8.22	164	153389	45.110	ug/L	99
48) 2-Hexanone	8.36	43	365007	87.772	ug/L	97
49) Dibromochloromethane	8.47	129	197558	45.163	ug/L	99
50) 1,2-Dibromoethane	8.58	107	192598	48.177	ug/L	97
51) Chlorobenzene	9.12	112	486620	46.489	ug/L	98
52) Ethylbenzene	9.25	91	805967	46.532	ug/L	100
53) m,p-Xylene	9.37	106	318536	45.814	ug/L	99
54) o-xylene	9.77	106	315468	45.170	ug/L	99
55) Styrene	9.79	104	541482	45.928	ug/L	94
56) Isopropylbenzene	10.16	105	822846	45.025	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	304455	47.716	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	228941	47.432	ug/L	99
61) Bromoform	9.95	173	157303	42.778	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	403927	46.396	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	407979	46.566	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	411910	45.325	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	66872	47.286	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	311212	46.843	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	283338	49.309	ug/L	99
69) Naphthalene	13.74	128	862306	48.822	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	288662	47.305	ug/L	100

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

