

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
 Data File : VU029669.D
 Acq On : 25 Feb 2019 19:33
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Feb 26 00:18:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 00:12:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479185	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	485055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	262340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170087	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.88%
7) Chloroethane-d5	1.68	69	146637	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.96%
11) 1,1-Dichloroethene-d2	2.27	63	311197	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
21) 2-Butanone-d5	4.17	46	248086	116.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.10%
24) Chloroform-d	4.64	84	312411	54.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.72%
26) 1,2-Dichloroethane-d4	5.31	65	190698	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
32) Benzene-d6	5.34	84	664088	54.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.82%
36) 1,2-Dichloropropane-d6	6.33	67	198775	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.26%
41) Toluene-d8	7.56	98	651163	52.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.56%
43) trans-1,3-Dichloropropene-	7.85	79	96202	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.31	63	194562	95.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315307	50.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.64%
64) 1,2-Dichlorobenzene-d4	11.85	152	282469	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	167864	51.091	ug/L 98
3) Chloromethane	1.32	50	156942	54.449	ug/L 98
5) Vinyl chloride	1.40	62	199783	51.037	ug/L 99
6) Bromomethane	1.62	94	109696	61.402	ug/L 98
8) Chloroethane	1.69	64	124682	47.888	ug/L 99
9) Trichlorofluoromethane	1.88	101	277888	44.533	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	154442	46.270	ug/L 98
12) 1,1-Dichloroethene	2.28	96	150733	47.501	ug/L 97
13) Acetone	2.32	43	168516	73.802	ug/L 99
14) Carbon disulfide	2.48	76	452983	54.506	ug/L 100
15) Methyl Acetate	2.61	43	183403	61.883	ug/L 99
16) Methylene chloride	2.70	84	176415	57.454	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	164326	56.106	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	509547	56.194	ug/L 99
19) 1,1-Dichloroethane	3.44	63	290064	57.275	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	191295	56.210	ug/L 99
22) 2-Butanone	4.26	43	261448	100.331	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	101703	54.515	uq/L	97
25) Chloroform	4.67	83	311490	55.126	uq/L	98
27) 1,2-Dichloroethane	5.40	62	233508	53.750	uq/L	99
29) Cyclohexane	4.99	56	253323	52.774	uq/L	98
30) 1,1,1-Trichloroethane	4.91	97	267808	52.072	uq/L	100
31) Carbon tetrachloride	5.13	117	232539	49.955	uq/L	100
33) Benzene	5.39	78	680640	54.731	uq/L	100
34) Trichloroethene	6.18	95	179154	53.477	uq/L	98
35) Methylcyclohexane	6.41	83	282210	50.724	uq/L	99
37) 1,2-Dichloropropane	6.43	63	180066	55.158	uq/L	99
38) Bromodichloromethane	6.76	83	231490	52.599	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	280547	53.265	uq/L	98
40) 4-Methyl-2-pentanone	7.46	43	499666	108.845	uq/L	98
42) Toluene	7.63	91	767851	52.211	uq/L	100
44) trans-1,3-Dichloropropene	7.88	75	253842	51.139	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	183493	52.734	uq/L	98
46) Tetrachloroethene	8.22	164	161821	49.350	uq/L	99
48) 2-Hexanone	8.36	43	401394	100.091	uq/L	98
49) Dibromochloromethane	8.47	129	212950	50.482	uq/L	99
50) 1,2-Dibromoethane	8.58	107	202412	52.505	uq/L	99
51) Chlorobenzene	9.12	112	520574	51.572	uq/L	98
52) Ethylbenzene	9.25	91	847757	50.755	uq/L	100
53) m,p-Xylene	9.37	106	333981	49.812	uq/L	99
54) o-xylene	9.78	106	339403	50.395	uq/L	100
55) Styrene	9.79	104	574327	50.516	uq/L	99
56) Isopropylbenzene	10.16	105	875955	49.704	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	320340	52.062	uq/L	100
59) 1,2,3-Trichloropropane	10.49	75	243538	52.322	uq/L	99
61) Bromoform	9.95	173	171250	48.474	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	424079	50.700	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	432336	51.362	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	439049	50.285	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	71898	52.916	uq/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	326562	51.162	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	294787	53.397	uq/L	100
69) Naphthalene	13.74	128	951297	56.061	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	308624	52.643	uq/L	100

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

