

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091619\
 Data File : VU034580.D
 Acq On : 16 Sep 2019 21:16
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Quant Time: Sep 17 03:00:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 17 02:36:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294975	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	273310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	125732	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71215	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.08%
7) Chloroethane-d5	1.67	69	58762	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.38%
11) 1,1-Dichloroethene-d2	2.26	63	151679	52.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.18%
21) 2-Butanone-d5	4.15	46	190904	118.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.96%
24) Chloroform-d	4.62	84	174422	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.96%
26) 1,2-Dichloroethane-d4	5.29	65	105535	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.06%
32) Benzene-d6	5.32	84	321364	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
36) 1,2-Dichloropropane-d6	6.31	67	120335	53.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.58%
41) Toluene-d8	7.54	98	309543	53.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.10%
43) trans-1,3-Dichloropropene-	7.83	79	56480	52.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.86%
47) 2-Hexanone-d5	8.29	63	138851	114.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186625	53.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.78%
64) 1,2-Dichlorobenzene-d4	11.84	152	118944	53.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	99116	54.538	ug/L 99
3) Chloromethane	1.32	50	98899	53.322	ug/L 100
5) Vinyl chloride	1.40	62	101153	55.551	ug/L 97
6) Bromomethane	1.62	94	53225	55.915	ug/L 98
8) Chloroethane	1.69	64	60161	57.661	ug/L 98
9) Trichlorofluoromethane	1.87	101	141106	54.763	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	82605	53.802	ug/L 95
12) 1,1-Dichloroethene	2.27	96	74423	53.084	ug/L 95
13) Acetone	2.31	43	128513	89.114	ug/L 99
14) Carbon disulfide	2.46	76	180518	52.449	ug/L 99
15) Methyl Acetate	2.60	43	137769	58.369	ug/L 98
16) Methylene chloride	2.68	84	99545	53.725	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	79582	53.039	ug/L 93
18) Methyl tert-butyl Ether	2.98	73	341147	54.917	ug/L 99
19) 1,1-Dichloroethane	3.42	63	185856	55.019	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	103412	53.218	ug/L 98
22) 2-Butanone	4.23	43	209100	113.977	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	47948	52.265	ug/L	96
25) Chloroform	4.65	83	188124	53.252	ug/L	100
27) 1,2-Dichloroethane	5.38	62	148052	59.189	ug/L	97
29) Cyclohexane	4.97	56	148314	55.664	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	153244	56.111	ug/L	99
31) Carbon tetrachloride	5.11	117	127579	55.333	ug/L	100
33) Benzene	5.37	78	387039	55.827	ug/L	100
34) Trichloroethene	6.16	95	95299	55.183	ug/L	93
35) Methylcyclohexane	6.39	83	142161	54.299	ug/L	98
37) 1,2-Dichloropropane	6.41	63	118704	56.413	ug/L	100
38) Bromodichloromethane	6.73	83	153688	55.871	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	181682	57.470	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	430553	117.632	ug/L	98
42) Toluene	7.61	91	421090	56.333	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	160787	55.466	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	107816	56.147	ug/L	96
46) Tetrachloroethene	8.21	164	59778	52.147	ug/L	99
48) 2-Hexanone	8.34	43	318300	115.756	ug/L	98
49) Dibromochloromethane	8.45	129	119077	54.754	ug/L	100
50) 1,2-Dibromoethane	8.56	107	109993	54.803	ug/L	98
51) Chlorobenzene	9.10	112	263420	53.941	ug/L	98
52) Ethylbenzene	9.23	91	474643	54.881	ug/L	100
53) m,p-Xylene	9.35	106	166666	53.601	ug/L	98
54) o-xylene	9.76	106	175527	55.642	ug/L	96
55) Styrene	9.77	104	301007	55.437	ug/L	99
56) Isopropylbenzene	10.14	105	467978	55.156	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	212072	55.537	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	160091	55.700	ug/L	100
61) Bromoform	9.94	173	80838	52.211	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	194093	53.384	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	190559	51.905	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	200366	54.633	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	48084	57.871	ug/L	90
67) 1,3,5-Trichlorobenzene	12.86	180	122597	51.735	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	106276	52.499	ug/L	99
69) Naphthalene	13.72	128	439360	58.745	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	107173	51.714	ug/L	99

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

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