

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035516.D
 Acq On : 26 Oct 2019 14:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Oct 30 01:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 02:21:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	648337	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	629075	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	273904	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	237272	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.93	69	198879	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.66%
11) 1,1-Dichloroethene-d2	2.60	63	411462	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
21) 2-Butanone-d5	4.69	46	329951	97.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.81%
24) Chloroform-d	5.11	84	402210	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	5.75	65	253357	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
32) Benzene-d6	5.77	84	829461	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.73	67	270464	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.64%
41) Toluene-d8	7.93	98	762640	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%
43) trans-1,3-Dichloropropene-	8.21	79	129936	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
47) 2-Hexanone-d5	8.68	63	213560	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	367197	47.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.14%
64) 1,2-Dichlorobenzene-d4	12.22	152	253521	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	269692	48.380	ug/L	99
3) Chloromethane	1.54	50	296688	49.871	ug/L	99
5) Vinyl chloride	1.62	62	316394	49.000	ug/L	100
6) Bromomethane	1.87	94	155380	52.810	ug/L	99
8) Chloroethane	1.95	64	186579	48.938	ug/L	100
9) Trichlorofluoromethane	2.16	101	356555	48.149	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	207927	47.858	ug/L	100
12) 1,1-Dichloroethene	2.61	96	204919	49.924	ug/L	97
13) Acetone	2.67	43	303155	89.690	ug/L	99
14) Carbon disulfide	2.83	76	654389	49.075	ug/L	100
15) Methyl Acetate	2.99	43	274832	49.475	ug/L	99
16) Methylene chloride	3.09	84	250974	49.157	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	221762	50.546	ug/L	98
18) Methyl tert-butyl Ether	3.42	73	710643	51.983	ug/L	99
19) 1,1-Dichloroethane	3.92	63	439630	48.899	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	250102	50.702	ug/L	99
22) 2-Butanone	4.77	43	418990	99.062	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	124783	49.638	ug/L	99
25) Chloroform	5.14	83	432502	48.769	ug/L	100
27) 1,2-Dichloroethane	5.84	62	332853	48.744	ug/L	100
29) Cyclohexane	5.43	56	376729	52.864	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	350488	50.066	ug/L	100
31) Carbon tetrachloride	5.57	117	311290	50.609	ug/L	98
33) Benzene	5.82	78	972592	51.262	ug/L	100
34) Trichloroethene	6.58	95	232020	49.804	ug/L	99
35) Methylcyclohexane	6.80	83	337827	52.128	ug/L	98
37) 1,2-Dichloropropane	6.84	63	260602	50.250	ug/L	100
38) Bromodichloromethane	7.15	83	324012	50.225	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	406627	52.989	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	734445	103.842	ug/L	100
42) Toluene	8.01	91	1020750	52.165	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	366776	52.385	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	234127	49.363	ug/L	98
46) Tetrachloroethene	8.58	164	181817	49.916	ug/L	98
48) 2-Hexanone	8.73	43	544739	94.055	ug/L	95
49) Dibromochloromethane	8.84	129	259829	50.723	ug/L	100
50) 1,2-Dibromoethane	8.96	107	250699	50.241	ug/L	99
51) Chlorobenzene	9.48	112	637352	50.139	ug/L	97
52) Ethylbenzene	9.60	91	1101723	52.847	ug/L	100
53) m,p-Xylene	9.72	106	414230	53.606	ug/L	99
54) o-xylene	10.13	106	406906	53.813	ug/L	99
55) Styrene	10.14	104	669309	54.239	ug/L	100
56) Isopropylbenzene	10.51	105	1025235	53.889	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	411939	49.152	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	327388	49.116	ug/L	99
61) Bromoform	10.32	173	191920	46.412	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	446365	51.056	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	436863	49.112	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	443687	49.846	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	70825	47.898	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	235909	52.843	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	150826	53.762	ug/L	97
69) Naphthalene	14.11	128	440729	56.483	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	161536	55.711	ug/L	98

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

