

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\
 Data File : VU030485.D
 Acq On : 27 Mar 2019 15:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Mar 28 01:32:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 01:25:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	397676	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	381721	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	176488	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	157922	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.68%
7) Chloroethane-d5	1.67	69	131211	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.44%
11) 1,1-Dichloroethene-d2	2.27	63	308336	50.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.58%
21) 2-Butanone-d5	4.17	46	327317	108.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.80%
24) Chloroform-d	4.64	84	287884	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
26) 1,2-Dichloroethane-d4	5.31	65	184001	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
32) Benzene-d6	5.34	84	550698	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
36) 1,2-Dichloropropane-d6	6.33	67	196328	52.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.84%
41) Toluene-d8	7.56	98	489360	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.85	79	90763	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.31	63	221667	109.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282957	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	178877	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	218781	49.862 ug/L	99
3) Chloromethane	1.33	50	256016	52.171 ug/L	100
5) Vinyl chloride	1.40	62	238056	51.157 ug/L	100
6) Bromomethane	1.61	94	107403	50.312 ug/L	100
8) Chloroethane	1.69	64	146655	55.824 ug/L	94
9) Trichlorofluoromethane	1.88	101	268144	52.841 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	149947	51.663 ug/L	98
12) 1,1-Dichloroethene	2.28	96	146441	51.468 ug/L	98
13) Acetone	2.32	43	277305	91.142 ug/L	98
14) Carbon disulfide	2.48	76	452140	48.061 ug/L	99
15) Methyl Acetate	2.61	43	243813	52.334 ug/L #	100
16) Methylene chloride	2.70	84	173272	51.659 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	148494	49.746 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	522580	52.938 ug/L	99
19) 1,1-Dichloroethane	3.44	63	323328	52.795 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	170399	50.900 ug/L	99
22) 2-Butanone	4.26	43	371308	100.965 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	81102	52.122	ug/L	95
25) Chloroform	4.67	83	305708	52.502	ug/L	99
27) 1,2-Dichloroethane	5.40	62	249590	54.626	ug/L	99
29) Cyclohexane	4.99	56	308445	53.395	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	252617	54.047	ug/L	99
31) Carbon tetrachloride	5.13	117	212014	53.516	ug/L	98
33) Benzene	5.39	78	696712	53.617	ug/L	100
34) Trichloroethene	6.18	95	160463	50.233	ug/L	99
35) Methylcyclohexane	6.41	83	267858	50.957	ug/L	99
37) 1,2-Dichloropropane	6.43	63	192715	52.260	ug/L	100
38) Bromodichloromethane	6.75	83	231109	52.745	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	284128	53.605	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	659113	106.410	ug/L	99
42) Toluene	7.63	91	715232	53.036	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	253579	54.372	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	164764	52.880	ug/L	99
46) Tetrachloroethene	8.22	164	115694	51.854	ug/L	99
48) 2-Hexanone	8.36	43	519781	102.388	ug/L	99
49) Dibromochloromethane	8.47	129	172301	53.220	ug/L	95
50) 1,2-Dibromoethane	8.58	107	176596	52.811	ug/L	99
51) Chlorobenzene	9.12	112	424935	51.991	ug/L	97
52) Ethylbenzene	9.25	91	775460	53.082	ug/L	99
53) m,p-Xylene	9.37	106	274722	52.082	ug/L	98
54) o-xylene	9.77	106	276645	53.750	ug/L	99
55) Styrene	9.79	104	472673	53.313	ug/L	100
56) Isopropylbenzene	10.16	105	725411	53.229	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	301766	52.550	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	237396	52.890	ug/L	100
61) Bromoform	9.95	173	125320	53.407	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	303009	52.500	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	306214	51.536	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	307442	52.680	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66836	51.433	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	215157	49.796	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	191211	50.932	ug/L	99
69) Naphthalene	13.74	128	590623	44.243	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	193554	48.824	ug/L	98

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

