

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030429.D
 Acq On : 26 Mar 2019 09:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Mar 27 04:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 01:25:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	440716	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	416243	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194220	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	193404	54.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.06%
7) Chloroethane-d5	1.67	69	154920	55.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.22%
11) 1,1-Dichloroethene-d2	2.27	63	360478	53.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.16%
21) 2-Butanone-d5	4.17	46	341575	102.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.45%
24) Chloroform-d	4.64	84	329710	53.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.90%
26) 1,2-Dichloroethane-d4	5.31	65	209829	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.94%
32) Benzene-d6	5.34	84	638822	53.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.04%
36) 1,2-Dichloropropane-d6	6.33	67	223838	54.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.62%
41) Toluene-d8	7.56	98	570437	53.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.42%
43) trans-1,3-Dichloropropene-	7.85	79	102169	53.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.40%
47) 2-Hexanone-d5	8.31	63	224178	101.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	307474	52.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.22%
64) 1,2-Dichlorobenzene-d4	11.85	152	202634	52.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	247886	50.978	ug/L	99
3) Chloromethane	1.33	50	266791	49.057	ug/L	100
5) Vinyl chloride	1.40	62	259957	50.408	ug/L	98
6) Bromomethane	1.61	94	107743	45.542	ug/L	97
8) Chloroethane	1.69	64	149605	51.386	ug/L	96
9) Trichlorofluoromethane	1.88	101	295088	52.472	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	169762	52.778	ug/L	99
12) 1,1-Dichloroethene	2.28	96	158177	50.164	ug/L	89
13) Acetone	2.32	43	385747	114.402	ug/L	100
14) Carbon disulfide	2.47	76	512243	49.132	ug/L	100
15) Methyl Acetate	2.61	43	256264	49.634	ug/L #	100
16) Methylene chloride	2.70	84	188508	50.712	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	162992	49.270	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	555912	50.815	ug/L	99
19) 1,1-Dichloroethane	3.44	63	350494	51.642	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	183123	49.359	ug/L	97
22) 2-Butanone	4.26	43	432688	106.165	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	87261	50.603	ug/L	96
25) Chloroform	4.67	83	327578	50.764	ug/L	98
27) 1,2-Dichloroethane	5.40	62	261919	51.726	ug/L	98
29) Cyclohexane	4.99	56	336928	53.489	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	268141	52.611	ug/L	100
31) Carbon tetrachloride	5.13	117	230957	53.462	ug/L	100
33) Benzene	5.39	78	746687	52.697	ug/L	100
34) Trichloroethene	6.18	95	178677	51.296	ug/L	97
35) Methylcyclohexane	6.41	83	303506	52.950	ug/L	99
37) 1,2-Dichloropropane	6.43	63	208423	51.832	ug/L	100
38) Bromodichloromethane	6.75	83	247715	51.846	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	307651	53.229	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	663089	98.174	ug/L	99
42) Toluene	7.63	91	770311	52.383	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	270784	53.246	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	176120	51.837	ug/L	100
46) Tetrachloroethene	8.22	164	127646	52.466	ug/L	97
48) 2-Hexanone	8.36	43	549789	99.317	ug/L	99
49) Dibromochloromethane	8.47	129	185465	52.535	ug/L	99
50) 1,2-Dibromoethane	8.58	107	187646	51.462	ug/L	97
51) Chlorobenzene	9.12	112	456444	51.215	ug/L	99
52) Ethylbenzene	9.25	91	832660	52.270	ug/L	100
53) m,p-Xylene	9.37	106	295882	51.441	ug/L	98
54) o-xylene	9.77	106	296529	52.835	ug/L	96
55) Styrene	9.79	104	509865	52.739	ug/L	100
56) Isopropylbenzene	10.16	105	780502	52.521	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	316643	50.567	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	245828	50.226	ug/L	100
61) Bromoform	9.95	173	133193	51.580	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	322999	50.854	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	330227	50.503	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	335326	52.212	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66973	46.833	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	242891	51.082	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	201065	48.667	ug/L	98
69) Naphthalene	13.74	128	624636	42.519	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	208235	47.732	ug/L	100

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

