

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030470.D
 Acq On : 27 Mar 2019 01:47
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Quant Time: Mar 27 06:08:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	435938	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	412673	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194772	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	176562	50.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.66%
7) Chloroethane-d5	1.66	69	140102	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.76%
11) 1,1-Dichloroethene-d2	2.27	63	327486	49.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.42%
21) 2-Butanone-d5	4.17	46	355445	107.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.77%
24) Chloroform-d	4.64	84	308580	51.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.10%
26) 1,2-Dichloroethane-d4	5.30	65	200922	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.60%
32) Benzene-d6	5.33	84	600468	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
36) 1,2-Dichloropropane-d6	6.32	67	215858	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.62%
41) Toluene-d8	7.56	98	531698	50.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.06%
43) trans-1,3-Dichloropropene-	7.85	79	95417	50.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.24%
47) 2-Hexanone-d5	8.31	63	249460	113.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	311318	53.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	197133	50.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.02%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	224957	46.770 ug/L	99
3) Chloromethane	1.33	50	263900	49.057 ug/L	99
5) Vinyl chloride	1.40	62	253713	49.737 ug/L	98
6) Bromomethane	1.60	94	105889	45.249 ug/L	100
8) Chloroethane	1.68	64	136082	47.253 ug/L	99
9) Trichlorofluoromethane	1.87	101	279521	50.249 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	150590	47.331 ug/L	99
12) 1,1-Dichloroethene	2.28	96	150523	48.260 ug/L	95
13) Acetone	2.32	43	238201	71.418 ug/L	99
14) Carbon disulfide	2.47	76	482180	46.756 ug/L	99
15) Methyl Acetate	2.61	43	259451	50.803 ug/L #	100
16) Methylene chloride	2.70	84	182608	49.664 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	157228	48.049 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	557207	51.492 ug/L	99
19) 1,1-Dichloroethane	3.44	63	341597	50.883 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	181573	49.477 ug/L	98
22) 2-Butanone	4.26	43	379023	94.017 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	85892	50.355	ug/L	97
25) Chloroform	4.67	83	322898	50.587	ug/L	97
27) 1,2-Dichloroethane	5.40	62	259825	51.875	ug/L	100
29) Cyclohexane	4.99	56	319970	51.236	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	258445	51.147	ug/L	100
31) Carbon tetrachloride	5.13	117	225007	52.536	ug/L	100
33) Benzene	5.38	78	732413	52.137	ug/L	100
34) Trichloroethene	6.18	95	171097	49.545	ug/L	97
35) Methylcyclohexane	6.41	83	276411	48.640	ug/L	99
37) 1,2-Dichloropropane	6.43	63	205461	51.538	ug/L	100
38) Bromodichloromethane	6.75	83	244903	51.701	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	290989	50.782	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	713875	106.607	ug/L	99
42) Toluene	7.63	91	759975	52.127	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	254937	50.563	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	173712	51.571	ug/L	98
46) Tetrachloroethene	8.22	164	117759	48.821	ug/L	98
48) 2-Hexanone	8.36	43	559206	101.892	ug/L	100
49) Dibromochloromethane	8.47	129	179723	51.349	ug/L	99
50) 1,2-Dibromoethane	8.58	107	183984	50.894	ug/L	99
51) Chlorobenzene	9.12	112	446869	50.574	ug/L	99
52) Ethylbenzene	9.25	91	818698	51.838	ug/L	99
53) m,p-Xylene	9.37	106	296464	51.988	ug/L	100
54) o-xylene	9.77	106	297306	53.432	ug/L	98
55) Styrene	9.79	104	502711	52.449	ug/L	100
56) Isopropylbenzene	10.16	105	767344	52.083	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	321314	51.757	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	255130	52.577	ug/L	100
61) Bromoform	9.95	173	131399	50.741	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	316103	49.627	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	318846	48.625	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	330568	51.325	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	70184	48.939	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	226677	47.537	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	188927	45.600	ug/L	99
69) Naphthalene	13.74	128	643791	43.699	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	203496	46.514	ug/L	97

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

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