

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032989.D
 Acq On : 22 Jun 2019 09:38
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: Jun 24 02:05:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 02:01:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198497	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	196253	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	103000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58694	43.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.54%
7) Chloroethane-d5	1.67	69	49981	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.27	63	130865	47.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.78%
21) 2-Butanone-d5	4.17	46	127878	113.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.26%
24) Chloroform-d	4.64	84	135346	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.64%
26) 1,2-Dichloroethane-d4	5.30	65	92194	52.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.96%
32) Benzene-d6	5.33	84	255100	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.72%
36) 1,2-Dichloropropane-d6	6.32	67	81763	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.34%
41) Toluene-d8	7.56	98	241347	50.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.76%
43) trans-1,3-Dichloropropene-	7.84	79	38962	45.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.92%
47) 2-Hexanone-d5	8.31	63	81242	106.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.76%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	127078	50.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	100380	50.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	99950	49.849 ug/L	100
3) Chloromethane	1.32	50	83437	45.913 ug/L	99
5) Vinyl chloride	1.40	62	87778	48.697 ug/L	98
6) Bromomethane	1.62	94	35231	33.216 ug/L	100
8) Chloroethane	1.69	64	51844	49.966 ug/L	100
9) Trichlorofluoromethane	1.88	101	124805	49.353 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61264	46.187 ug/L	97
12) 1,1-Dichloroethene	2.28	96	58313	46.651 ug/L	95
13) Acetone	2.31	43	94306	60.471 ug/L	97
14) Carbon disulfide	2.47	76	181581	45.908 ug/L	99
15) Methyl Acetate	2.61	43	96635	54.664 ug/L	98
16) Methylene chloride	2.69	84	72741	49.593 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	64929	47.900 ug/L	97
18) Methyl tert-butyl Ether	2.99	73	223653	51.390 ug/L	98
19) 1,1-Dichloroethane	3.44	63	134294	51.967 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	76562	51.847 ug/L	95
22) 2-Butanone	4.25	43	140322	86.811 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39550	51.340	ug/L	98
25) Chloroform	4.67	83	139106	52.198	ug/L	96
27) 1,2-Dichloroethane	5.40	62	120405	54.997	ug/L	98
29) Cyclohexane	4.99	56	111496	48.655	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	121616	50.864	ug/L	98
31) Carbon tetrachloride	5.13	117	107535	49.429	ug/L	99
33) Benzene	5.38	78	284952	50.402	ug/L	100
34) Trichloroethene	6.18	95	75348	49.881	ug/L	98
35) Methylcyclohexane	6.41	83	111091	47.578	ug/L	98
37) 1,2-Dichloropropane	6.42	63	77890	50.225	ug/L	100
38) Bromodichloromethane	6.75	83	105660	50.669	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	115070	47.626	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	268992	108.643	ug/L	98
42) Toluene	7.63	91	313699	51.284	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	105766	46.606	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	73094	50.639	ug/L	97
46) Tetrachloroethene	8.22	164	59212	47.837	ug/L	97
48) 2-Hexanone	8.36	43	212205	97.140	ug/L	99
49) Dibromochloromethane	8.47	129	85237	48.984	ug/L	95
50) 1,2-Dibromoethane	8.58	107	80123	49.983	ug/L	99
51) Chlorobenzene	9.11	112	200248	49.748	ug/L	98
52) Ethylbenzene	9.24	91	343479	50.730	ug/L	98
53) m,p-Xylene	9.37	106	129262	50.600	ug/L	99
54) o-xylene	9.77	106	127852	51.249	ug/L	100
55) Styrene	9.79	104	220202	50.880	ug/L	98
56) Isopropylbenzene	10.16	105	339108	50.439	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	131211	50.236	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	107486	51.936	ug/L	100
61) Bromoform	9.95	173	65664	48.823	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	160041	49.988	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	164342	49.698	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	163832	50.117	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	33196	53.228	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	123553	48.029	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	108968	49.229	ug/L	98
69) Naphthalene	13.74	128	343811	50.518	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	116601	49.760	ug/L	99

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

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