

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
 Data File : VU034791.D
 Acq On : 24 Sep 2019 23:04
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Quant Time: Sep 25 03:06:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 25 02:59:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	589826	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	547172	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	258605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	205423	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.04%
7) Chloroethane-d5	1.67	69	182332	39.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.14%
11) 1,1-Dichloroethene-d2	2.26	63	404057	39.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.02%
21) 2-Butanone-d5	4.15	46	471814	101.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.95%
24) Chloroform-d	4.62	84	404818	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.28	65	272773	42.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.54%
32) Benzene-d6	5.32	84	808436	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
36) 1,2-Dichloropropane-d6	6.31	67	286724	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.54	98	778834	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%
43) trans-1,3-Dichloropropene-	7.83	79	131854	46.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.88%
47) 2-Hexanone-d5	8.29	63	318886	107.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.11%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	407408	49.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	275190	50.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	271969	44.738	ug/L 100
3) Chloromethane	1.32	50	334069	45.877	ug/L 99
5) Vinyl chloride	1.40	62	314765	47.328	ug/L 99
6) Bromomethane	1.62	94	176917	48.706	ug/L 94
8) Chloroethane	1.69	64	190904	49.860	ug/L 95
9) Trichlorofluoromethane	1.87	101	397282	47.375	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	196153	48.785	ug/L 94
12) 1,1-Dichloroethene	2.27	96	201807	52.295	ug/L 82
13) Acetone	2.31	43	312106	57.977	ug/L 94
14) Carbon disulfide	2.46	76	620544	47.658	ug/L 99
15) Methyl Acetate	2.60	43	357759	49.751	ug/L 99
16) Methylene chloride	2.68	84	245855	50.295	ug/L 94
17) trans-1,2-Dichloroethene	2.96	96	217629	51.581	ug/L 82
18) Methyl tert-butyl Ether	2.98	73	771639	49.297	ug/L 96
19) 1,1-Dichloroethane	3.42	63	463351	47.872	ug/L 100
20) cis-1,2-Dichloroethene	4.20	96	251901	51.061	ug/L 90
22) 2-Butanone	4.23	43	520366	81.251	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.52	128	124159	52.581	uq/L	89
25) Chloroform	4.65	83	436486	45.796	uq/L	97
27) 1,2-Dichloroethane	5.38	62	358399	43.530	uq/L #	95
29) Cyclohexane	4.97	56	394816	43.716	uq/L	96
30) 1,1,1-Trichloroethane	4.89	97	357008	47.939	uq/L	96
31) Carbon tetrachloride	5.11	117	304552	47.983	uq/L	97
33) Benzene	5.37	78	970739	51.153	uq/L	100
34) Trichloroethene	6.16	95	238768	50.945	uq/L	95
35) Methylcyclohexane	6.39	83	304208	38.248	uq/L	95
37) 1,2-Dichloropropane	6.41	63	281895	49.886	uq/L	99
38) Bromodichloromethane	6.73	83	318863	46.531	uq/L	99
39) cis-1,3-Dichloropropene	7.25	75	410721	48.374	uq/L	98
40) 4-Methyl-2-pentanone	7.44	43	1026521	95.152	uq/L	96
42) Toluene	7.61	91	1051985	51.293	uq/L	97
44) trans-1,3-Dichloropropene	7.86	75	373501	48.797	uq/L	97
45) 1,1,2-Trichloroethane	8.04	97	238264	52.640	uq/L	95
46) Tetrachloroethene	8.21	164	184183	55.869	uq/L	97
48) 2-Hexanone	8.34	43	770897	91.492	uq/L	96
49) Dibromochloromethane	8.45	129	261127	51.758	uq/L	96
50) 1,2-Dibromoethane	8.56	107	257545	52.795	uq/L	100
51) Chlorobenzene	9.10	112	637293	51.117	uq/L	97
52) Ethylbenzene	9.23	91	1120986	48.538	uq/L	99
53) m,p-Xylene	9.35	106	412015	50.368	uq/L	98
54) o-xylene	9.76	106	416730	51.506	uq/L	95
55) Styrene	9.77	104	715489	52.243	uq/L	95
56) Isopropylbenzene	10.14	105	1008378	46.222	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	433514	49.866	uq/L	98
59) 1,2,3-Trichloropropane	10.47	75	337479	47.817	uq/L	97
61) Bromoform	9.94	173	190078	53.384	uq/L	99
62) 1,3-Dichlorobenzene	11.39	146	456446	50.967	uq/L	97
63) 1,4-Dichlorobenzene	11.48	146	455562	49.936	uq/L	98
65) 1,2-Dichlorobenzene	11.85	146	467396	51.652	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.63	75	93762	48.749	uq/L	84
67) 1,3,5-Trichlorobenzene	12.86	180	251060	41.840	uq/L	97
68) 1,2,4-trichlorobenzene	13.48	180	233223	49.425	uq/L	99
69) Naphthalene	13.72	128	992634	60.766	uq/L	100
70) 1,2,3-Trichlorobenzene	13.96	180	237200	48.854	uq/L	98

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

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