

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
 Data File : VU034832.D
 Acq On : 26 Sep 2019 02:59
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Sep 26 07:04:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 06:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	415265	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	398354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	197728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	183007	43.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.10%
7) Chloroethane-d5	1.67	69	162612	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.98%
11) 1,1-Dichloroethene-d2	2.26	63	341643	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
21) 2-Butanone-d5	4.15	46	389516	119.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.55%
24) Chloroform-d	4.62	84	341320	55.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.46%
26) 1,2-Dichloroethane-d4	5.28	65	223983	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
32) Benzene-d6	5.32	84	686024	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
36) 1,2-Dichloropropane-d6	6.31	67	240379	55.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.40%
41) Toluene-d8	7.54	98	664396	56.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.12%
43) trans-1,3-Dichloropropene-	7.83	79	106856	51.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.40%
47) 2-Hexanone-d5	8.29	63	266356	122.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	340052	56.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.58%
64) 1,2-Dichlorobenzene-d4	11.84	152	239237	57.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	214575	50.134	ug/L	98
3) Chloromethane	1.32	50	273058	53.261	ug/L	100
5) Vinyl chloride	1.40	62	253360	54.108	ug/L	100
6) Bromomethane	1.62	94	138118	54.008	ug/L	95
8) Chloroethane	1.69	64	154046	57.146	ug/L	96
9) Trichlorofluoromethane	1.87	101	313712	53.135	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	154034	54.413	ug/L	96
12) 1,1-Dichloroethene	2.27	96	155453	57.217	ug/L	78
13) Acetone	2.31	43	261018	68.868	ug/L	96
14) Carbon disulfide	2.46	76	482721	52.657	ug/L	100
15) Methyl Acetate	2.60	43	291135	57.505	ug/L	99
16) Methylene chloride	2.68	84	203833	59.227	ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	170779	57.492	ug/L	89
18) Methyl tert-butyl Ether	2.98	73	615524	55.853	ug/L	96
19) 1,1-Dichloroethane	3.42	63	362993	53.268	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	207484	59.737	ug/L	89
22) 2-Butanone	4.23	43	422512	93.704	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	98321	59.142	ug/L	89
25) Chloroform	4.65	83	344776	51.380	ug/L	99
27) 1,2-Dichloroethane	5.38	62	288395	49.752	ug/L #	94
29) Cyclohexane	4.97	56	336405	51.164	ug/L	95
30) 1,1,1-Trichloroethane	4.89	97	283539	52.297	ug/L	97
31) Carbon tetrachloride	5.11	117	240586	52.066	ug/L	97
33) Benzene	5.37	78	786955	56.960	ug/L	100
34) Trichloroethene	6.16	95	193040	56.575	ug/L	95
35) Methylcyclohexane	6.39	83	303969	52.496	ug/L	95
37) 1,2-Dichloropropane	6.41	63	232599	56.540	ug/L	100
38) Bromodichloromethane	6.73	83	268305	53.780	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	331111	53.567	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	845125	107.604	ug/L	95
42) Toluene	7.61	91	864441	57.895	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	293594	52.687	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	192695	58.477	ug/L	96
46) Tetrachloroethene	8.21	164	140343	58.474	ug/L	96
48) 2-Hexanone	8.34	43	622287	101.446	ug/L	94
49) Dibromochloromethane	8.45	129	208363	56.728	ug/L	99
50) 1,2-Dibromoethane	8.56	107	209060	58.866	ug/L	99
51) Chlorobenzene	9.10	112	522667	57.584	ug/L	96
52) Ethylbenzene	9.23	91	930569	55.346	ug/L	97
53) m,p-Xylene	9.35	106	344536	57.853	ug/L	99
54) o-xylene	9.76	106	341530	57.981	ug/L	100
55) Styrene	9.77	104	588958	59.070	ug/L	93
56) Isopropylbenzene	10.14	105	901056	56.733	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.43	83	359711	56.835	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	279192	54.337	ug/L	99
61) Bromoform	9.94	173	146822	53.932	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	398839	58.246	ug/L	95
63) 1,4-Dichlorobenzene	11.48	146	400467	57.411	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	398719	57.629	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.63	75	78470	53.359	ug/L	85
67) 1,3,5-Trichlorobenzene	12.86	180	270370	58.930	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	232918	64.558	ug/L	98
69) Naphthalene	13.72	128	840256	67.275	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	244718	65.920	ug/L	95

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

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