

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092419\
 Data File : VU034778.D
 Acq On : 24 Sep 2019 17:59
 Operator : JC/SP
 Sample : K4932-04RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDG6RE

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 10:06:23 AM

Quant Time: Sep 25 05:38:22 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	617661	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	568553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	260758	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	230387	36.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.88%
7) Chloroethane-d5	1.67	69	207191	42.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.26	63	321087	29.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.98%#
21) 2-Butanone-d5	4.19	46	28365m	5.85	ug/L	0.04
Spiked Amount	100.000	Range	40 - 130	Recovery	=	5.85%#
24) Chloroform-d	4.65	84	16712m	1.82	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	3.64%#
26) 1,2-Dichloroethane-d4	5.28	65	285188	42.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.40%
32) Benzene-d6	5.32	84	883442	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
36) 1,2-Dichloropropane-d6	6.31	67	304621	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.92%
41) Toluene-d8	7.54	98	838144	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%
43) trans-1,3-Dichloropropene-	7.83	79	133693	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
47) 2-Hexanone-d5	8.30	63	4246m	1.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	1.37%#
57) 1,1,2,2-Tetrachloroethane-	10.42	84	1049m	0.12	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.24%#
64) 1,2-Dichlorobenzene-d4	11.84	152	285851	52.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	941729	167.052	ug/L	96
16) Methylene chloride	2.68	84	105421	20.594	ug/L	93
22) 2-Butanone	4.23	43	373632	55.711	ug/L	90
25) Chloroform	4.65	83	392522	39.327	ug/L	99
29) Cyclohexane	4.97	56	28762m	3.065	ug/L	
33) Benzene	5.36	78	555340	28.163	ug/L	100
34) Trichloroethene	6.16	95	272750	56.007	ug/L	92
35) Methylcyclohexane	6.39	83	23887	2.890	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	2845509	253.843	ug/L	95
42) Toluene	7.61	91	4858646	227.992	ug/L	98
46) Tetrachloroethene	8.21	164	20460	5.973	ug/L	96
48) 2-Hexanone	8.33	43	337688	38.571	ug/L #	91
52) Ethylbenzene	9.23	91	1063636	44.323	ug/L	97
53) m,p-Xylene	9.35	106	1469036	172.832	ug/L	95
54) o-xylene	9.76	106	896512	106.638	ug/L	99
56) Isopropylbenzene	10.14	105	83277	3.674	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	67155	7.360	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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