

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040719\
 Data File : VU030841.D
 Acq On : 07 Apr 2019 07:13
 Operator : JC/SP
 Sample : K2249-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE7

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:17:14 PM

Quant Time: Apr 08 09:33:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 08 07:03:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	489322	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	478757	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	232885	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	227359	52.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.10%
7) Chloroethane-d5	1.68	69	173029	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.38%
11) 1,1-Dichloroethene-d2	2.27	63	527606	66.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	133.56%#
21) 2-Butanone-d5	4.18	46	363857	105.10	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.10%
24) Chloroform-d	4.64	84	322950	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.31	65	229323	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.74%
32) Benzene-d6	5.34	84	693792	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
36) 1,2-Dichloropropane-d6	6.32	67	238426	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.56%
41) Toluene-d8	7.56	98	588900	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%
43) trans-1,3-Dichloropropene-	7.85	79	94707	43.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.72%
47) 2-Hexanone-d5	8.31	63	212708	97.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322843	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	226207	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	1471262	273.380	ug/L	98
8) Chloroethane	1.69	64	633459	206.371	ug/L	99
12) 1,1-Dichloroethene	2.28	96	396711	117.285	ug/L	87
13) Acetone	2.32	43	18775	5.300	ug/L	99
16) Methylene chloride	2.70	84	19834	4.827	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	456795	127.190	ug/L	98
19) 1,1-Dichloroethane	3.44	63	16852842	2273.843	ug/L	98
20) cis-1,2-Dichloroethene	4.21	96	23873447m	6020.250	ug/L	
27) 1,2-Dichloroethane	5.40	62	64901	11.415	ug/L #	92
30) 1,1,1-Trichloroethane	4.91	97	19495321	3341.334	ug/L	99
33) Benzene	5.39	78	130153	8.307	ug/L	100
34) Trichloroethene	6.18	95	253246	65.905	ug/L	98
35) Methylcyclohexane	6.41	83	13668	2.305	ug/L	97
42) Toluene	7.63	91	823616	51.501	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	44097	11.720	ug/L	97
46) Tetrachloroethene	8.22	164	46057	16.486	ug/L	93
52) Ethylbenzene	9.24	91	2001361	114.809	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.37	106	1810130	297.732	ug/L	95
54) o-xylene	9.77	106	1820456	301.030	ug/L	97
56) Isopropylbenzene	10.16	105	305942	19.215	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	161919	21.931	ug/L	98

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

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