

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU032419\
 Data File : VU030378.D
 Acq On : 24 Mar 2019 18:11
 Operator : JC/SP
 Sample : K2016-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0989

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 12:36:18 PM

Quant Time: Apr 06 00:05:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 25 03:20:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	443734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	438329	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.50	152	251248	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	135964	38.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.14%
7) Chloroethane-d5	1.68	69	113209	40.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.27	63	199613	29.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.94%#
21) 2-Butanone-d5	4.17	46	298822	89.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.01%
24) Chloroform-d	4.64	84	268953	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
26) 1,2-Dichloroethane-d4	5.31	65	182445	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.62%
32) Benzene-d6	5.34	84	566499	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
36) 1,2-Dichloropropane-d6	6.33	67	196402	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.34%
41) Toluene-d8	7.56	98	510661	45.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.46%
43) trans-1,3-Dichloropropene-	7.85	79	82768	40.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.86%
47) 2-Hexanone-d5	8.31	63	202701	86.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	271184	44.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.12%
64) 1,2-Dichlorobenzene-d4	11.90	152	265287	52.70	ug/L	0.04
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Ovalue
13) Acetone	2.32	43	14819	4.365	ug/L 98
25) Chloroform	4.67	83	42462	6.535	ug/L 97
29) Cyclohexane	4.99	56	13374	2.016	ug/L 99
31) Carbon tetrachloride	5.13	117	68244	15.001	ug/L 96
33) Benzene	5.38	78	24665582m	1653.060	ug/L
35) Methylcyclohexane	6.41	83	7941	1.316	ug/L # 81
42) Toluene	7.64	91	9414	0.608	ug/L 100
46) Tetrachloroethene	8.23	164	5656	2.208	ug/L 90
51) Chlorobenzene	9.12	112	28308553m	3016.276	ug/L
62) 1,3-Dichlorobenzene	11.42	146	6423317	781.759	ug/L 100
63) 1,4-Dichlorobenzene	11.51	146	30746483m	3634.911	ug/L
65) 1,2-Dichlorobenzene	11.88	146	40028018m	4817.910	ug/L
68) 1,2,4-trichlorobenzene	13.51	180	18243225m	3413.452	ug/L
70) 1,2,3-Trichlorobenzene	13.99	180	5090402	901.985	ug/L 100

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

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