

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041219\
 Data File : VU031145.D
 Acq On : 12 Apr 2019 21:40
 Operator : JC/SP
 Sample : K2339-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC35

Manual Integrations
 APPROVED

MMDadoda
 4/15/2019 12:48:37 PM

Quant Time: Apr 16 12:45:22 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 13 01:01:33 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.90	114	612541	50.00	ug/L	0.02
28) Chlorobenzene-d5	9.09	117	591343	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	284593	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	240733	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.06%
7) Chloroethane-d5	1.67	69	175868	42.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.76%
11) 1,1-Dichloroethene-d2	2.28	63	12722715	1286.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	2572.84%#
21) 2-Butanone-d5	4.18	46	366365	84.54	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.54%
24) Chloroform-d	4.64	84	373789	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
26) 1,2-Dichloroethane-d4	5.31	65	245528	43.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.16%
32) Benzene-d6	5.35	84	763604	44.23	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
36) 1,2-Dichloropropane-d6	6.42	67	264187	44.66	ug/L	0.10
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.32%
41) Toluene-d8	7.57	98	668695	43.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.85	79	120817	44.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.58%
47) 2-Hexanone-d5	8.31	63	235500	87.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	346284	43.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	253467	45.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.58%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	14053	2.086 ug/L #	18
9) Trichlorofluoromethane	1.88	101	18798	2.395 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	56222	12.818 ug/L #	36
12) 1,1-Dichloroethene	2.27	96	18831797m	4447.541 ug/L	
13) Acetone	2.32	43	110107	24.829 ug/L	99
16) Methylene chloride	2.69	84	137601	26.751 ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	14793	3.290 ug/L	94
19) 1,1-Dichloroethane	3.44	63	778882	83.950 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	727943	146.641 ug/L	90
22) 2-Butanone	4.28	43	34525m	6.640 ug/L	
25) Chloroform	4.67	83	100807	10.810 ug/L	96
27) 1,2-Dichloroethane	5.41	62	104309	14.656 ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	460207	63.858 ug/L	99
31) Carbon tetrachloride	5.14	117	14786m	2.381 ug/L	
33) Benzene	5.41	78	52591	2.718 ug/L	100
34) Trichloroethene	6.17	95	115821430m	24402.766 ug/L	
35) Methylcyclohexane	6.48	83	54894	7.494 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	3035479	153.671	uq/L	100
45) 1,1,2-Trichloroethane	8.07	97	275196	59.218	uq/L	95
46) Tetrachloroethene	8.23	164	118193	34.252	uq/L	98
52) Ethylbenzene	9.25	91	736240	34.194	uq/L	99
53) m,p-Xylene	9.37	106	1435197	191.119	uq/L	99
54) o-xylene	9.78	106	561635	75.190	uq/L	98
56) Isopropylbenzene	10.17	105	22548	1.147	uq/L	99

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

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