

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037879.D
 Acq On : 24 Apr 2020 18:19
 Operator : JC/MD
 Sample : L2395-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D98

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 12:02:16 PM

Quant Time: Apr 25 04:00:59 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 25 01:13:34 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	613383	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	637597	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	311494	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	244856	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.38%
7) Chloroethane-d5	1.93	69	199286	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.96%
11) 1,1-Dichloroethene-d2	2.60	63	6103577	703.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	1407.20%#
21) 2-Butanone-d5	4.68	46	424938	100.07	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.07%
24) Chloroform-d	5.11	84	379506	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
26) 1,2-Dichloroethane-d4	5.74	65	267335	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
32) Benzene-d6	5.77	84	849369	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.75	67	310980	51.57	ug/L	0.03
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.14%
41) Toluene-d8	7.93	98	841076	50.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.50%
43) trans-1,3-Dichloropropene-	8.20	79	157643	50.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.58%
47) 2-Hexanone-d5	8.65	63	350620	106.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	409255	48.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.54%
64) 1,2-Dichlorobenzene-d4	12.20	152	299910	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	80199	13.179	ug/L	88
12) 1,1-Dichloroethene	2.60	96	10786556	2896.560	ug/L #	49
13) Acetone	2.65	43	7383	2.914	ug/L	95
16) Methylene chloride	3.08	84	2742206	619.710	ug/L	91
17) trans-1,2-Dichloroethene	3.39	96	147440	35.410	ug/L	91
19) 1,1-Dichloroethane	3.92	63	960319	114.416	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	19955677m	4377.270	ug/L	
22) 2-Butanone	4.76	43	8476	1.911	ug/L #	52
23) Bromochloromethane	5.02	128	6418	2.913	ug/L	90
25) Chloroform	5.13	83	101686	12.948	ug/L	98
27) 1,2-Dichloroethane	5.83	62	100551	14.949	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	17988782	2526.316	ug/L	98
33) Benzene	5.82	78	27594	1.426	ug/L	100
34) Trichloroethene	6.57	95	67164704m	14149.099	ug/L	
40) 4-Methyl-2-pentanone	7.82	43	23653	2.573	ug/L	99
42) Toluene	8.00	91	820298	40.429	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	505616	109.656	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Tetrachloroethene	8.57	164	34806	10.032	ug/L	98
52) Ethylbenzene	9.59	91	1749413	76.992	ug/L	99
53) m,p-Xylene	9.71	106	1813481	211.980	ug/L	99
54) o-xylene	10.12	106	1599401	191.161	ug/L	99
56) Isopropylbenzene	10.50	105	53268	2.406	ug/L	99

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

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