:\Program Files\Teledyne Tekmar\VOC TekLink\3.1\Methods\Method 8260_5mL.mvat

ratum (with AQUATek 70) Method

Variable	Value
Valve Oven Temp.	125°C
Transfer Line Temp.	125°C
Sample Mount Temp.	40°C
Purge Ready Temp.	40°C
Standby Flow	10 mL/min.
Pressurize Time	0.20 min.
Fill I.S. Time	0.04 min.
Sample Transfer Time	0.25 min.
Pre-Purge Time	0.50 min.
Pre-Purge Flow	40 mL/min.
Sample Heater	Off
Sample Preheat Time	1.00 min.
Sample Temp.	40°C
Purge Time	11.00 min.
Purge Temp.	0°C
Purge Flow	40 mL/min.
Condenser Ready Temp.	40°C
Condenser Purge Temp.	20°C
Rinse Loop Time	0.25 min.
Purge Loop Time	0.25 min.
Dry Purge Time	2.00 min.

Variable	Value
Dry Purge Temp.	20°C
Dry Purge Flow	100 mL/min.
GC Start	Start of Desorb
Desorb Preheat Temp.	245°C
Desorb Drain	On
Desorb Time	0.50 min.
Desorb Temp.	250°C
Desorb Flow	100 mL/min.
Bake Rinse	On
Number of Bake Rinses	2
Bake Drain Time	0.50 min.
Bake Drain Flow	400 mL/min.
Bake Time	6.00 min.
Bake Temp.	260°C
Bake Flow	200 mL/min.
Condenser Bake Temp.	200°C
Focus Temp.	-150°C
Inject Time	1.00 min.
Inject Temp.	180°C
Standby Temp.	100°C

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AMH UP1262 07/20/2017

METHOD CONTROL PARAMETERS

lethod Information for: C:\MSDCHEM\1\METHODS\VOA_JUNE2017.M

lethod Sections To Run:

(X) Save Copy of Method With Data
( ) Instrument Control Pre-Run Cmd/Macro =
( ) Data Analysis Pre-Run Cmd/Macro =
(X) Data Acquisition
( ) Data Analysis
( ) Instrument Control Post-Run Cmd/Macro =
( ) Data Analysis Post-Run Cmd/Macro =

ethod Comments:

END OF METHOD CONTROL PARAMETERS

AMH VP1262 07/20/2017

C:\MSDCHEM\1\METHODS\VOA_JUNE2017.M
Wed Jul 05 13:00:28 2017

Control Information

Sample Inlet	: GC
Injection Source	: External Device
Mass Spectrometer	: Enabled

No Sample Prep method has been assigned to this method.

Oven	
Equilibration Time	0 min
Max Temperature	260 degrees C
Low Fan	Disabled
Oven Program	On
35 °C for 4 min	
then 15 °C/min to 230 °C for 1 min	
Run Time	18 min

Sample Overlap
Sample overlap is not enabled

Front SS Inlet He	
Mode	Split
Heater	On 200 °C
Pressure	On 14.125 psi
Total Flow	On 106.2 mL/min
Septum Purge Flow	On 0.5 mL/min
Gas Saver	Off
Split Ratio	150 :1
Split Flow	105 mL/min

Thermal Aux 2 (MSD Transfer Line)	
Heater	On
Temperature Program	On
250 °C for 0 min	
Run Time	18 min

Column #1
DB-W 121-1324UI: USB010035M
DB-624 UI
30 °C: 20 m x 180 µm x 1 µm
: Front SS Inlet He
t: Vacuum

Initial)	35 °C
Pressure	14.125 psi
Flow	0.7 mL/min
Average Velocity	37.062 cm/sec
Holdup Time	0.8994 min
Flow Program	Off
0.7 mL/min for 0 min	
Run Time	18 min

Signals
Signal #1: Test Plot

	Save Off
	50 Hz

AMH VP1262 07/20/2017

Signal #2: Test Plot	Save Off 50 Hz
Signal #3: Test Plot	Save Off 50 Hz
Signal #4: Test Plot	Save Off 50 Hz

MS ACQUISITION PARAMETERS

General Information
--- ---

Tune File	: BFB_Atune 40417.u
Acquistion Mode	: Scan

MS Information
-- ---

Solvent Delay	: 2.50 min
EMV Mode	: Gain Factor
Gain Factor	: 9.50
Resulting EM Voltage	: 1529

[Scan Parameters]

Low Mass	: 35.0		
High Mass	: 300.0		
Threshold	: 90		
Sample #	: 2	A/D Samples	4

[MSZones]

MS Source	: 250 C	maximum 250 C
MS Quad	: 200 C	maximum 200 C

END OF MS ACQUISITION PARAMETERS

TUNE PARAMETERS for SN: US83130922

Trace Ion Detection is ON.

EMISSION	:	34.610
ENERGY	:	69.922
REPELLER	:	26.940
IONFOCUS	:	114.831
ENTRANCE_LE	:	29.000
EMVOLTS	:	1188.235

Actual EMV	:	1294.12
GAIN FACTOR	:	1.28

AMUGAIN	:	2031.000
AMUOFFSET	:	116.188
FILAMENT	:	1.000
DCPOLARITY	:	1.000
ENTLENSOFFS	:	26.102
MASSGAIN	:	-653.000
MASSOFFSET	:	-37.283

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

DATA ANALYSIS PARAMETERS

Method Name: C:\MSDCHEM\1\METHODS\VOA_JUNE2017.M

Percent Report Settings

Sort By: Signal

Output Destination
Screen: No
Printer: Yes
File: No

Integration Events: Meth Default

Generate Report During Run Method: No

Signal Correlation Window: 0.020

Qualitative Report Settings

Peak Location of Unknown: Apex

Library to Search	Minimum Quality
:\Database\NIST08.L	0

Integration Events: Meth Default

Report Type: Summary

Output Destination
Screen: No
Printer: Yes
File: No

Generate Report During Run Method: No

Quantitative Report Settings

Report Type: Summary

Output Destination
Screen: No
Printer: No
File: epatemp.txt

Generate Report During Run Method: No

VOLATILE ANALYSIS by P&T GC/MSD
Calibration Last Updated: Thu Jun 22 13:47:40 2017

Reference Window: 0.50 Minutes
Non-Reference Window: 0.50 Minutes

AMH VP1262 07/20/2017

Correlation Window: 0.50 minutes
Default Multiplier: 1.00
Default Sample Concentration: 0.00

Compound Information

---

1) Fluorobenzene (ISTD)

Ret. Time 6.68 min., Extract & Integrate from 6.38 to 6.98 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	96.00			*** METH DEFAULT ***
Q1	70.00	19.90	20.0	*** METH DEFAULT ***
Q2	50.00	10.40	20.0	*** METH DEFAULT ***
Q3	75.00	7.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		250.000	2131519
2		250.000	2172561
3		250.000	2195714
4		250.000	2126271
5		250.000	2153604
6		250.000	2141614
7		250.000	2166449

Qualifier Peak Analysis ON ISTD conc: 250.000 ng
Curve Fit: Avg. RF

---

2) 1,1,2-Trichloro-1,2,2-trifluoroethane ( )

Ret. Time 2.85 min., Extract & Integrate from 2.54 to 3.17 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	151.00			*** METH DEFAULT ***
Q1	101.00	121.90	20.0	*** METH DEFAULT ***
Q2	153.00	64.80	20.0	*** METH DEFAULT ***
Q3	85.00	55.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	7175
2		10.000	15939
3		25.000	39913
4		50.000	75831
5		100.000	151832
6		250.000	393250
7		500.000	743740

Qualifier Peak Analysis ON
Curve Fit: Quadratic

---

3) 1,1-Dichloroethene ( )

Ret. Time 2.82 min., Extract & Integrate from 2.03 to 3.61 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	96.00			*** METH DEFAULT ***
Q1	61.00	178.40	20.0	*** METH DEFAULT ***
Q2	63.00	55.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	10221
2		10.000	20336
3		25.000	49629
4		50.000	95791
5		100.000	192468
6		250.000	482462
7		500.000	936599

Curve Fit: Linear

---

4) Acetone ( )

Ret. Time 2.90 min., Extract & Integrate from 2.12 to 3.69 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	58.10			*** METH DEFAULT ***
21	43.10	346.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	-1
2		10.000	3254
3		25.000	8477
4		50.000	14077
5		100.000	33586
6		250.000	78140
7		500.000	183116

Qualifier Peak Analysis ON
Curve Fit: Linear

---

5) Carbon disulfide ( )

Ret. Time 3.06 min., Extract & Integrate from 2.74 to 3.37 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	76.00			*** METH DEFAULT ***
1	78.00	9.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	32876
		10.000	69302
		25.000	172938
		50.000	331316
		100.000	654512
		250.000	1673389
		500.000	3220427

Qualifier Peak Analysis ON
Curve Fit: Linear, forced through origin

---

6) Methylene Chloride ( )

Ret. Time 3.44 min., Extract & Integrate from 3.13 to 3.97 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	84.00			*** METH DEFAULT ***
1	86.00	63.40	20.0	*** METH DEFAULT ***
2	49.10	146.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	12269
		10.000	24469
		25.000	59889
		50.000	114471
		100.000	240015
		250.000	590199
		500.000	1184737

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

7) trans-1,2-Dichloroethene ( )

Ret. Time 3.86 min., Extract & Integrate from 3.07 to 4.65 min.

AMH VP1262 07/20/2017

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	96.00			*** METH DEFAULT ***
Q1	61.00	157.40	20.0	*** METH DEFAULT ***
Q2	98.00	63.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	12077
2		10.000	23770
3		25.000	54486
4		50.000	103635
5		100.000	217377
6		250.000	546124
7		500.000	1093866

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

8) Hexane ( )

Ret. Time 4.34 min., Extract & Integrate from 4.03 to 4.66 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	57.10			*** METH DEFAULT ***
Q1	43.10	71.00	20.0	*** METH DEFAULT ***
Q2	86.20	17.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	11598
2		10.000	21011
3		25.000	54340
4		50.000	107312
5		100.000	214346
6		250.000	556894
7		500.000	1072379

Qualifier Peak Analysis ON
Curve Fit: Linear

---

9) 1,1-Dichloroethane ( )

Ret. Time 4.50 min., Extract & Integrate from 3.71 to 5.28 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	63.10			*** METH DEFAULT ***
Q1	65.10	31.50	25.0	*** METH DEFAULT ***
Q2	83.00	12.30	25.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	20638
2		10.000	41685
3		25.000	109231
4		50.000	204835
5		100.000	419886
6		250.000	1059298
7		500.000	2089018

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

10) cis-1,2-Dichloroethene ( )

Ret. Time 5.31 min., Extract & Integrate from 4.52 to 6.10 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	96.00			*** METH DEFAULT ***
Q1	61.00	141.90	20.0	*** METH DEFAULT ***
Q2	98.00	64.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response

2	10.000	25604
3	25.000	64918
4	50.000	123029
5	100.000	248315
6	250.000	632719
7	500.000	1272732

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

(1) 2-Butanone ( )

Ret. Time 5.37 min., Extract & Integrate from 5.05 to 6.10 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	72.10			*** METH DEFAULT ***
Q1	43.10	504.50	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
	5.000	1298
	10.000	3309
	25.000	8060
	50.000	12653
	100.000	32144
	250.000	75876
	500.000	167035

Qualifier Peak Analysis ON
Curve Fit: Linear

---

(2) Chloroform ( )

Ret. Time 5.73 min., Extract & Integrate from 4.95 to 6.52 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	83.00			*** METH DEFAULT ***
Q1	85.00	65.50	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
	5.000	18680
	10.000	41573
	25.000	104475
	50.000	197333
	100.000	407345
	250.000	1013269
	500.000	2027451

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

(3) Tetrahydrofuran ( )

Ret. Time 5.70 min., Extract & Integrate from 5.39 to 6.02 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	42.10			*** METH DEFAULT ***
Q1	72.10	35.30	20.0	*** METH DEFAULT ***
Q2	71.10	31.80	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
	5.000	2729
	10.000	7738
	25.000	19563
	50.000	35404
	100.000	72971
	250.000	194371
	500.000	395392

AMH VP1262 07/20/2017

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

14) 1,1,1-Trichloroethane ( )

Ret. Time 5.94 min., Extract & Integrate from 5.15 to 6.73 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	97.00			*** METH DEFAULT ***
Q1	99.00	65.50	20.0	*** METH DEFAULT ***
Q2	61.00	49.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	14180
2		10.000	33557
3		25.000	83642
4		50.000	155687
5		100.000	326326
6		250.000	837665
7		500.000	1628294

Qualifier Peak Analysis ON
Curve Fit: Linear

---

15) Carbon tetrachloride ( )

Ret. Time 6.15 min., Extract & Integrate from 5.94 to 6.57 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	116.90			*** METH DEFAULT ***
Q1	118.90	98.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	12481
2		10.000	24696
3		25.000	64256
4		50.000	129402
5		100.000	276874
6		250.000	726096
7		500.000	1421560

Qualifier Peak Analysis ON
Curve Fit: Linear

---

16) 1,2-Dichloroethane-d4 ( )

Ret. Time 6.31 min., Extract & Integrate from 5.99 to 6.73 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	65.00			*** METH DEFAULT ***
Q1	67.10	51.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		50.000	123421
2		50.000	125680
3		50.000	126146
4		50.000	122807
5		50.000	125861
6		50.000	121349
7		50.000	124968

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

17) Benzene ( )

Ret. Time 6.38 min., Extract & Integrate from 6.09 to 6.68 min.

		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	78.10			*** METH DEFAULT ***
Q1	77.10	24.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	46413
2		10.000	96423
3		25.000	246628
4		50.000	460481
5		100.000	951327
6		250.000	2399591
7		500.000	4809638

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

18) 1,2-Dichloroethane ( )

Ret. Time 6.39 min., Extract & Integrate from 6.08 to 6.92 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	62.10			*** METH DEFAULT ***
Q1	64.00	32.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	16158
		10.000	34092
		25.000	85633
		50.000	156289
		100.000	325667
		250.000	813281
		500.000	1637223

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

19) Trichloroethene ( )

Ret. Time 7.12 min., Extract & Integrate from 6.80 to 7.54 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	95.00			*** METH DEFAULT ***
Q1	97.00	64.30	20.0	*** METH DEFAULT ***
Q2	130.00	99.10	20.0	*** METH DEFAULT ***
Q3	131.90	94.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	12003
		10.000	23942
		25.000	62118
		50.000	120739
		100.000	255092
		250.000	649513
		500.000	1267364

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

20) 1,2-Dichloropropane ( )

Ret. Time 7.34 min., Extract & Integrate from 6.97 to 7.76 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	63.10			*** METH DEFAULT ***
	99.00	3.10	20.0	*** METH DEFAULT ***
	62.10	68.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	11528

AMH UP1262 07/20/2017

2	10.000	25205
3	25.000	60259
4	50.000	118247
5	100.000	247774
6	250.000	638242
7	500.000	1267442

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

21) Bromodichloromethane ( )

Ret. Time 7.65 min., Extract & Integrate from 7.23 to 8.10 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	83.00			*** METH DEFAULT ***
Q1	85.00	63.80	20.0	*** METH DEFAULT ***
Q2	126.90	7.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	15365
2		10.000	31287
3		25.000	78936
4		50.000	157292
5		100.000	310272
6		250.000	803309
7		500.000	1614843

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

22) Chlorobenzene-d5 (ISTD)

Ret. Time 9.82 min., Extract & Integrate from 9.52 to 10.12 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	117.00			*** METH DEFAULT ***
Q1	119.00	31.60	20.0	*** METH DEFAULT ***
Q2	82.10	56.90	20.0	*** METH DEFAULT ***
Q3	54.10	21.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		250.000	1608759
2		250.000	1630111
3		250.000	1660938
4		250.000	1606348
5		250.000	1647379
6		250.000	1614540
7		250.000	1644314

Qualifier Peak Analysis ON ISTD conc: 250.000 ng
Curve Fit: Avg. RF

---

23) cis-1,3-Dichloropropene ( )

Ret. Time 8.12 min., Extract & Integrate from 7.81 to 8.44 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	75.10			*** METH DEFAULT ***
Q1	77.10	31.40	20.0	*** METH DEFAULT ***
Q2	39.10	61.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	19955
2		10.000	39886
3		25.000	103038
4		50.000	190480
5		100.000	399645
6		250.000	1026398

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

24) 4-Methyl-2-pentanone ( )

Ret. Time 8.31 min., Extract & Integrate from 8.10 to 8.43 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	58.10			*** METH DEFAULT ***
Q1	43.10	288.90	20.0	*** METH DEFAULT ***
Q2	100.10	38.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	4478
2		10.000	9207
3		25.000	24276
4		50.000	45028
5		100.000	94543
6		250.000	240734
7		500.000	503746

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

25) Toluene-d8 ( )

Ret. Time 8.40 min., Extract & Integrate from 8.04 to 8.88 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	98.10			*** METH DEFAULT ***
Q1	100.20	65.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		50.000	401428
		50.000	412144
		50.000	421113
		50.000	414259
		50.000	419057
		50.000	406999
		50.000	412935

ualifier Peak Analysis ON
urve Fit: Avg. RF

---

6) Toluene ( )

et. Time 8.47 min., Extract & Integrate from 7.68 to 9.25 min.

ignal		Rel Resp.	Pct. Unc.(rel)	Integration
gt	92.10			*** METH DEFAULT ***
l	91.10	177.80	20.0	*** METH DEFAULT ***

l	ID	Conc (ng)	Response
		5.000	28266
		10.000	56800
		25.000	149094
		50.000	278949
		100.000	582717
		250.000	1482438
		500.000	2972700

alifier Peak Analysis ON
rve Fit: Avg. RF

) trans-1,3-Dichloropropene ( )

AMH VP1262 07/20/2017

Ret. Time 8.69 min., Extract & Integrate from 8.37 to 9.01 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 75.10			*** METH DEFAULT ***
Q1 110.00	23.00	20.0	*** METH DEFAULT ***
Q2 77.10	31.80	20.0	*** METH DEFAULT ***
Q3 39.10	59.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	18341
2		10.000	36092
3		25.000	96074
4		50.000	178756
5		100.000	368327
6		250.000	938086
7		500.000	1944433

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

28) 1,1,2-Trichloroethane ( )

Ret. Time 8.87 min., Extract & Integrate from 8.66 to 9.19 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 83.00			*** METH DEFAULT ***
Q1 97.00	114.00	20.0	*** METH DEFAULT ***
Q2 85.00	63.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	9840
2		10.000	19722
3		25.000	51791
4		50.000	94324
5		100.000	191184
6		250.000	485871
7		500.000	974359

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

29) Tetrachloroethene ( )

Ret. Time 9.03 min., Extract & Integrate from 8.61 to 9.34 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 163.90			*** METH DEFAULT ***
Q1 128.90	92.30	20.0	*** METH DEFAULT ***
Q2 130.90	86.10	20.0	*** METH DEFAULT ***
Q3 165.90	129.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	9159
2		10.000	18790
3		25.000	44693
4		50.000	90370
5		100.000	181526
6		250.000	473620
7		500.000	936345

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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30) 2-Hexanone ( )

Ret. Time 9.15 min., Extract & Integrate from 8.83 to 9.57 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 43.10			*** METH DEFAULT ***

Q2	100.10	9.60	20.0	*** METH DEFAULT ***
Q3	57.10	16.40	20.0	*** METH DEFAULT ***
				*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	11403
2		10.000	18494
3		25.000	50138
4		50.000	89777
5		100.000	181663
6		250.000	479581
7		500.000	977325

Qualifier Peak Analysis ON
Curve Fit: Linear

---

31) Dibromochloromethane ( )

Ret. Time 9.26 min., Extract & Integrate from 8.94 to 9.63 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	128.90			*** METH DEFAULT ***
Q1	126.90	77.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	11271
2		10.000	24970
3		25.000	59984
4		50.000	116440
5		100.000	236900
6		250.000	627449
7		500.000	1303179

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

32) 1,2-Dibromoethane ( )

Ret. Time 9.36 min., Extract & Integrate from 8.58 to 10.15 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	107.00			*** METH DEFAULT ***
Q1	109.00	94.80	20.0	*** METH DEFAULT ***
Q2	187.90	4.00	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	10500
		10.000	23248
		25.000	58719
		50.000	112175
		100.000	233163
		250.000	594847
		500.000	1210234

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

33) Chlorobenzene ( )

Ret. Time 9.87 min., Extract & Integrate from 9.55 to 10.19 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	112.10			*** METH DEFAULT ***
Q1	77.10	63.20	20.0	*** METH DEFAULT ***
Q2	114.00	31.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	31954
		10.000	71298

AMH UP1262 07/20/2017

3	25.000	167257
4	50.000	327123
5	100.000	655846
6	250.000	1694042
7	500.000	3400385

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

34) Ethylbenzene ( )

Ret. Time 9.99 min., Extract & Integrate from 9.79 to 10.12 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 91.10			*** METH DEFAULT ***
Q1 106.10	29.20	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	5.000	52140
2	10.000	108166
3	25.000	289396
4	50.000	541593
5	100.000	1106994
6	250.000	2872812
7	500.000	5827493

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

---

35) m- &/or p-Xylene ( )

Ret. Time 10.12 min., Extract & Integrate from 10.01 to 10.38 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 106.10			*** METH DEFAULT ***
Q1 91.10	212.70	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	5.000	19366
2	10.000	41921
3	25.000	106254
4	50.000	205259
5	100.000	418570
6	250.000	1071630
7	500.000	2179551

Qualifier Peak Analysis ON
Curve Fit: Linear

---

36) o-Xylene ( )

Ret. Time 10.51 min., Extract & Integrate from 10.30 to 10.72 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 106.10			*** METH DEFAULT ***
Q1 91.10	218.90	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	5.000	20893
2	10.000	41835
3	25.000	107520
4	50.000	206147
5	100.000	416642
6	250.000	1079462
7	500.000	2191662

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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37) Styrene ( )

Ret. Time 10.52 min., Extract & Integrate from 10.31 to 10.83 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	104.10			*** METH DEFAULT ***
Q1	78.10	53.20	20.0	*** METH DEFAULT ***
Q2	103.10	54.20	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	33893
2		10.000	70474
3		25.000	177118
4		50.000	340828
5		100.000	706962
6		250.000	1861131
7		500.000	3835735

Qualifier Peak Analysis ON
Curve Fit: Linear

---

38) Bromoform ( )

Ret. Time 10.68 min., Extract & Integrate from 10.36 to 10.99 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	172.90			*** METH DEFAULT ***
Q1	174.90	48.90	20.0	*** METH DEFAULT ***
Q2	253.80	12.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	8691
2		10.000	16876
3		25.000	43868
4		50.000	86236
5		100.000	181396
6		250.000	469880
7		500.000	987037

Qualifier Peak Analysis ON
Curve Fit: Linear

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39) 1,4-Dichlorobenzene-d4 (ISTD)

Ret. Time 12.15 min., Extract & Integrate from 11.85 to 12.45 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	152.00			*** METH DEFAULT ***
Q1	150.00	156.90	20.0	*** METH DEFAULT ***
Q2	115.00	58.30	20.0	*** METH DEFAULT ***
Q3	78.00	37.80	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		250.000	841814
		250.000	868326
		250.000	874755
		250.000	852674
		250.000	868382
		250.000	875533
		250.000	900857

Qualifier Peak Analysis ON ISTD conc: 250.000 ng
Curve Fit: Avg. RF

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40) Isopropylbenzene ( )

Ret. Time 10.88 min., Extract & Integrate from 10.56 to 11.19 min.

AMH UP1262 07/20/2017

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 105.10			*** METH DEFAULT ***
Q1 120.10	25.60	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	5.000	48978
2	10.000	100562
3	25.000	268732
4	50.000	509206
5	100.000	1062081
6	250.000	2763230
7	500.000	5610307

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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41) 4-Bromofluorobenzene ( )

Ret. Time 11.02 min., Extract & Integrate from 10.81 to 11.23 min.

Signal	Rel Resp.	Pct. Unc.(abs)	Integration
Tgt 174.00			*** METH DEFAULT ***
Q1 95.10	120.40	20.0	*** METH DEFAULT ***
Q2 176.00	95.10	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	50.000	137720
2	50.000	138654
3	50.000	137748
4	50.000	137868
5	50.000	137417
6	50.000	134749
7	50.000	139858

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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42) 1,1,2,2-Tetrachloroethane ( )

Ret. Time 11.16 min., Extract & Integrate from 10.95 to 11.42 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 83.00			*** METH DEFAULT ***
Q1 131.00	9.40	20.0	*** METH DEFAULT ***
Q2 85.00	63.70	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	5.000	13464
2	10.000	28084
3	25.000	69170
4	50.000	128146
5	100.000	259561
6	250.000	696564
7	500.000	1451384

Qualifier Peak Analysis ON
Curve Fit: Linear

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43) n-Propylbenzene ( )

Ret. Time 11.29 min., Extract & Integrate from 10.97 to 11.55 min.

Signal	Rel Resp.	Pct. Unc.(rel)	Integration
Tgt 91.10			*** METH DEFAULT ***
Q1 120.10	21.50	20.0	*** METH DEFAULT ***

Lvl ID	Conc (ng)	Response
1	5.000	58800
2	10.000	122499

4	50.000	609433
5	100.000	1262718
6	250.000	3295268
7	500.000	6702362

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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44) 1,3,5-Trimethylbenzene ( )

Ret. Time 11.47 min., Extract & Integrate from 11.31 to 11.78 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	105.10			*** METH DEFAULT ***
Q1	120.10	47.60	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	40839
2		10.000	88022
3		25.000	229023
4		50.000	428912
5		100.000	892667
6		250.000	2344805
7		500.000	4794012

Qualifier Peak Analysis ON
Curve Fit: Linear

---

45) 1,2,4-Trimethylbenzene ( )

Ret. Time 11.84 min., Extract & Integrate from 11.52 to 12.15 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	105.10			*** METH DEFAULT ***
Q1	120.10	44.50	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	43747
2		10.000	85061
3		25.000	226005
4		50.000	440534
5		100.000	910541
6		250.000	2372272
7		500.000	4872647

Qualifier Peak Analysis ON
Curve Fit: Linear

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6) Isobutylbenzene ( )

Ret. Time 11.98 min., Extract & Integrate from 11.65 to 12.29 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	91.10			*** METH DEFAULT ***
Q1	92.10	54.70	20.0	*** METH DEFAULT ***
Q2	134.10	25.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	40147
		10.000	83359
		25.000	216191
		50.000	425231
		100.000	876415
		250.000	2310861
		500.000	4691866

Qualifier Peak Analysis ON
Curve Fit: Linear

AMH VP1262 07/20/2017

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47) 1,3-Dichlorobenzene ( )

Ret. Time 12.10 min., Extract & Integrate from 11.89 to 12.31 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	146.00			*** METH DEFAULT ***
Q1	111.00	39.10	20.0	*** METH DEFAULT ***
Q2	148.00	64.30	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	25449
2		10.000	51464
3		25.000	129061
4		50.000	257428
5		100.000	523285
6		250.000	1338765
7		500.000	2720167

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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48) 1,4-Dichlorobenzene ( )

Ret. Time 12.19 min., Extract & Integrate from 12.14 to 12.40 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	146.00			*** METH DEFAULT ***
Q1	111.00	38.30	20.0	*** METH DEFAULT ***
Q2	148.00	64.40	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	25141
2		10.000	54727
3		25.000	136191
4		50.000	259842
5		100.000	522796
6		250.000	1350926
7		500.000	2746479

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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49) 1,2-Dichlorobenzene ( )

Ret. Time 12.56 min., Extract & Integrate from 12.30 to 12.77 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	146.00			*** METH DEFAULT ***
Q1	111.00	39.40	25.0	*** METH DEFAULT ***
Q2	148.00	63.70	25.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	26563
2		10.000	53035
3		25.000	131330
4		50.000	247271
5		100.000	518995
6		250.000	1312829
7		500.000	2704370

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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50) 1,2-Dibromo-3-chloropropane ( )

Ret. Time 13.33 min., Extract & Integrate from 13.07 to 13.59 min.

				Integration
Tgt	75.10			
Q1	155.00	77.70	20.0	*** METH DEFAULT ***
Q2	157.00	100.00	20.0	*** METH DEFAULT ***
				*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	2813
2		10.000	6218
3		25.000	14979
4		50.000	29788
5		100.000	58550
6		250.000	148191
7		500.000	305702

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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51) 1,2,4-Trichlorobenzene ( )

Ret. Time 14.17 min., Extract & Integrate from 13.85 to 14.38 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	180.00			*** METH DEFAULT ***
Q1	182.00	93.20	20.0	*** METH DEFAULT ***
Q2	145.00	28.90	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	17485
2		10.000	35548
3		25.000	85148
4		50.000	166024
5		100.000	347152
6		250.000	896763
7		500.000	1868882

Qualifier Peak Analysis ON
Curve Fit: Avg. RF

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52) Hexachlorobutadiene ( )

Ret. Time 14.36 min., Extract & Integrate from 14.04 to 14.57 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	224.90			*** METH DEFAULT ***
Q1	222.90	64.30	20.0	*** METH DEFAULT ***
Q2	226.90	65.70	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
		5.000	7005
		10.000	14123
		25.000	36798
		50.000	70131
		100.000	149288
		250.000	390288
		500.000	779624

Qualifier Peak Analysis ON
Curve Fit: Linear

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53) Naphthalene ( )

Ret. Time 14.41 min., Extract & Integrate from 14.09 to 14.72 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	128.10			*** METH DEFAULT ***
	127.10	12.60	20.0	*** METH DEFAULT ***
	102.10	8.50	20.0	*** METH DEFAULT ***

Lvl ID Conc (ng) Response

AMH VP1252 07/20/2017

1	5.000	45572
2	10.000	90564
3	25.000	235948
4	50.000	462534
5	100.000	980340
6	250.000	2568432
7	500.000	5402002

Qualifier Peak Analysis ON
Curve Fit: Linear

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54) 1,2,3-Trichlorobenzene ( )

Ret. Time 14.65 min., Extract & Integrate from 14.33 to 14.97 min.

Signal		Rel Resp.	Pct. Unc.(rel)	Integration
Tgt	180.00			*** METH DEFAULT ***
Q1	182.00	95.00	20.0	*** METH DEFAULT ***
Q2	145.00	31.10	20.0	*** METH DEFAULT ***

Lvl	ID	Conc (ng)	Response
1		5.000	16422
2		10.000	33353
3		25.000	87826
4		50.000	167931
5		100.000	349600
6		250.000	901427
7		500.000	1893563

Qualifier Peak Analysis ON
Curve Fit: Linear

END OF DATA ANALYSIS PARAMETERS

Wed Jul 05 13:00:30 2017