

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\

Data File : VU025061.D

Acq On : 29 Jun 2018 10:33

Operator : MD/SY

Sample : VSTD00540

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 23:21:16 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\SOMULM062918WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jun 29 23:18:31 2018

Response via : Initial Calibration

MSVOA U

ClientSampleId :

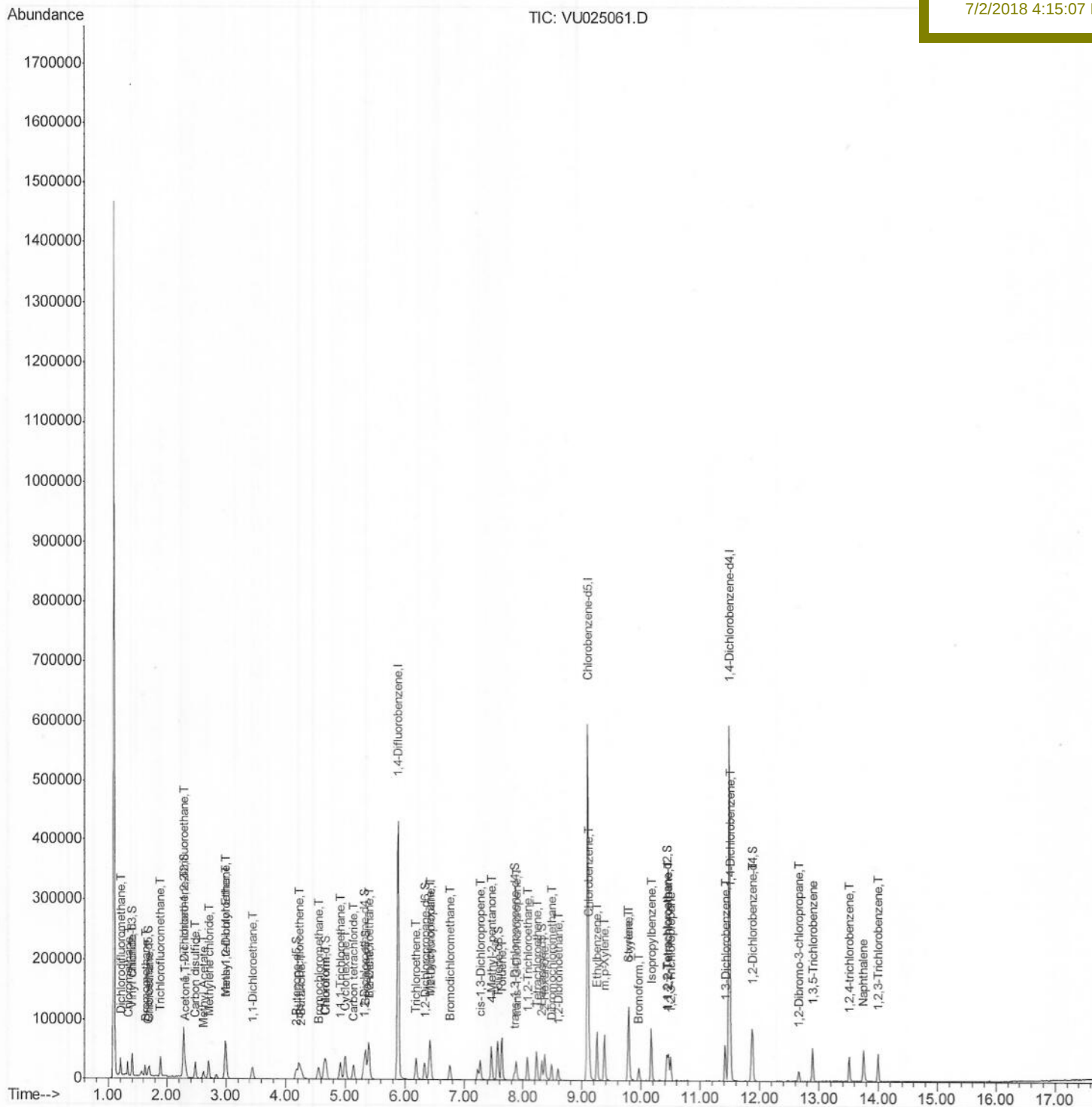
VSTD00540

Manual Integrations

APPROVED

apatel

7/2/2018 4:15:07 PM



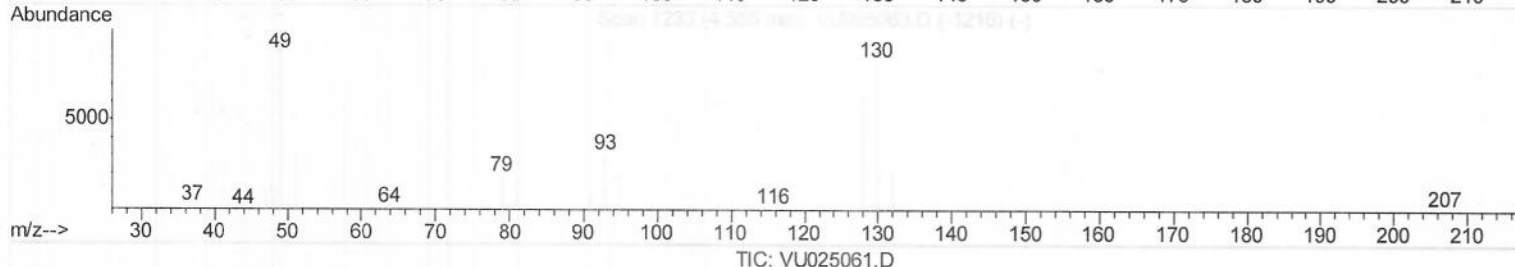
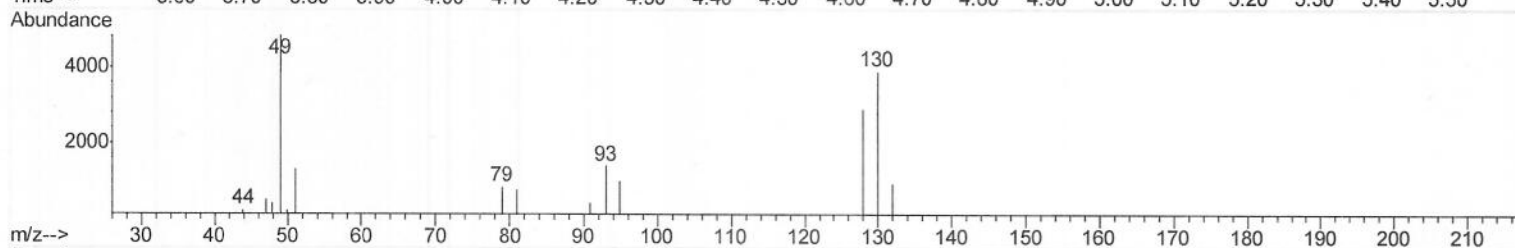
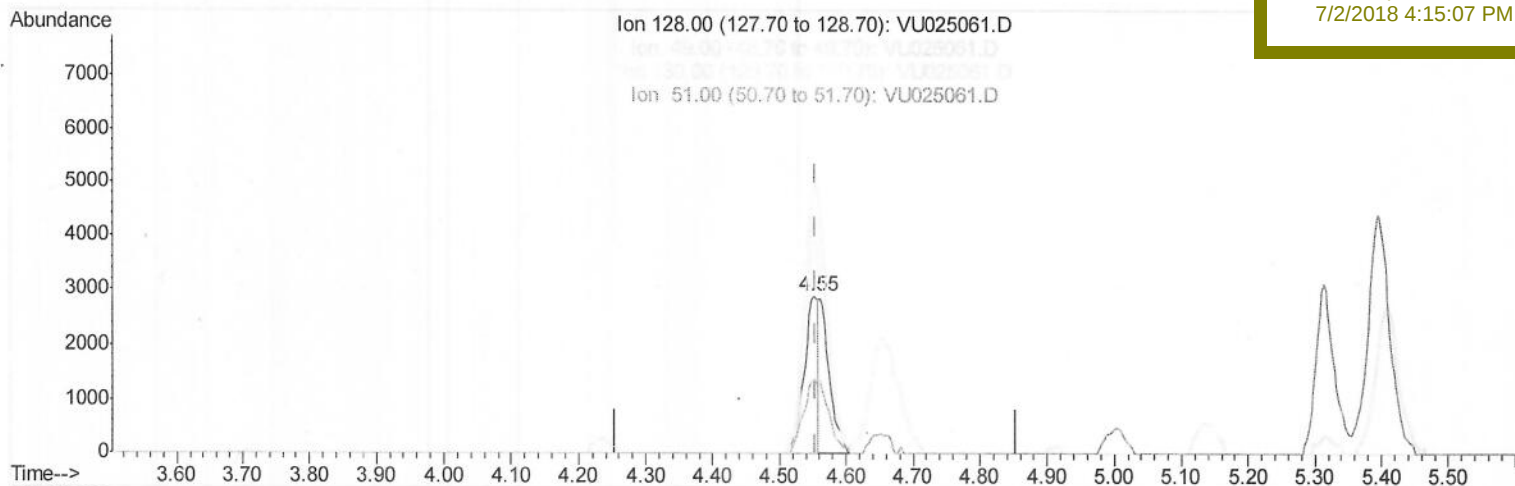
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025061.D
Acq On : 29 Jun 2018 10:33
Operator : MD/SY
Sample : VSTD00540
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 23:18:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 29 23:18:31 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00540

Manual Integrations
APPROVED

apatel
7/2/2018 4:15:07 PM



(23) Bromochloromethane (T)

4.551min (-0.003) 2.87ug/L

response 4167

Ion	Exp%	Act%
128.00	100	100
49.00	151.60	167.80
130.00	125.30	135.67
51.00	46.00	45.07

Quantitation Report (Qedit)

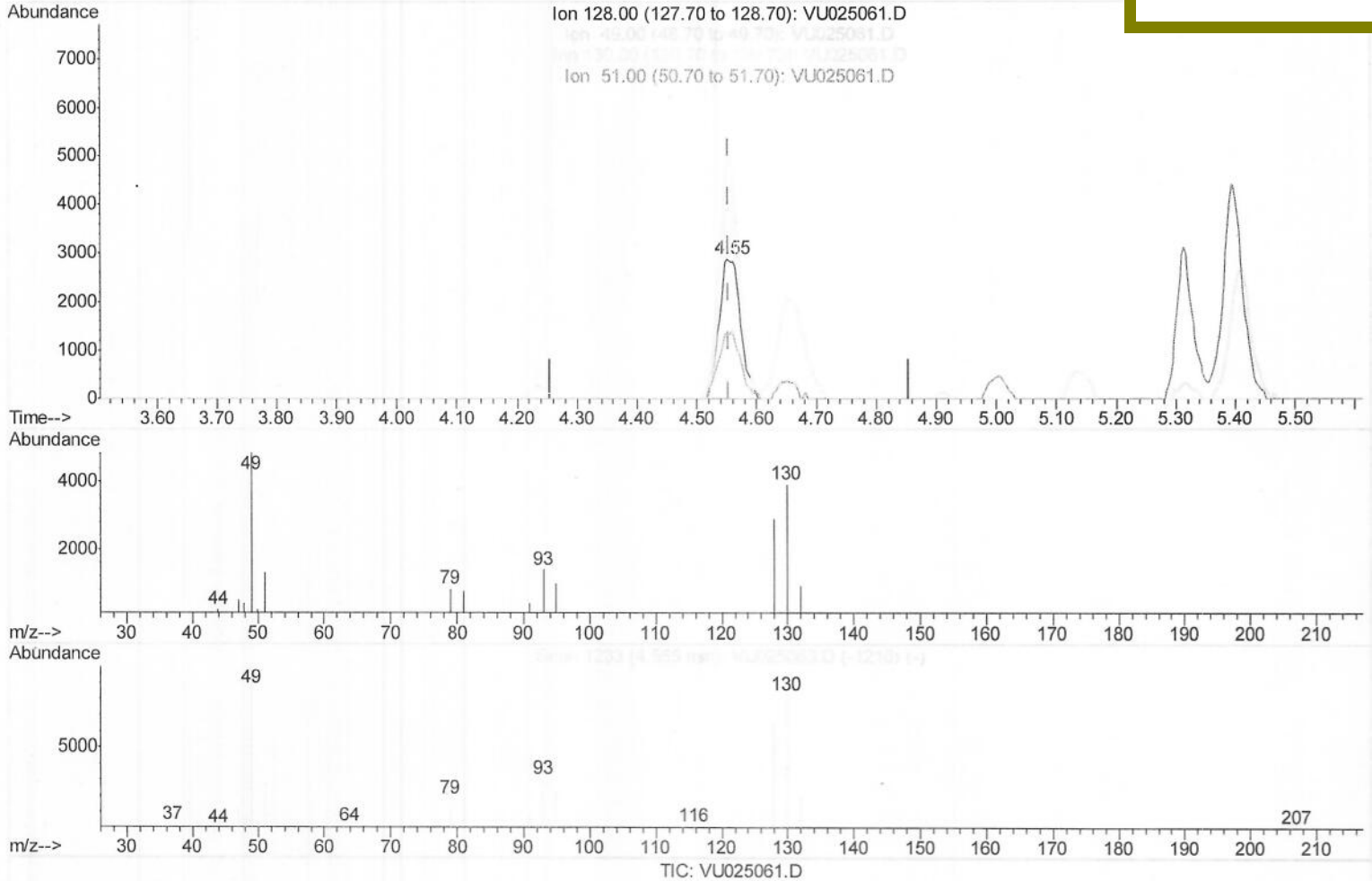
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025061.D
 Acq On : 29 Jun 2018 10:33
 Operator : MD/SY
 Sample : VSTD00540
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTD00540

Quant Time: Jun 29 23:18:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

apatel
 7/2/2018 4:15:07 PM



(23) Bromochloromethane (T)

4.551min (-0.003) 4.92ug/L m

response 7144

Ion	Exp%	Act%
128.00	100	100
49.00	151.60	167.80
130.00	125.30	135.67
51.00	46.00	45.07

MD
 07/09/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025061.D
 Acq On : 29 Jun 2018 10:33
 Operator : MD/SY
 Sample : VSTD00540
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VSTD00540

Manual Integrations
 APPROVED

apatel
 7/2/2018 4:15:07 PM

Quant Time: Jun 29 23:21:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	370102	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	324475	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	157080	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	11616	5.42	ug/L	0.00
7) Chloroethane-d5	1.68	69	9573	5.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	24982	5.75	ug/L	0.00
21) 2-Butanone-d5	4.18	46	18123	9.98	ug/L	0.00
24) Chloroform-d	4.65	84	23393	5.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	18192	6.48	ug/L	0.00
32) Benzene-d6	5.35	84	47553	5.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	14721	5.53	ug/L	0.00
41) Toluene-d8	7.57	98	45992	5.68	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6883	5.09	ug/L	0.00
47) 2-Hexanone-d5	8.32	63	11827	8.81	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	19492	5.03	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	17466	5.61	ug/L	0.00

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	16586	5.423	ug/L	98
3) Chloromethane	1.33	50	14361	5.336	ug/L	99
5) Vinyl chloride	1.40	62	14753	5.129	ug/L	99
6) Bromomethane	1.63	94	8108	5.786	ug/L	91
8) Chloroethane	1.70	64	8686	5.102	ug/L	97
9) Trichlorofluoromethane	1.89	101	21166	4.992	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12471	5.171	ug/L	95
12) 1,1-Dichloroethene	2.29	96	11271	5.098	ug/L	95
13) Acetone	2.32	43	21318	11.103	ug/L	99
14) Carbon disulfide	2.48	76	33271	4.681	ug/L	100
15) Methyl Acetate	2.62	43	14858	5.080	ug/L	93
16) Methylene chloride	2.71	84	13550	5.018	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	12506	5.049	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	42435	5.176	ug/L	98
19) 1,1-Dichloroethane	3.45	63	23522	5.105	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	14623	5.058	ug/L	94
22) 2-Butanone	4.27	43	21940	9.078	ug/L	96
23) Bromochloromethane	4.55	128	7144m	4.919	ug/L	99
25) Chloroform	4.68	83	24876	5.192	ug/L	99
27) 1,2-Dichloroethane	5.41	62	20964	5.595	ug/L	93
29) Cyclohexane	5.00	56	21571	5.345	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	22259	5.540	ug/L	100
31) Carbon tetrachloride	5.14	117	18190	4.980	ug/L	96
33) Benzene	5.39	78	50331	5.250	ug/L	100
34) Trichloroethene	6.19	95	12993	4.928	ug/L	92
35) Methylcyclohexane	6.42	83	22894	5.394	ug/L	97
37) 1,2-Dichloropropane	6.44	63	13397	5.047	ug/L	92
38) Bromodichloromethane	6.76	83	16821	4.806	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	19898	4.743	ug/L	93
40) 4-Methyl-2-pentanone	7.46	43	36759	9.363	ug/L	99

MD
 07/09/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
 Data File : VU025061.D
 Acq On : 29 Jun 2018 10:33
 Operator : MD/SY
 Sample : VSTD00540
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00540

Quant Time: Jun 29 23:21:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 29 23:18:31 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

apatel
 7/2/2018 4:15:07 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	52789	4.959	ug/L	97
44) trans-1,3-Dichloropropene	7.89	75	18773	4.927	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	12428	4.960	ug/L	97
46) Tetrachloroethene	8.23	164	11159	5.040	ug/L	96
48) 2-Hexanone	8.37	43	27953	8.808	ug/L	99
49) Dibromochloromethane	8.48	129	13239	4.361	ug/L	98
50) 1,2-Dibromoethane	8.59	107	13671	4.984	ug/L #	96
51) Chlorobenzene	9.12	112	35890	5.056	ug/L	98
52) Ethylbenzene	9.26	91	57891	4.755	ug/L	97
53) m,p-Xylene	9.38	106	22218	4.742	ug/L	99
54) o-xylene	9.78	106	22274	4.796	ug/L	93
55) Styrene	9.80	104	34887	4.464	ug/L	97
56) Isopropylbenzene	10.17	105	58539	4.784	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	19727	4.595	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	16417	4.838	ug/L	100
61) Bromoform	9.96	173	9803	4.328	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	25826	4.884	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	26383	4.967	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	27211	5.067	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	3955	4.228	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	18362	4.442	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	13752	4.031	ug/L	96
69) Naphthalene	13.75	128	48586	4.945	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	16101	4.600	ug/L	96

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