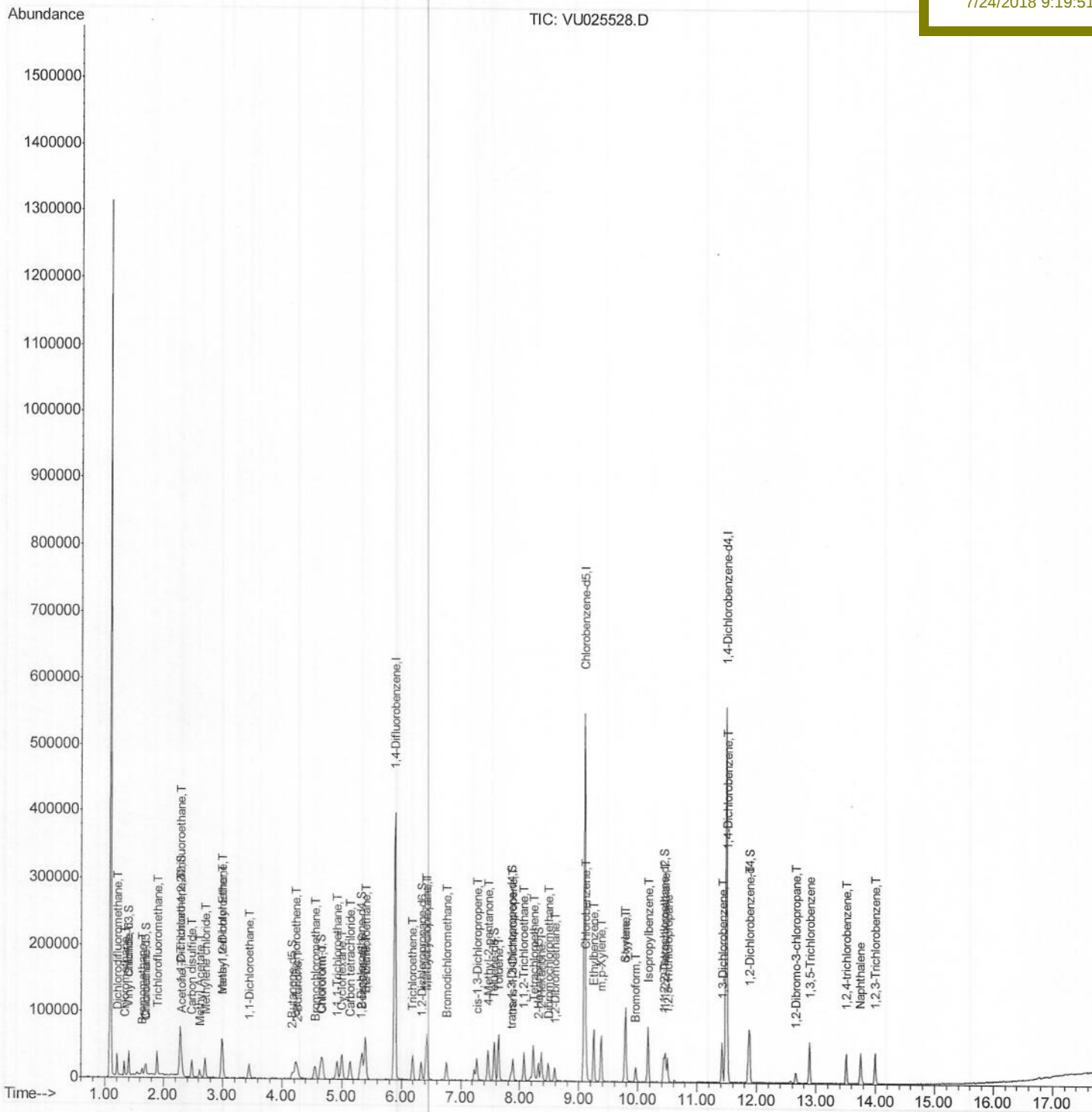


Quant Time: Jul 21 00:59:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 00:55:40 2018
Response via : Initial Calibration

Manual Integrations APPROVED

7/24/2018 9:19:51 AM sam



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\

Data File : VU025528.D

Acq On : 20 Jul 2018 09:19

Operator : MD/SY

Sample : VSTD00553

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 21 00:56:02 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Jul 21 00:55:40 2018

Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

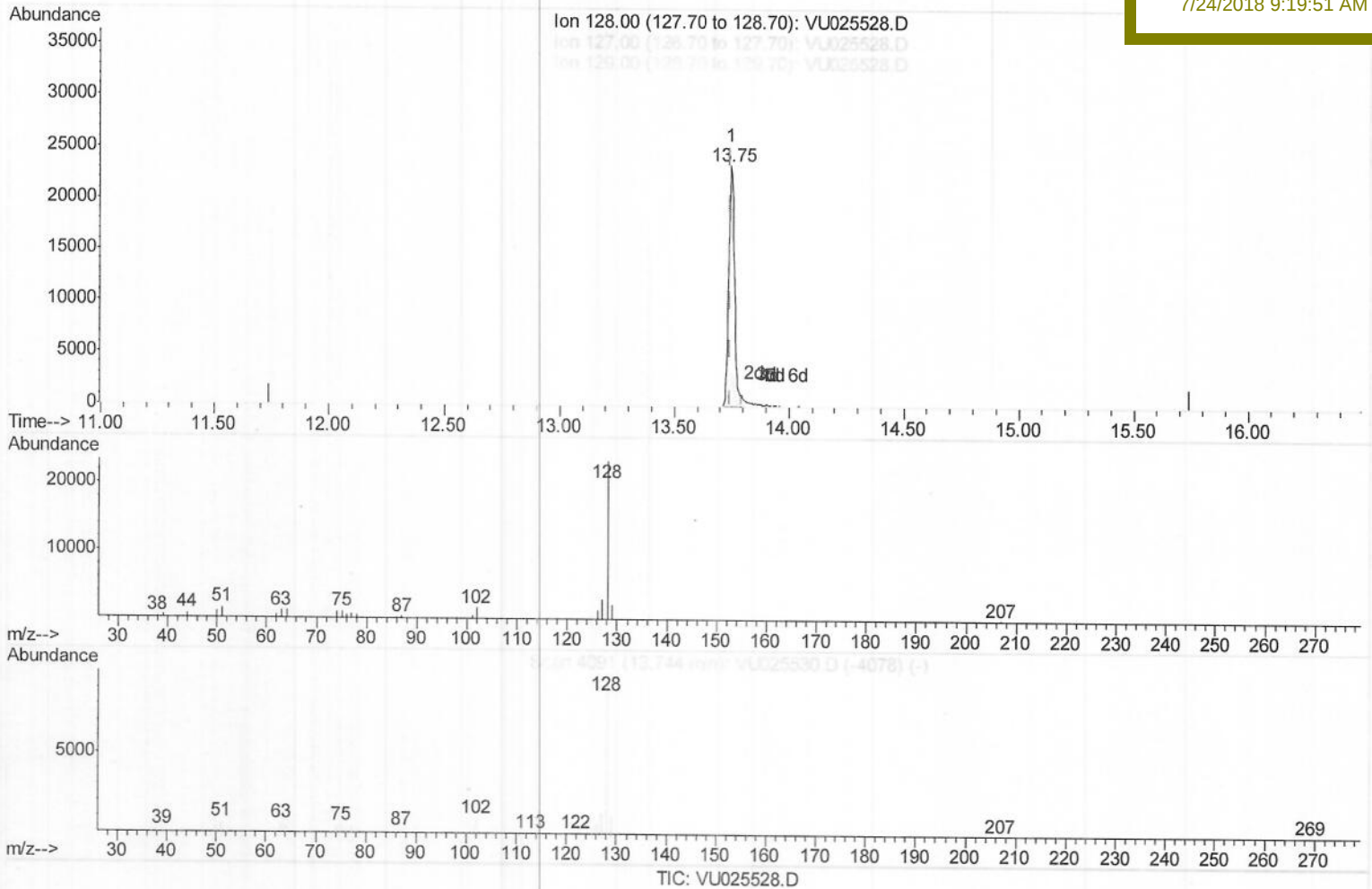
VSTD00553

Manual Integrations

APPROVED

sam

7/24/2018 9:19:51 AM



(69) Naphthalene

13.747min (+0.003) 3.55ug/L

response 38984

Ion	Exp%	Act%
128.00	100	100
127.00	12.80	13.01
129.00	10.50	10.34
0.00	0.00	0.00

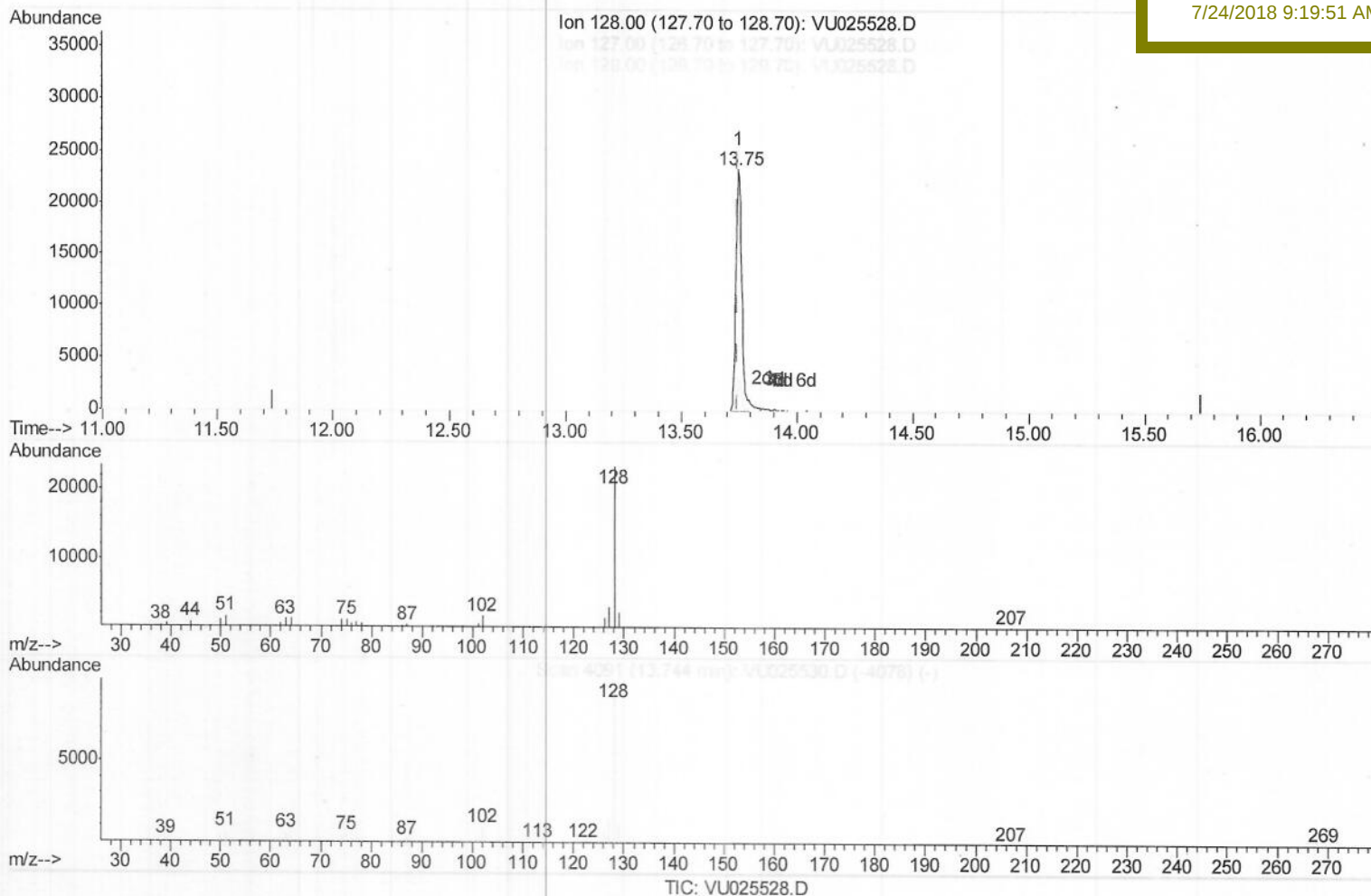
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
Data File : VU025528.D
Acq On : 20 Jul 2018 09:19
Operator : MD/SY
Sample : VSTD00553
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 21 00:56:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 21 00:55:40 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

Manual Integrations
APPROVED

sam
7/24/2018 9:19:51 AM



(69) Naphthalene

13.747min (+0.003) 3.70ug/L m

response 40671

Ion	Exp%	Act%
128.00	100	100
127.00	12.80	12.47
129.00	10.50	9.91
0.00	0.00	0.00

MD
07/24/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025528.D
 Acq On : 20 Jul 2018 09:19
 Operator : MD/SY
 Sample : VSTD00553
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Manual Integrations
 APPROVED

sam
 7/24/2018 9:19:51 AM

Quant Time: Jul 21 00:59:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 00:55:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	334229	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	301557	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	145249	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	9752	5.96	ug/L	0.00
7) Chloroethane-d5	1.69	69	8528	6.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	20441	5.71	ug/L	0.00
21) 2-Butanone-d5	4.18	46	13841	8.49	ug/L	0.00
24) Chloroform-d	4.65	84	21671	5.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	14860	5.34	ug/L	0.00
32) Benzene-d6	5.35	84	39272	5.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	13048	5.40	ug/L	0.00
41) Toluene-d8	7.57	98	37750	5.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6241	4.95	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	9167	7.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	17275	4.84	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	15204	5.21	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	18455	6.425	ug/L	97
3) Chloromethane	1.33	50	13201	5.452	ug/L	93
5) Vinyl chloride	1.41	62	14266	5.761	ug/L	98
6) Bromomethane	1.63	94	3845	3.086	ug/L	89
8) Chloroethane	1.70	64	8308	5.596	ug/L	92
9) Trichlorofluoromethane	1.89	101	20430	5.634	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	10890	5.377	ug/L	96
12) 1,1-Dichloroethene	2.29	96	9844	5.372	ug/L	90
13) Acetone	2.32	43	22250	14.477	ug/L	100
14) Carbon disulfide	2.48	76	32944	5.551	ug/L	99
15) Methyl Acetate	2.62	43	13244	5.010	ug/L	92
16) Methylene chloride	2.71	84	12854	5.444	ug/L	96
17) trans-1,2-Dichloroethene	2.99	96	12064	5.636	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	37677	5.058	ug/L	98
19) 1,1-Dichloroethane	3.45	63	22616	5.327	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	13182	5.084	ug/L	98
22) 2-Butanone	4.27	43	21657	10.852	ug/L	98
23) Bromochloromethane	4.55	128	6893	5.286	ug/L	95
25) Chloroform	4.68	83	23832	5.350	ug/L	98
27) 1,2-Dichloroethane	5.41	62	19031	5.145	ug/L #	92
29) Cyclohexane	5.00	56	19199	5.484	ug/L	96
30) 1,1,1-Trichloroethane	4.92	97	19959	5.032	ug/L	95
31) Carbon tetrachloride	5.14	117	19687	5.622	ug/L	99
33) Benzene	5.39	78	47832	5.390	ug/L	100
34) Trichloroethene	6.19	95	12821	5.453	ug/L	96
35) Methylcyclohexane	6.42	83	19670	5.343	ug/L	100
37) 1,2-Dichloropropane	6.44	63	12962	5.323	ug/L #	92
38) Bromodichloromethane	6.76	83	16538	5.060	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	19042	5.041	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	31334	8.987	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072018\
 Data File : VU025528.D
 Acq On : 20 Jul 2018 09:19
 Operator : MD/SY
 Sample : VSTD00553
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VSTD00553

Quant Time: Jul 21 00:59:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 00:55:40 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sam
 7/24/2018 9:19:51 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	49551	5.209	ug/L	98
44) trans-1,3-Dichloropropene	7.89	75	17767	4.913	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	12637	5.461	ug/L	96
46) Tetrachloroethene	8.23	164	10515	5.239	ug/L	95
48) 2-Hexanone	8.36	43	28358	10.102	ug/L	97
49) Dibromochloromethane	8.48	129	13625	4.879	ug/L	98
50) 1,2-Dibromoethane	8.59	107	13132	5.165	ug/L	97
51) Chlorobenzene	9.12	112	34127	5.355	ug/L	96
52) Ethylbenzene	9.25	91	53297	5.016	ug/L	98
53) m,p-Xylene	9.38	106	19862	4.863	ug/L	100
54) o-xylene	9.78	106	21186	5.162	ug/L	97
55) Styrene	9.80	104	31802	4.695	ug/L	99
56) Isopropylbenzene	10.17	105	51856	4.861	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	19333	4.884	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	14797	4.648	ug/L	100
61) Bromoform	9.96	173	9882	4.969	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	24642	5.141	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	25787	5.305	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	25878	5.126	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4197	4.623	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	18702	5.005	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	14349	4.355	ug/L	99
69) Naphthalene	13.75	128	40671m)	3.701	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	15581	4.441	ug/L	98

> MD
 07/24/18

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