

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051619\

Data File : VU032044.D

Acq On : 16 May 2019 13:04

Operator : JC/SP

Sample : VSTD00508

Misc : 25.0mL/MSVOA U/WATER

ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 08:54:34 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M

Quant Title : TRACE VOA SOM01.0

Qlast Update : Fri May 17 02:13:58 2019

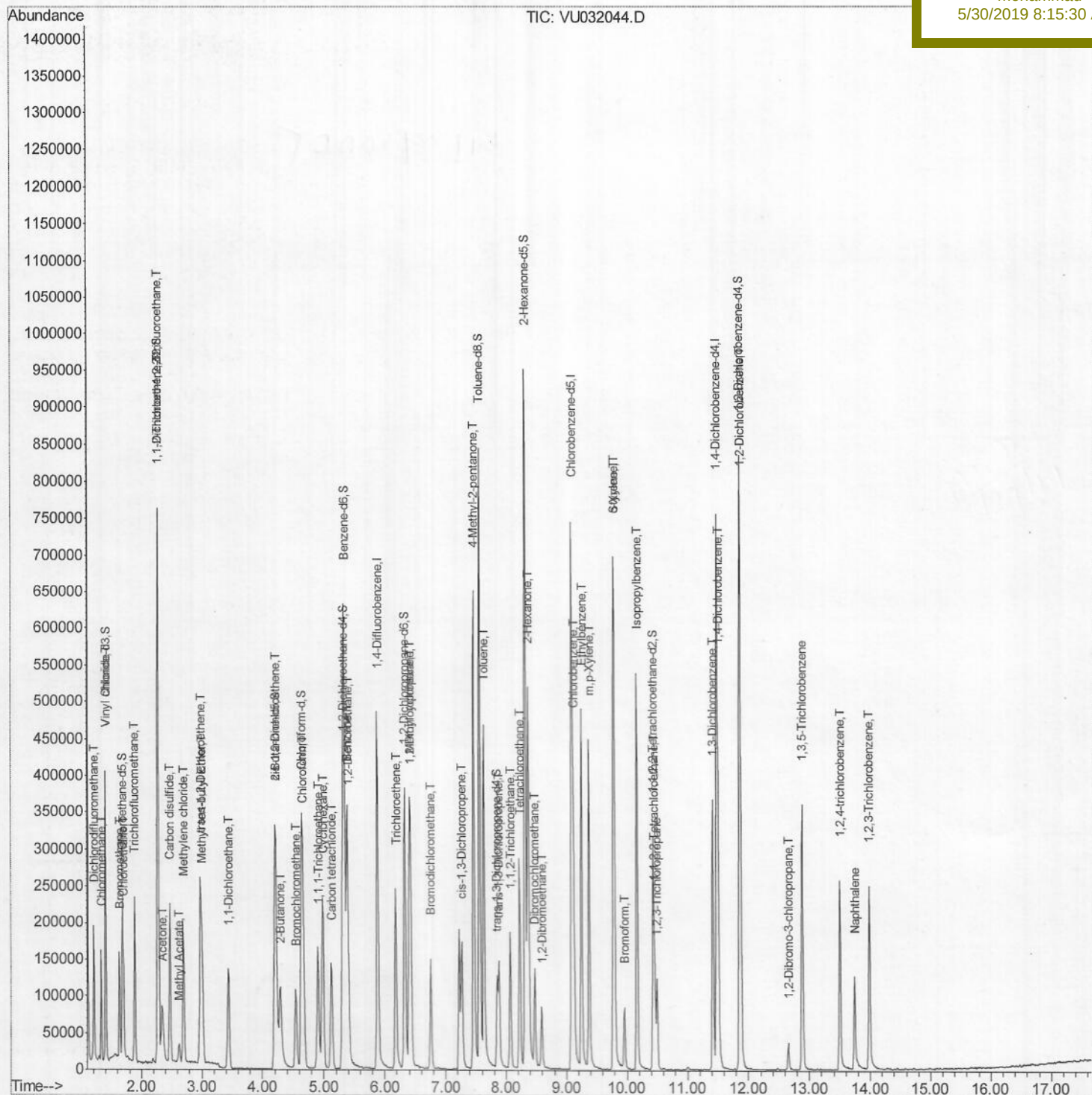
Response via : Initial Calibration

Instrument :

MSVOA_U

Client Sample ID :

VSTD00508

Manual Integrations
APPROVEDmohammad
5/30/2019 8:15:30 AM

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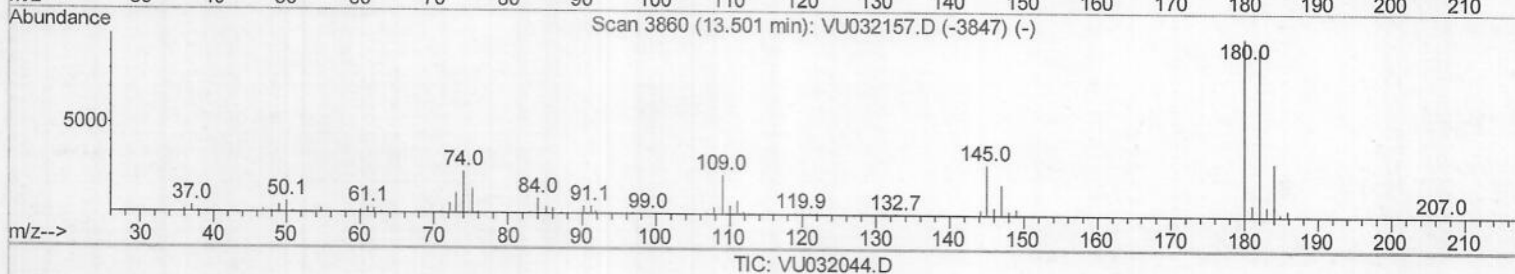
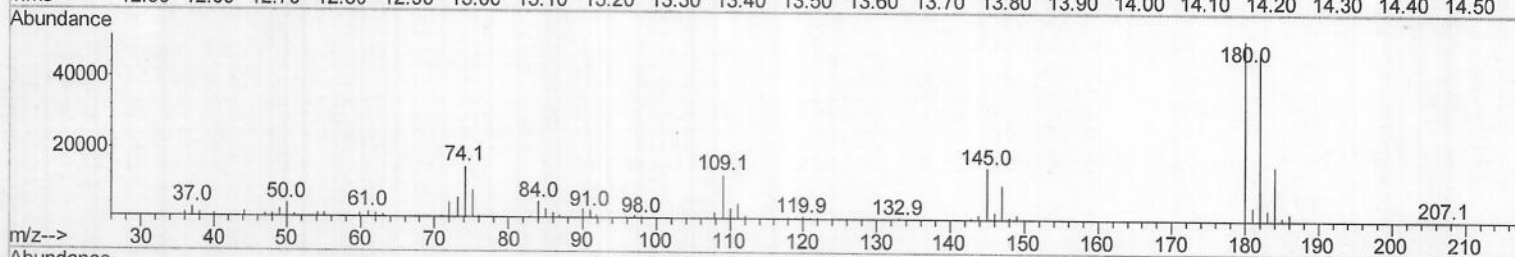
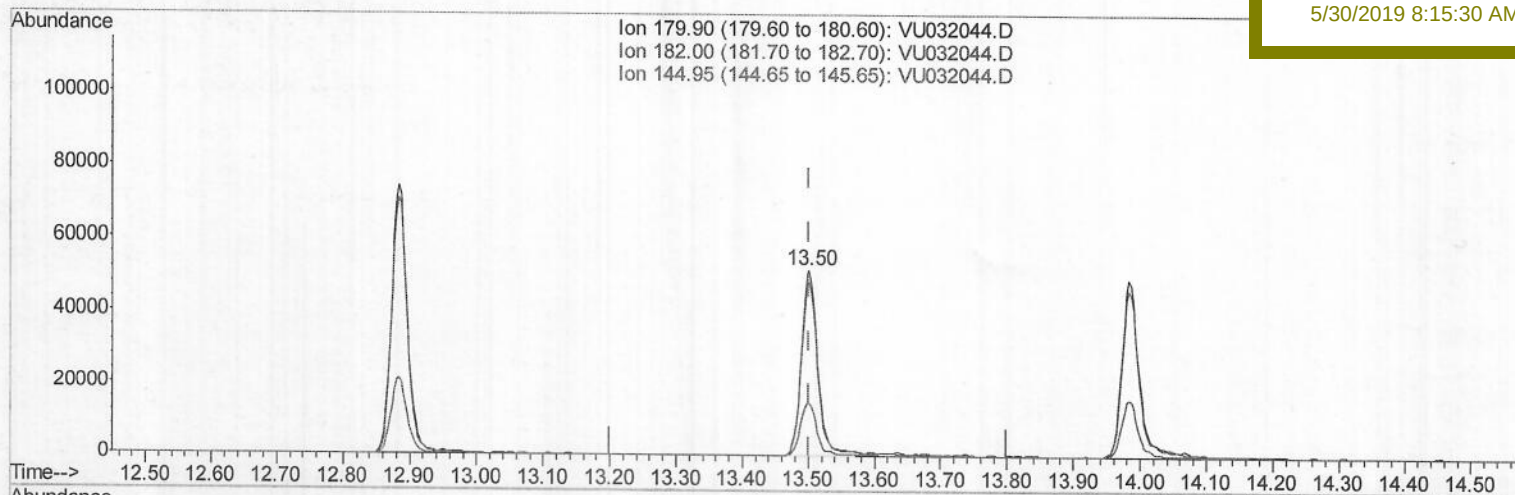
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Manual Integrations
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5/30/2019 8:15:30 AM

(68) 1,2,4-trichlorobenzene (T)

13.501min (0.000) 5.56ug/L m

response 88237

Ion	Exp%	Act%
179.90	100	100
182.00	98.00	96.29
144.95	29.40	28.88
0.00	0.00	0.00

M.D
5/29/19

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Operator : JC/SP

Sample : VSTD00508

Misc : 25.0mL/MSVOA U/WATER

ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 29 09:22:38 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed May 29 09:03:42 2019

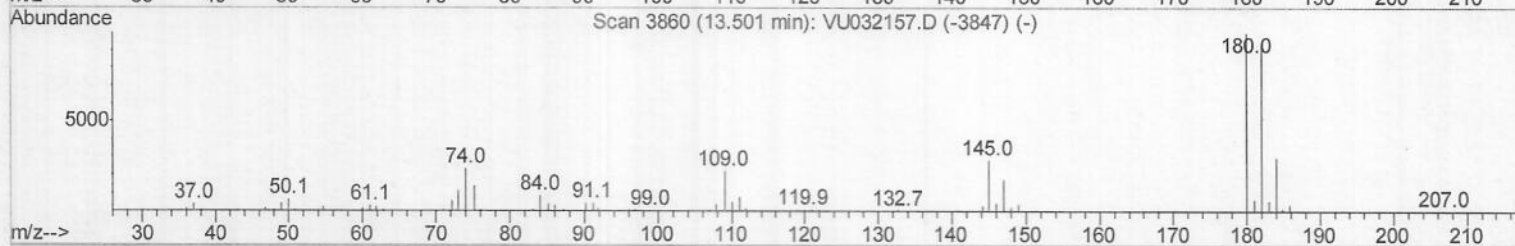
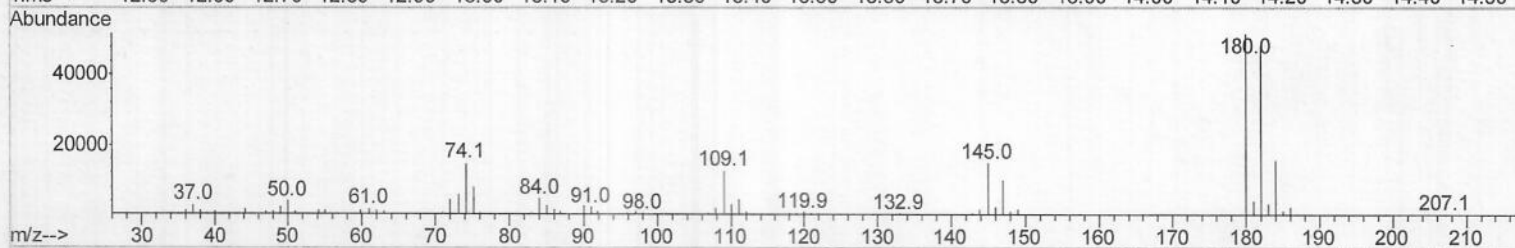
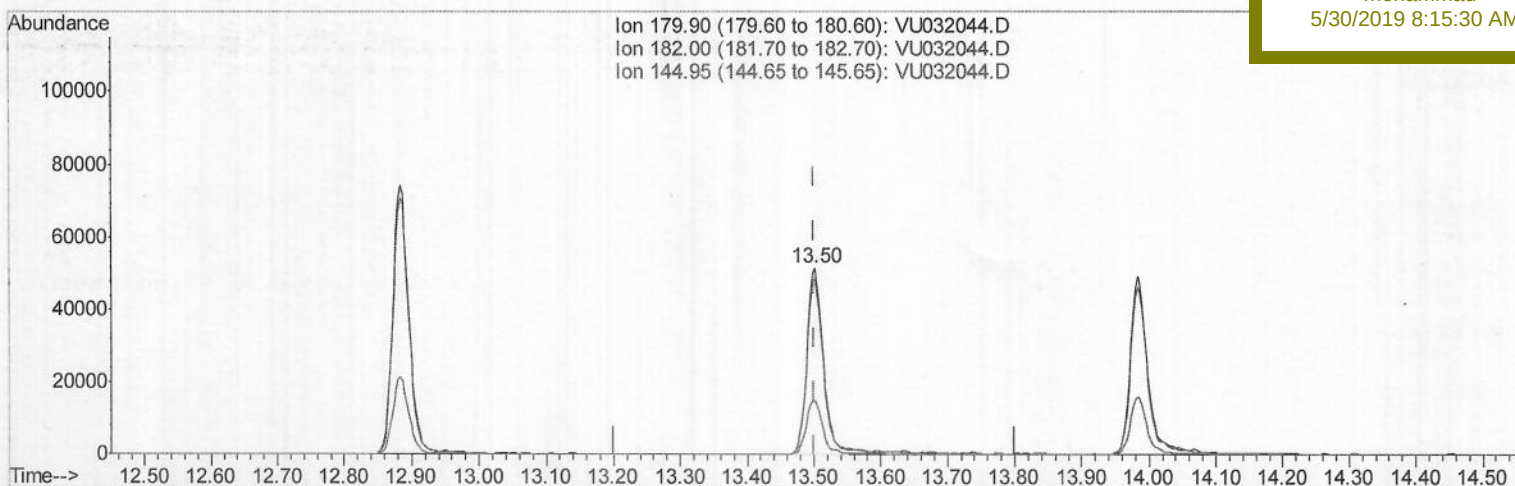
Response via : Initial Calibration

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Manual Integrations
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5/30/2019 8:15:30 AM

TIC: VU032044.D

(68) 1,2,4-trichlorobenzene (T)

13.501min (-0.000) 5.21ug/L

response 86664

Ion	Exp%	Act%
179.90	100	100
182.00	98.00	98.04
144.95	29.40	29.41
0.00	0.00	0.00

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 Operator : JC/SP
 Sample : VSTD00508
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00508

Quant Time: May 29 08:54:34 2019
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	432008	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	438328	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	193792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	180509	4.46	ug/L	0.00
7) Chloroethane-d5	1.68	69	153506	4.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	296149	4.72	ug/L	0.00
20) 2-Butanone-d5	4.20	46	373324	42.98	ug/L	0.00
24) Chloroform-d	4.64	84	320711	4.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	162796	4.87	ug/L	0.00
32) Benzene-d6	5.33	84	673725	4.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	194365	4.48	ug/L	0.00
41) Toluene-d8	7.56	98	605646	4.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	70833	4.80	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	339017	48.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	160047	4.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	211129	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	112029	5.230	ug/L 100
3) Chloromethane	1.32	50	98362	4.046	ug/L 100
5) Vinyl chloride	1.40	62	107453	4.526	ug/L 100
6) Bromomethane	1.63	94	61902	4.904	ug/L 100
8) Chloroethane	1.70	64	64136	4.107	ug/L 100
9) Trichlorofluoromethane	1.88	101	134959	5.169	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	87430	5.111	ug/L 100
12) 1,1-Dichloroethene	2.28	96	85958	5.071	ug/L 100
13) Acetone	2.34	43	114166	41.870	ug/L 100
14) Carbon disulfide	2.47	76	273158	4.706	ug/L 100
15) Methyl Acetate	2.62	43	30649	3.856	ug/L 100
16) Methylene chloride	2.69	84	96235	4.826	ug/L 100
17) Methyl tert-butyl Ether	3.00	73	201281	4.856	ug/L 100
18) trans-1,2-Dichloroethene	2.97	96	93635	5.016	ug/L 100
19) 1,1-Dichloroethane	3.44	63	148364	4.695	ug/L 100
21) 2-Butanone	4.29	43	176943	42.473	ug/L 100
22) cis-1,2-Dichloroethene	4.22	96	91988	4.944	ug/L 100
23) Bromochloromethane	4.55	128	38558	4.816	ug/L 100
25) Chloroform	4.67	83	158287	4.887	ug/L 100
27) 1,2-Dichloroethane	5.40	62	92390	4.917	ug/L 100
29) 1,1,1-Trichloroethane	4.91	97	124381	4.972	ug/L 100
30) Cyclohexane	4.98	56	116363	4.270	ug/L 100
31) Carbon tetrachloride	5.13	117	107054	5.034	ug/L 100
33) Benzene	5.38	78	340683	4.738	ug/L 100
34) Trichloroethene	6.18	95	92980	4.865	ug/L 100
35) Methylcyclohexane	6.41	83	130766	4.862	ug/L 100
37) 1,2-Dichloropropane	6.43	63	79924	4.433	ug/L 100
38) Bromodichloromethane	6.76	83	104982	4.813	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	116616	4.975	ug/L 100
40) 4-Methyl-2-pentanone	7.46	43	392138	41.153	ug/L 100

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5/30/2019 8:15:30 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	368324	5.010	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	91002	4.940	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	61088	4.831	ug/L	100
47) Tetrachloroethene	8.22	164	68145	5.048	ug/L	100
48) 2-Hexanone	8.36	43	309975	43.077	ug/L	100
49) Dibromochloromethane	8.47	129	69059	5.016	ug/L	100
50) 1,2-Dibromoethane	8.58	107	58929	5.078	ug/L	100
51) Chlorobenzene	9.12	112	222238	4.923	ug/L	100
52) Ethylbenzene	9.25	91	363161	4.921	ug/L	100
53) m,p-Xylene	9.37	106	135096	4.957	ug/L	100
54) o-Xylene	9.77	106	134047	5.055	ug/L	100
55) Styrene	9.79	104	232004	5.380	ug/L	100
56) Isopropylbenzene	10.16	105	347119	5.152	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	76225	4.891	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	52161	4.758	ug/L	100
61) Bromoform	9.96	173	39224	5.311	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	160463	5.026	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	163797	5.032	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	162767	5.147	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	10935	4.965	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	120901	5.233	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	88237m	5.562	ug/L	100
69) Naphthalene	13.74	128	126847	4.758	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	86531	5.342	ug/L	100

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

M.D.
5/29/19