

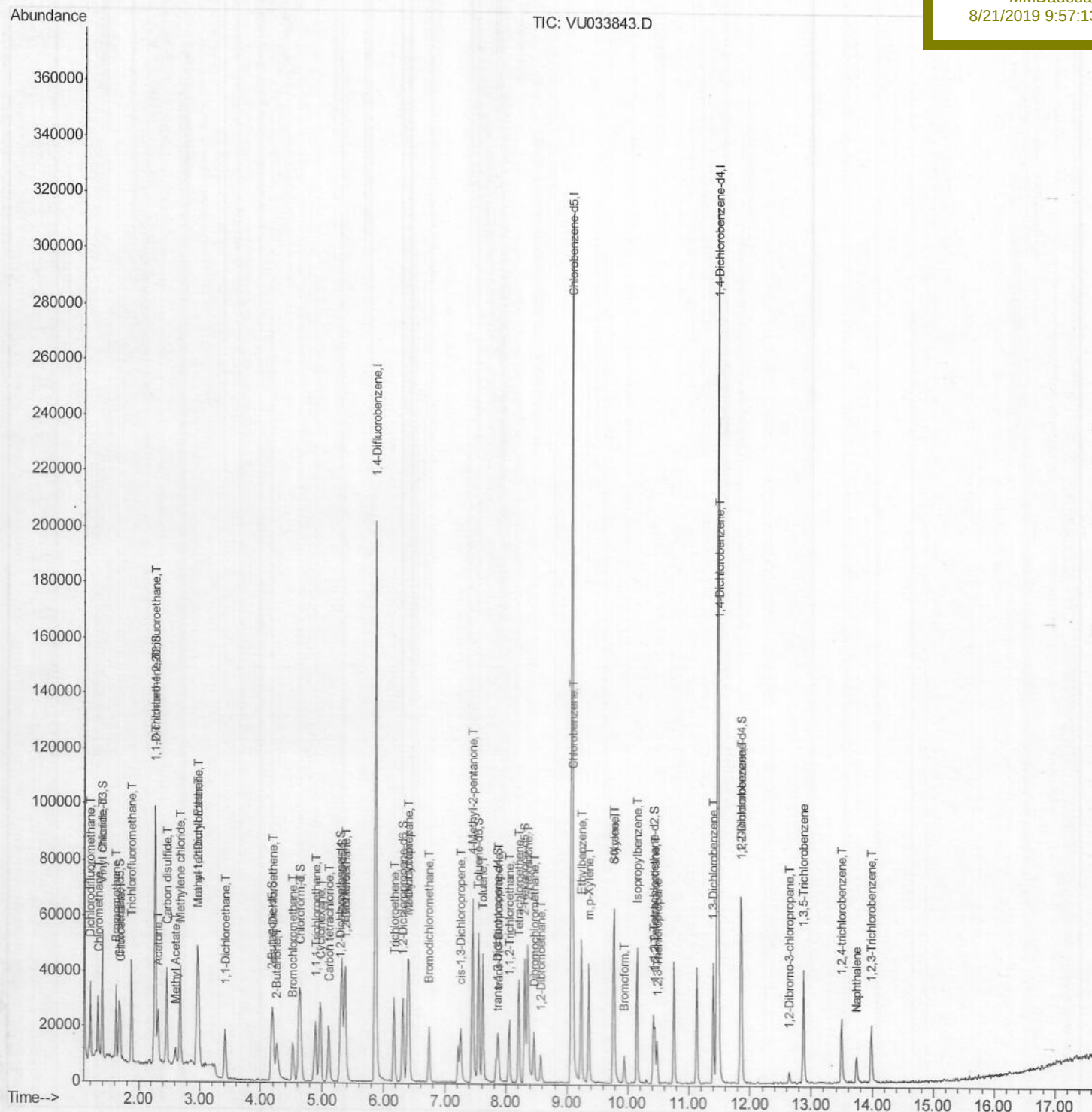
ALS Vial : 3 Sample Multiplier: 1

Response via : Initial Calibration

VSTD00106

APPROVED

8/21/2019 9:57:13 AM



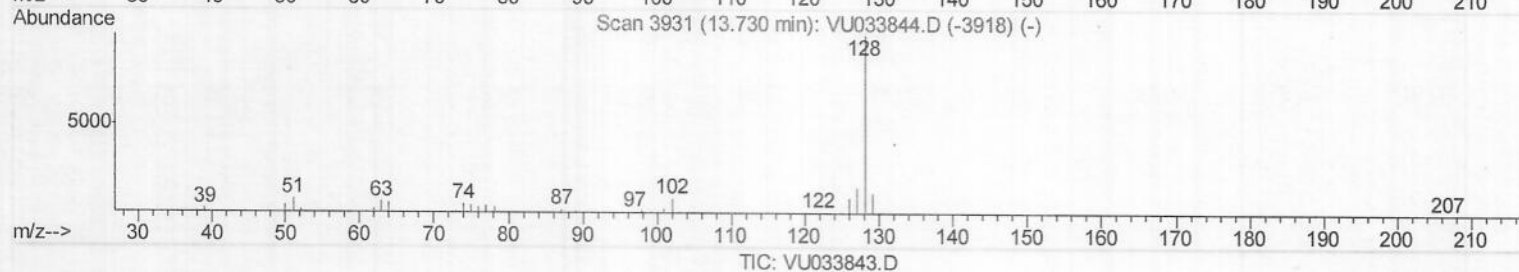
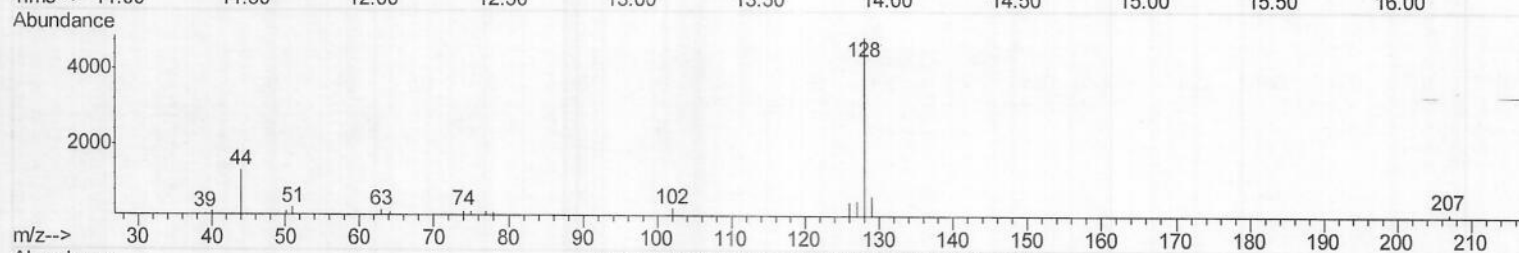
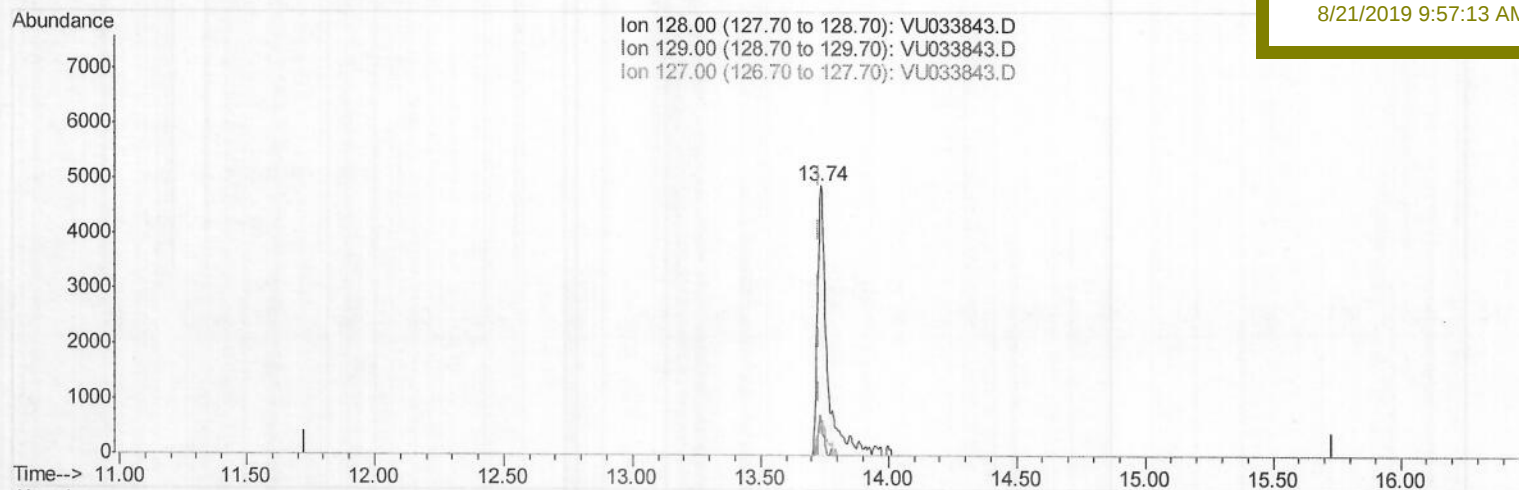
Data File : VU033843.D
Acq On : 20 Aug 2019 10:26
Operator : JC/SP
Sample : VSTD00106
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 05:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:04:59 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:57:13 AM



(69) Naphthalene

13.736min (+0.006) 0.69ug/L

response 9934

Ion	Exp%	Act%
128.00	100	100
129.00	11.30	10.00
127.00	13.60	12.93
0.00	0.00	0.00

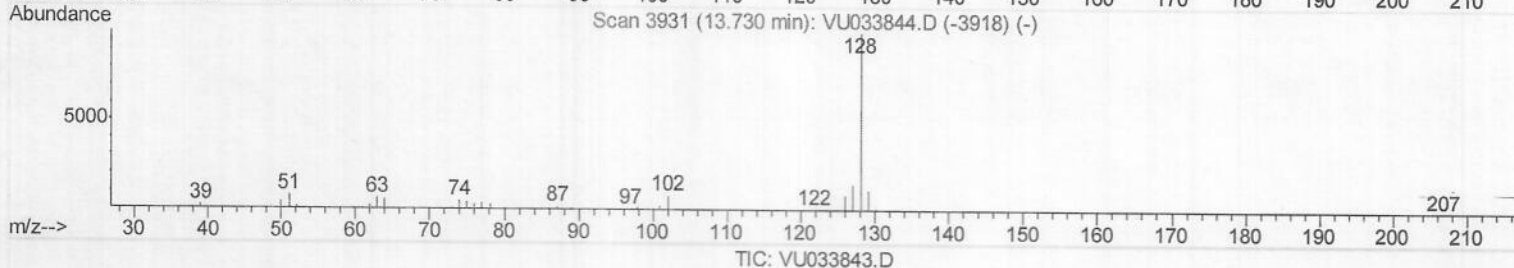
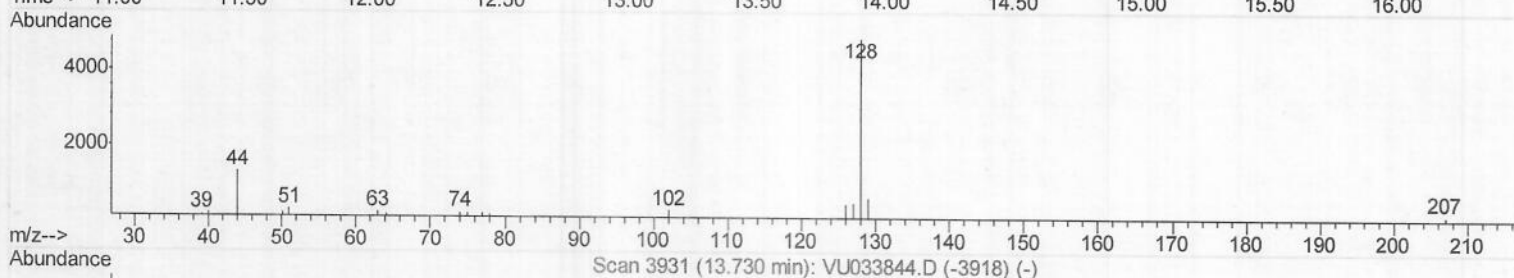
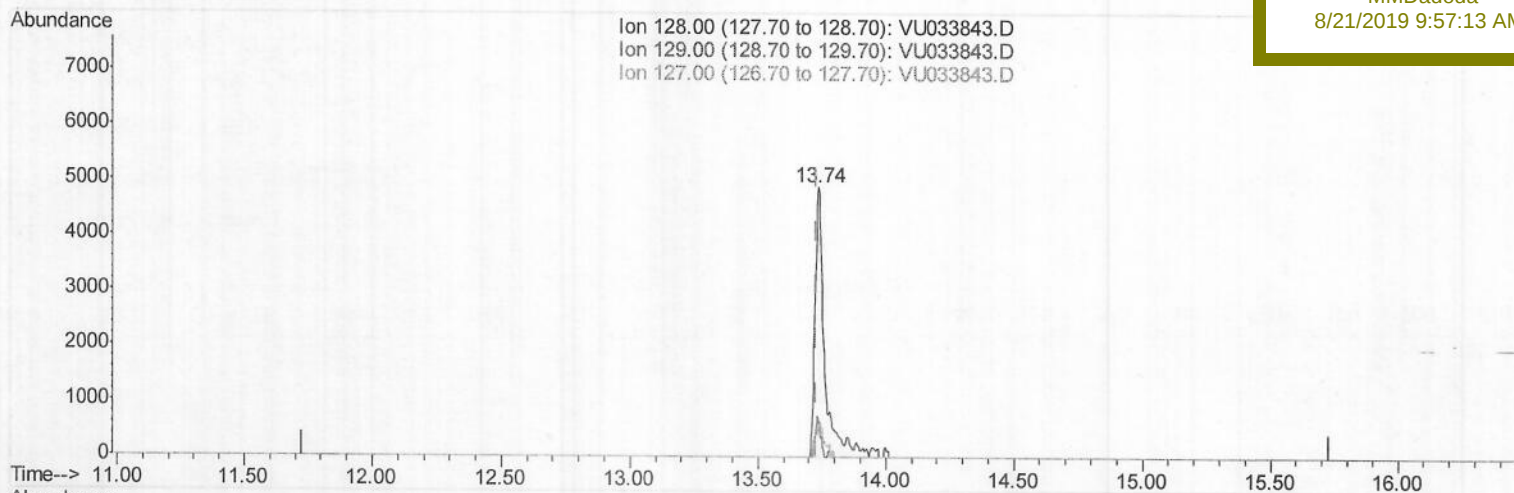
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MMDadoda
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(69) Naphthalene

13.736min (+0.006) 0.81ug/L m) M08128119

response 11661

Ion	Exp%	Act%
128.00	100	100
129.00	11.30	8.52#
127.00	13.60	11.01
0.00	0.00	0.00

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ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 05:18:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:04:59 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
Client Sampled :
VSTD00106

Manual Integrations
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8/21/2019 9:57:13 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	168434	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	176767	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	85714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	15040	1.05	ug/L	0.00
7) Chloroethane-d5	1.67	69	13145	1.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	29713	1.03	ug/L	0.00
20) 2-Butanone-d5	4.18	46	27591	9.70	ug/L	0.01
24) Chloroform-d	4.63	84	24943	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	13485	1.04	ug/L	0.00
32) Benzene-d6	5.32	84	43045	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	14593	1.01	ug/L	0.00
41) Toluene-d8	7.55	98	37502	0.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	5429	0.98	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	14775	7.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	12512	1.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	15404	1.04	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	15229	0.998 ug/L	94
3) Chloromethane	1.32	50	15176	1.024 ug/L	98
5) Vinyl chloride	1.39	62	17221	1.033 ug/L	99
6) Bromomethane	1.62	94	11426	1.046 ug/L	98
8) Chloroethane	1.69	64	10220	1.044 ug/L	94
9) Trichlorofluoromethane	1.87	101	21873	1.032 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12527	1.021 ug/L	97
12) 1,1-Dichloroethene	2.27	96	11789	1.012 ug/L	95
13) Acetone	2.32	43	22077	10.148 ug/L	99
14) Carbon disulfide	2.46	76	40813	1.019 ug/L	99
15) Methyl Acetate	2.60	43	6096	1.118 ug/L	100
16) Methylene chloride	2.68	84	14442	1.056 ug/L	94
17) Methyl tert-butyl Ether	2.98	73	29566	1.012 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	13026	1.015 ug/L	97
19) 1,1-Dichloroethane	3.42	63	19036	1.023 ug/L	99
21) 2-Butanone	4.26	43	21544	9.235 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	10022	0.993 ug/L	99
23) Bromochloromethane	4.53	128	4967	1.018 ug/L	94
25) Chloroform	4.65	83	22543	1.071 ug/L	95
27) 1,2-Dichloroethane	5.39	62	12338	1.033 ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	16285	1.016 ug/L	97
30) Cyclohexane	4.97	56	12075	0.892 ug/L	99
31) Carbon tetrachloride	5.11	117	14904	1.032 ug/L	95
33) Benzene	5.37	78	37461	0.966 ug/L	100
34) Trichloroethene	6.17	95	9915	0.953 ug/L	98
35) Methylcyclohexane	6.39	83	12922	0.889 ug/L	96
37) 1,2-Dichloropropane	6.41	63	9986	0.973 ug/L	99
38) Bromodichloromethane	6.74	83	13600	1.029 ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	12391	0.914 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	47351	8.711 ug/L	95

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Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Aug 21 05:04:59 2019

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Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

Manual Integrations

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MMDadoda

8/21/2019 9:57:13 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	34901	0.878	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	10482	0.924	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	7455	1.015	ug/L	94
47) Tetrachloroethene	8.21	164	8597	1.007	ug/L	94
48) 2-Hexanone	8.35	43	31832	8.014	ug/L	96
49) Dibromochloromethane	8.46	129	9358	1.020	ug/L	97
50) 1,2-Dibromoethane	8.57	107	6903	0.983	ug/L #	95
51) Chlorobenzene	9.10	112	25320	0.964	ug/L	96
52) Ethylbenzene	9.23	91	34991	0.880	ug/L	96
53) m,p-Xylene	9.36	106	11539	0.773	ug/L	85
54) o-Xylene	9.76	106	11624	0.812	ug/L	100
55) Styrene	9.78	104	19372	0.781	ug/L	99
56) Isopropylbenzene	10.15	105	29369	0.793	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	8677	0.941	ug/L	94
59) 1,2,3-Trichloropropane	10.48	75	6548	0.974	ug/L	97
61) Bromoform	9.94	173	4821	1.018	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	19365	1.017	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	19455	0.994	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	18855	1.023	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	1434	1.100	ug/L	92
67) 1,3,5-Trichlorobenzene	12.87	180	14079	0.974	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	9404	0.894	ug/L	92
69) Naphthalene	13.74	128	11661m)	0.810	ug/L	92
70) 1,2,3-Trichlorobenzene	13.98	180	8377	0.848	ug/L	96

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

) MO08/28/19