(QT Reviewed)

Data File : Acq On : Operator : Sample :	5 Nov 2021 09:53 Y/MD STDCCC005 5.0mL/MSVOA_V/WATER	Instrument : MSVOA_V LabSampleId : VSTDCCC005 Manual IntegrationsAPPROVED
Quant Method Quant Title QLast Update	ov 16 00:22:44 2021 : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M : TRACE VOA SFAM1.0 : Sat Nov 13 01:39:11 2021	Reviewed By :John Carlone 11/16/2021 Supervised By :Mahesh Dadoda 11/16/2021
Response via Abundance	: Initial Calibration TIC: VV023470.D\data.ms	
	110. V V025470.D/data.ms	5
440000	Пе, Т	
420000-	Loroeth	
400000	1. Dichler/opp.barterdae8h4.(bs.Zfrifiluoroethane, T bentanone, T garzene, T sopropy/benzene, T 1.3,5-Trimethy/benzene, T	4,1 4,1
380000	ichieropstb สรหยังเปละ Bie (bg.27 none. T ene. T esopropylbenzene. T .3.5-Trimethylbenzene. T	1.2.4.Trimethylbenzene.T 1.2.Dicthlorrobenzene-d4,I 1.3.5.Trichlorobenzene 1.3.5.Trichlorobenzene
360000	efcht.Daa T	2,4-Trime syltorobe BnZene
340000	+,+ Dioh Pentano €,1,3 Is Is	1.2 boshtéedal éditéezet
320000	пе. Т 	1.2.4-Trimethyli 3-Dichlorob <mark>eg:19</mark> 08050646086190robenzer 1.3.5-Trichlorobenzene
300000	Hand Hand Hand Hand Hand Hand Hand Hand	Trichlorce
280000	je ze	1.3-Dic
260000		1,2,4-trichtorobenzene,T chlorobenzene,T
240000	lerft#oxy/IB/IB/IB/Enoroel benzene.l Methylcyclohexane.T Le ¹ ส่มีรูะhloroethene.T	1,2,3-Trichlorobenzene,T
220000	Breitfren zene, l thylcyclo	1,2,4-1 richlorot
2200000 2000000 1800000 1800000 1600000	ide.T 	1,2,3-T
180000		
160000	an disul bethene Math T Math T Math T Math T Math T Math	
	.1-Dichloroethane, T Methylerne chloride, T .1-Dichloroethane, T Methylerne chloride, T .1-Dichloroethane, T 2-Belatobristissethene, T .1-1.1-Trichloroethane, T 1.4-Dittuon .1.1-1-Trichloroethane, T 1.4-Dittuon .1.1-1-Trichloroethane, T 1.4-Dittuon .1.1-1-Trichloroethane, T 1.4-Dittuon .1.1-1-Trichloroethane, T 1.4-Dittuon .1.1-2-Trichloroethane, T 1.4-Dittuon .1.2-1-Dichloroptopene, T 1.4-Dittuon .1.2-Trichloroethane, T .1.2-Hexano .1.2-Trichloroethane, T .1.2-Hexano .1.2-Trichloroethane, T .1.2-Trichloroethane, T .1.2-Trichloroethane, T .1.2-Hexano .1.2-Trichloroethane, T .1.2-Hexano .1.2-Trichloroethane, T .1.2-Hexano .1.2-Trichloroethane, T .1.2-Hexano	glene
140000 140000 120000 120000	Ca Methyle 1,1-Dichloroethane, T 2-Batarobietts 2-Batarobioro 1,1,1-Trichloro Carbon tetracht Dichloroethane, T 2,2-Dichlor Bromodichlorometha cis-1,3-Dichlor prografts off Solichlor prografts off Solichlor prografts off Solichlor	Naphthalene
140000 120000 120000 100000	T Carbon disulfide, T Methylene chloride, T Methyl tertae 1,1-Dichloroethane, T Methyl tertae 1,1-Dichloroethane, T Methyl tertae 1,1-Dichloroethane, T Methyl tertae 1,1-1-Tichloroethane, T 1,1-1-Tichloroethane, T Bromochloromethane, T 1,1-1-Tichloroethane, T Carbon tetracholdef, Forane, T 1,4-Diffuorobanze 1,2-Dichloroethane, T 1,2-Dichloroethane, T 1,2-Dichlorophylopholophild, Pane, T Methylethere, T 1,2-Dichlorophonethane, T 1,4-Diffuorobanze 1,2-Dichlorophonethane, T 1,2-Dichlorophonethane, T 1,2-Dichlorophonethane, T 2-Hexanone_AB	pane,T
80000	logomo omocoli de la comocoli de la como	hloropro
60000	Pine Pine Pine Pine Pine Pine Pine Pine	1.2-Dibromo-3-chloropropane,T
40000	Acetone, T Methyl Acetate T 2: Bulan tran.	1.2-Dibr
20000	Wet	

3.00

4.00

2.00

5.00

6.00

7.00

8.00

9.00

10.00 11.00

12.00

13.00

14.00

0

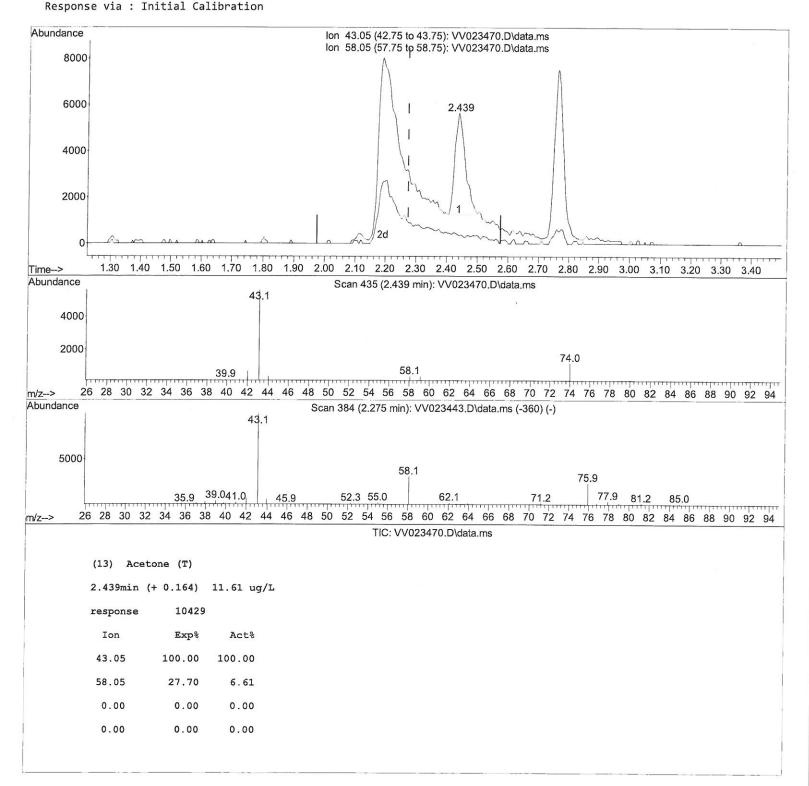
Time-->

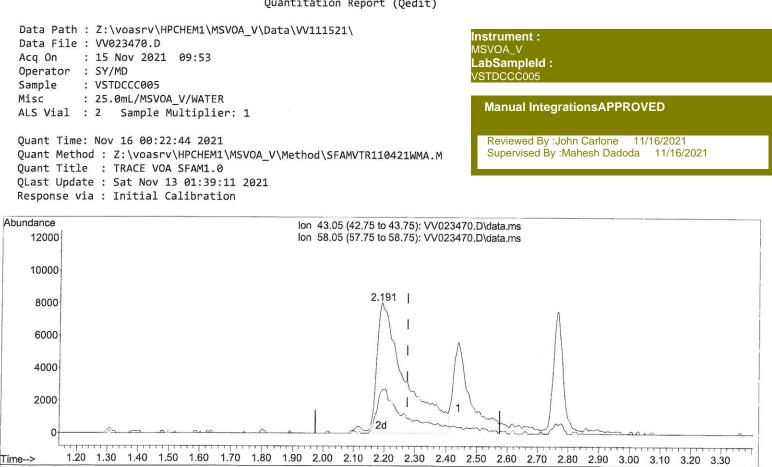
T

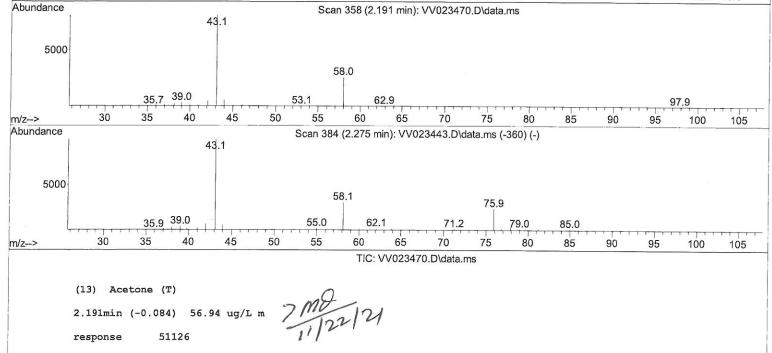
15.00 16.00 17.00

111









Exp%

100.00

27.70

0.00

0.00

Act%

1.35

0.00

0.00

100.00

Ion

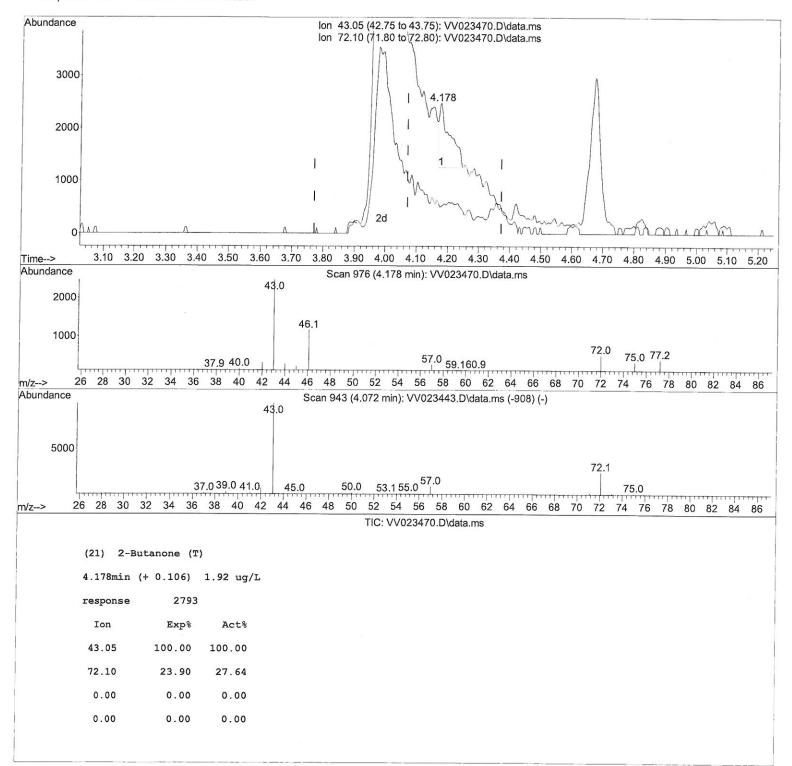
43.05

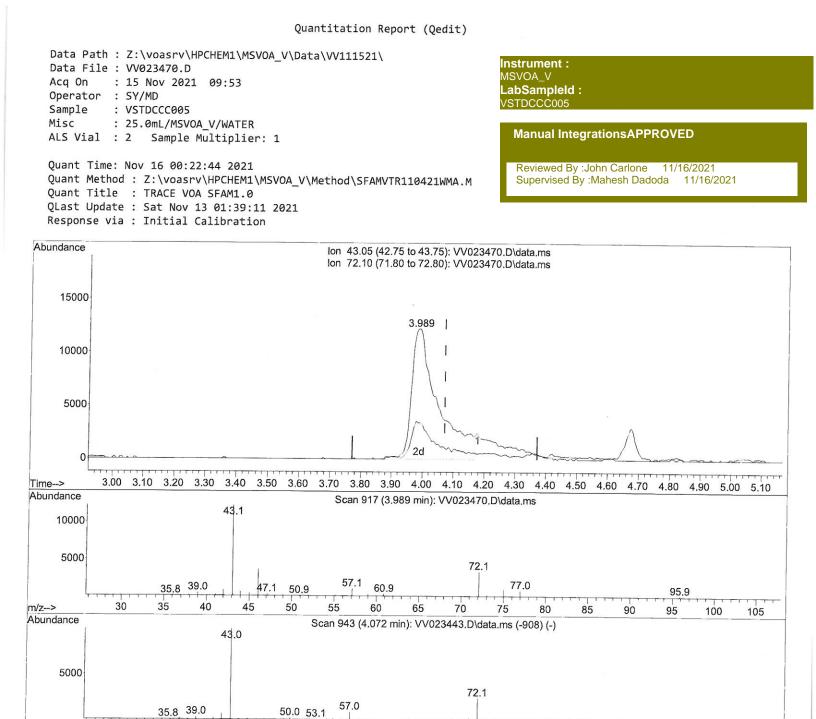
58.05

0.00

0.00







SFAMVTR110421WMA.M Tue Nov 16 00:26:13 2021

35

(21) 2-Butanone (T)

40

3.989min (-0.084) 49.81 ug/L m

72304

Exp%

100.00

23.90

0.00

0.00

45

Act%

1.07#

0.00

0.00

100.00

50

55

60

11/22/21

65

TIC: VV023470.D\data.ms

70

75

80

85

90

95

100

105

30

response

Ion

43.05

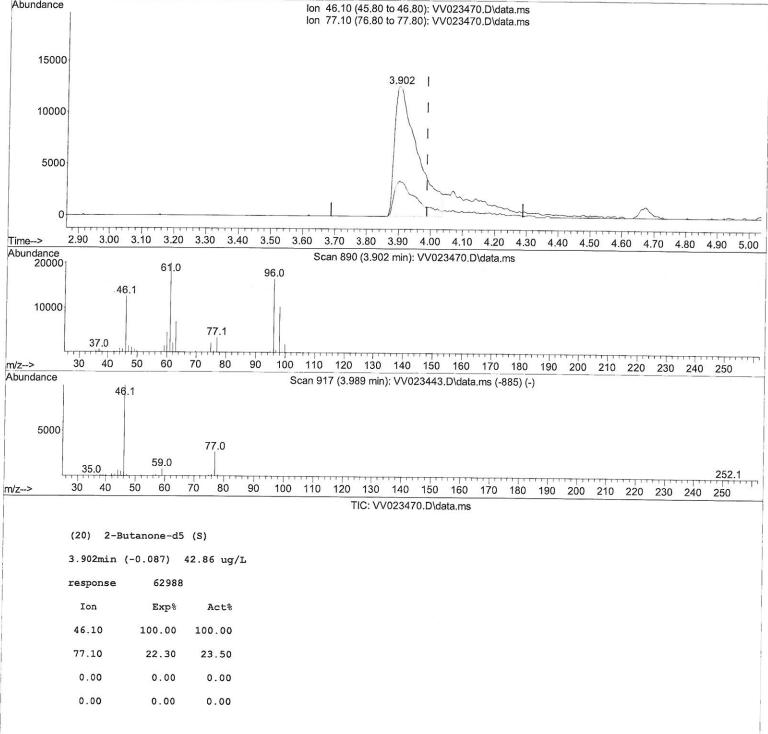
72.10

0.00

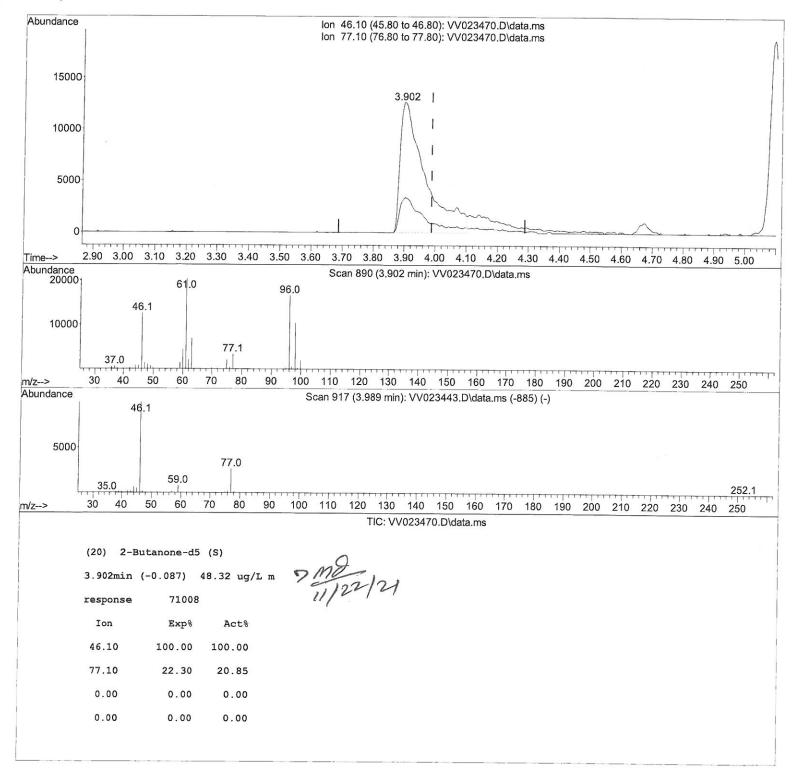
0.00

m/z-->









Data Path : Z:\voasrv\HPCHEM Data File : VV023470.D Acq On : 15 Nov 2021 09:9 Operator : SY/MD Sample : VSTDCCC005 Misc : 25.0mL/MSVOA_V/WA ALS Vial : 2 Sample Multip Quant Time: Nov 16 00:22:44 2 Quant Method : Z:\voasrv\HPCH Quant Title : TRACE VOA SFAM QLast Update : Sat Nov 13 01: Response via : Initial Calibr	53 ATER Dlier: 1 2021 HEM1\MSVOA_V\Met 11.0 39:11 2021		Instrument : MSVOA_V LabSampleId : VSTDCCC005 Manual IntegrationsAPPROVED Reviewed By :John Carlone 11/16/2021 Supervised By :Mahesh Dadoda 11/16/2021
Compound	R.T. QION	Response Conc Units Dev	(Min)
<pre>Internal Standards 1) 1,4-Difluorobenzene 28) Chlorobenzene-d5 58) 1,4-Dichlorobenzene-d4 System Monitoring Compounds 4) Vinyl Chloride-d3</pre>	5.612 114 8.850 117 11.249 152 1.304 65	135870 5.000 ug/L 78255 5.000 ug/L	 -0.02 0.00 0.00
Spiked Amount 5.000 7) Chloroethane-d5 Spiked Amount 5.000 11) 1,1-Dichloroethene-d2	Range 40 - 13 1.568 69 Range 65 - 13 2.108 63	0 Recovery = 118.800 38567 5.548 ug/L 0 Recovery = 111.000	% 0.00 %
Spiked Amount 5.000 20) 2-Butanone-d5 Spiked Amount 50.000 24) Chloroform-d Spiked Amount 5.000 26) 1,2-Dichloroethane-d4	Range 60 - 12 3.902 46 Range 40 - 13 4.342 84 Range 70 - 12	5 Recovery = 109.000 71008m 48.320 ug/L 9 Recovery = 96.640 91450 5.031 ug/L 5 Recovery = 100.600	-0.09 11/22/14 -0.02
Spiked Amount 5.000 32) Benzene-d6 Spiked Amount 5.000 36) 1,2-Dichloropropane-d6 Spiked Amount 5.000	5.027 65 Range 70 - 130 5.047 84 Range 70 - 125 6.066 67 Range 60 - 140	 Recovery = 101.600% 174360 5.001 ug/L Recovery = 100.000% 48853 4.760 ug/L Recovery = 95.200% 	-0.01 % -0.03
 41) Toluene-d8 Spiked Amount 5.000 43) trans-1,3-Dichloroprop Spiked Amount 5.000 46) 2-Hexanone-d5 Spiked Amount 50.000 	7.313 98 Range 70 - 130 . 7.619 79 Range 55 - 130 8.088 63 Range 45 - 130	Recovery = 105.800% 19818 5.093 ug/L Recovery = 101.800% 62274 43.496 ug/L	-0.02 -0.02
56) 1,1,2,2-Tetrachloroeth Spiked Amount 5.000 66) 1,2-Dichlorobenzene-d4		34682 4.699 ug/L Recovery = 94.000% 60061 4.609 ug/L	0.00
Target Compounds 2) Dichlorodifluoromethane 3) Chloromethane	1.127 85 1.240 50	Qva 59280 4.465 ug/L	99
5) Vinyl chloride 6) Bromomethane 8) Chloroethane	1.240 50 1.310 62 1.523 94 1.584 64	53514 4.741 ug/L 54073 4.796 ug/L 33920 4.707 ug/L 32488 4.994 ug/L	97 100 99 97
9) Trichlorofluoromethane 10) 1,1,2-Trichloro-1,2,2 12) 1,1-Dichloroethene 13) Acetone	1.751 101 . 2.117 101 2.117 96 2.191 43	83246 4.914 ug/L 42714 5.009 ug/L 39851 4.908 ug/L	100 97 95 me
14) Carbon disulfide 15) Methyl Acetate 16) Methylene chloride	2.294 76 2.439 43 2.503 84	133140 4.345 ug/L 10429 4.104 ug/L 46117 3.892 ug/L	99 11/22/21 99 96
 Methyl tert-butyl Ether trans-1,2-Dichloroethene 1,1-Dichloroethane 2-Butanone 	2.767 73 2.757 96 3.185 63 3.989 43	84086 4.705 ug/L 44181 4.426 ug/L 78055 4.632 ug/L 72304m 49.805 ug/L	95 96 98
22) cis-1,2-Dichloroethene23) Bromochloromethane	3.908 96 4.246 128	44112 4.592 ug/L # 21621 4.881 ug/L #	90 11/22/24

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111521\ Data File : VV023470.D Acq On : 15 Nov 2021 09:53 Operator : SY/MD Sample : VSTDCCC005 Misc : 25.0mL/MSVOA_V/WATER ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_V LabSampleId : VSTDCCC005

Manual IntegrationsAPPROVED

Reviewed By : John Carlone 11/16/2021 Supervised By :Mahesh Dadoda 11/16/2021

Quant Time: Nov 16 00:22:44 2021 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M Quant Title : TRACE VOA SFAM1.0 QLast Update : Sat Nov 13 01:39:11 2021 Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units Dev((Min)
) Chloroform	4.368	83	83531	4.650 ug/L	100
27) 1,2-Dichloroethane	5.127	62	45716	4.785 ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	77048	4.669 ug/L	99
30) Cyclohexane	4.674	56	63945	4.324 ug/L	97
31) Carbon tetrachloride	4.825	117	72247	4.875 ug/L	95
33)	Benzene	5.095	78	175767	4.628 ug/L	100
34)) Trichloroethene	5.911	95	48349	4.788 ug/L	99
35)	Methylcyclohexane	6.127	83	69128	4.337 ug/L	97
37)	1,2-Dichloropropane	6.169	63	43700	4.929 ug/L	99
38)	Bromodichloromethane	6.506	83	55861	4.702 ug/L	99
39)	cis-1,3-Dichloropropene	7.024	75	57550	4.513 ug/L	99
40)	4-Methyl-2-pentanone	7.223	43	216414	52.632 ug/L	97
42)	Toluene	7.384	91	198861	4.896 ug/L	98
44)	trans-1,3-Dichloropropene	7.648	75	52211	4.935 ug/L	100
	1,1,2-Trichloroethane	7.837	97	29938	4.700 ug/L	97
47)	Tetrachloroethene	7.972	164	41262	4.714 ug/L	98
48)	2-Hexanone	8.140	43	164944	57.248 ug/L	98
49)	Dibromochloromethane	8.243	129	40091	4.967 ug/L	99
	1,2-Dibromoethane	8.352	107	28447	4.819 ug/L	100
	Chlorobenzene	8.879	112	125653	4.654 ug/L	99
52)	Ethylbenzene	9.011	91	200232	4.674 ug/L	99
53)	m,p-xylene	9.136	106	80661	4.798 ug/L	98
54)	o-xylene	9.542	106	75502	4.787 ug/L	100
55)	Styrene	9.558	104	133764	4.950 ug/L	96
57)	1,1,2,2-Tetrachloroethane	10.239	83	31766	4.551 ug/L	99
	Bromoform	9.731	173	22606	4.836 ug/L	99
50)	Isopropylbenzene	9.931	105	203249	4.526 ug/L	98
51)	1,2,3-Trichloropropane	10.271	75	24117	4.639 ug/L	97
52)	1,3,5-Trimethylbenzene	10.538	105	163741	4.398 ug/L	99
53)	1,2,4-Trimethylbenzene	10.914	105	168563	4.548 ug/L	99
54)	1,3-Dichlorobenzene	11.178	146	104585	4.558 ug/L	98
55)	1,4-Dichlorobenzene	11.271	146	103525	4.418 ug/L	98
57)	1,2-Dichlorobenzene	11.641	146	95968	4.674 ug/L	97
(8)	1,2-Dibromo-3-chloropr	12.429	75	5062	4.571 ug/L	97
	1,3,5-Trichlorobenzene	12.644	180	78417	4.365 ug/L	98
	1,2,4-trichlorobenzene	13.262	180	59336	4.124 ug/L	99
	Naphthalene	13.503	128	78909	3.720 ug/L	99
	1,2,3-Trichlorobenzene	13.744	180	54497	4.330 ug/L	96

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