

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072922\
 Data File : VW027100.D
 Acq On : 29 Jul 2022 21:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050319

Quant Time: Jul 30 00:11:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 30 00:04:45 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

08/01/2022
 Supervised By :Mahesh
 Dadoda

08/02/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	561998	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	544648	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	291133	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.301	65	214572	40.132	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.260%
7) Chloroethane-d5	1.564	69	185631	43.819	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.640%
11) 1,1-Dichloroethene-d2	2.105	63	381988	41.965	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.940%
21) 2-Butanone-d5	3.883	46	263830	86.538	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.540%
24) Chloroform-d	4.342	84	453761	47.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.240%
26) 1,2-Dichloroethane-d4	5.027	65	263595	48.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.440%
32) Benzene-d6	5.043	84	892917	46.686	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
36) 1,2-Dichloropropane-d6	6.066	67	281251	48.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.080%
41) Toluene-d8	7.313	98	781792	45.223	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.440%
43) trans-1,3-Dichloroprop...	7.619	79	125261	48.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.880%
47) 2-Hexanone-d5	8.088	63	273542	108.698	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.700%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	443543	50.253	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.500%
66) 1,2-Dichlorobenzene-d4	11.622	152	301947	46.137	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.280%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.127	85	283335	48.578	ug/L	100
3) Chloromethane	1.236	50	285373	53.508	ug/L	99
5) Vinyl chloride	1.307	62	295520	52.238	ug/L	99
6) Bromomethane	1.519	94	179757	51.739	ug/L	99
8) Chloroethane	1.581	64	179005	53.892	ug/L	99
9) Trichlorofluoromethane	1.748	101	360104	49.616	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	200760	47.917	ug/L	99
12) 1,1-Dichloroethene	2.114	96	210189	51.346	ug/L	85
13) Acetone	2.172	43	217265m	96.217	ug/L	
14) Carbon disulfide	2.288	76	628075	48.361	ug/L	99
15) Methyl Acetate	2.429	43	199222	53.089	ug/L	97
16) Methylene chloride	2.500	84	269222	51.595	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	229783	51.271	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	700408	56.897	ug/L	99
19) 1,1-Dichloroethane	3.185	63	419023	53.540	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	250633	54.079	ug/L	97
22) 2-Butanone	3.966	43	243598	97.786	ug/L	90
23) Bromochloromethane	4.240	128	137026	54.885	ug/L	99
25) Chloroform	4.368	83	443659	53.769	ug/L	100

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 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTD050319

Manual Integrations
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Reviewed By :Krupa
 Patel

08/01/2022
 Supervised By :Mahesh
 Dadoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	316757	55.788	ug/L	98
29) Cyclohexane	4.674	56	301534	51.528	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	370125	52.946	ug/L	99
31) Carbon tetrachloride	4.822	117	308888	50.757	ug/L	99
33) Benzene	5.095	78	982225	55.960	ug/L	100
34) Trichloroethene	5.908	95	232286	51.419	ug/L	99
35) Methylcyclohexane	6.127	83	339052	50.308	ug/L	98
37) 1,2-Dichloropropane	6.169	63	253534	57.715	ug/L	99
38) Bromodichloromethane	6.506	83	327801	56.181	ug/L	97
39) cis-1,3-Dichloropropene	7.024	75	354546	56.260	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	665228	119.726	ug/L	99
42) Toluene	7.384	91	1003781	55.467	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	345406	56.377	ug/L	100
45) 1,1,2-Trichloroethane	7.838	97	262661	55.848	ug/L	98
46) Tetrachloroethene	7.973	164	175162	49.572	ug/L	98
48) 2-Hexanone	8.140	43	529804	120.998	ug/L	100
49) Dibromochloromethane	8.243	129	269994	55.821	ug/L	98
50) 1,2-Dibromoethane	8.349	107	276246	56.014	ug/L	99
51) Chlorobenzene	8.879	112	648210	53.112	ug/L	99
52) Ethylbenzene	9.011	91	995958	54.352	ug/L	100
53) m,p-Xylene	9.136	106	400047	55.504	ug/L	100
54) o-Xylene	9.542	106	392228	56.509	ug/L	100
55) Styrene	9.558	104	717462	59.062	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	426506	56.247	ug/L	99
59) Bromoform	9.728	173	183068	55.356	ug/L	99
60) Isopropylbenzene	9.931	105	979497	53.913	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	328552	53.810	ug/L	100
62) 1,3,5-Trimethylbenzene	10.538	105	415441	53.425	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	340674	54.899	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	474688	53.822	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	489779	52.699	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	501969	54.499	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	86731	54.179	ug/L	98
69) 1,3,5-Trichlorobenzene	12.644	180	317374	53.056	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	275234	53.757	ug/L	99
71) Naphthalene	13.500	128	993589	55.772	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	308439	55.541	ug/L	99

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

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 ALS Vial : 29 Sample Multiplier: 1

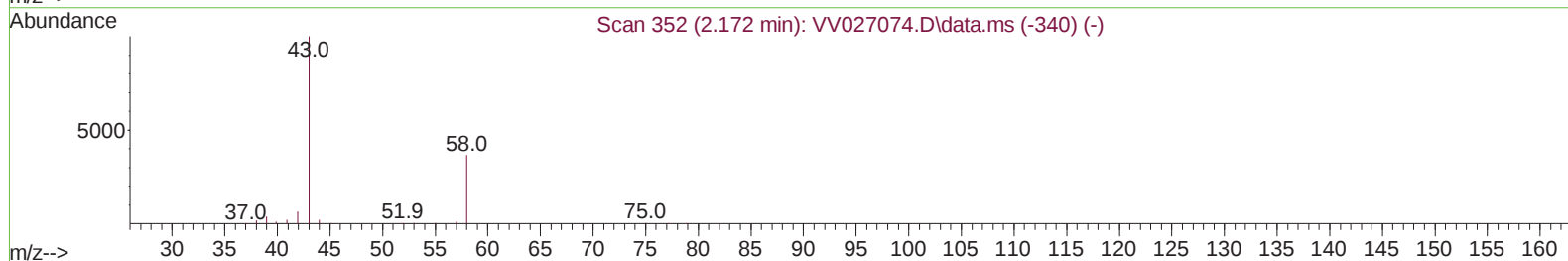
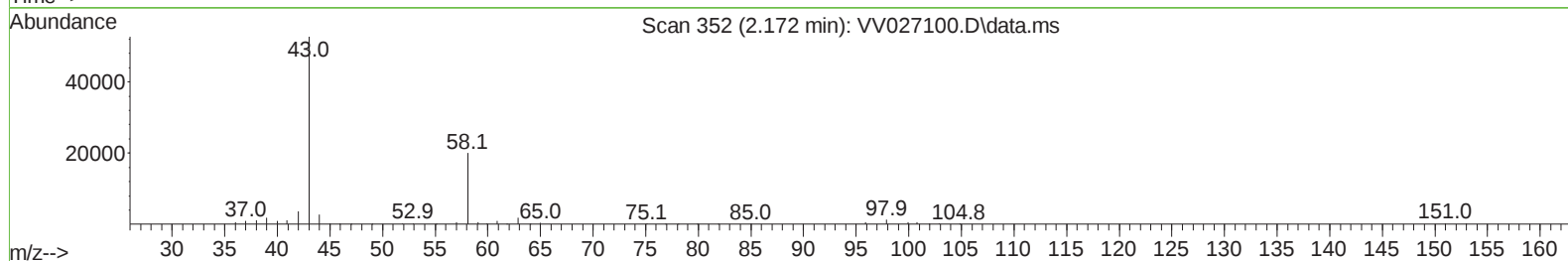
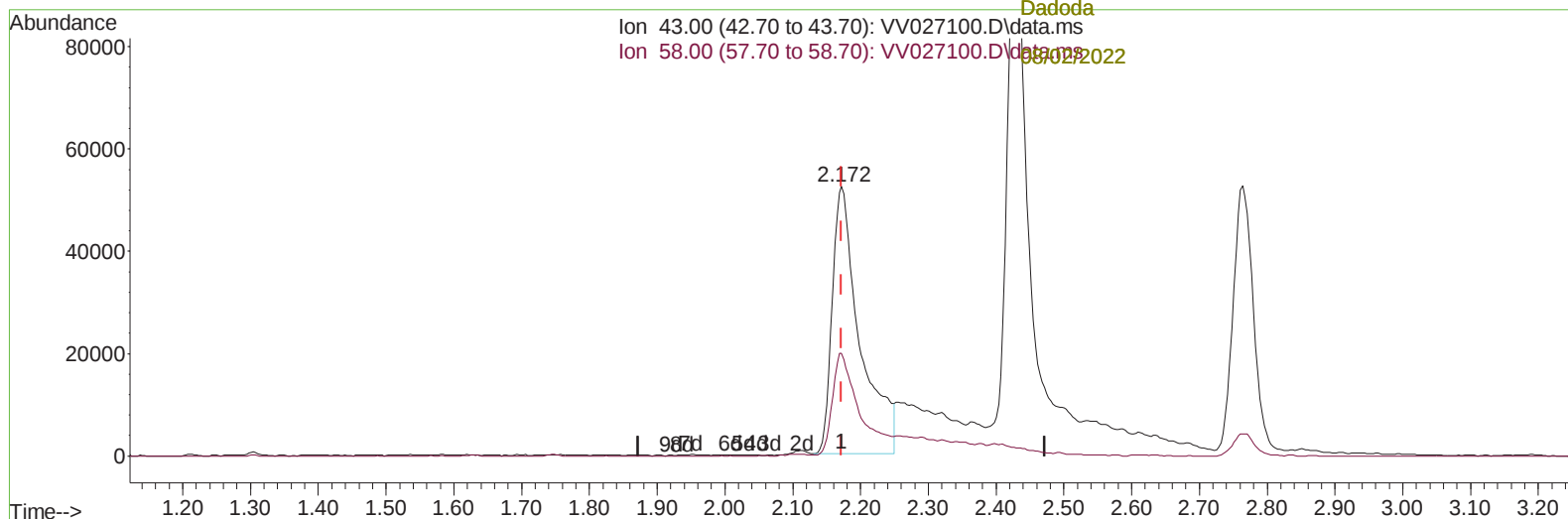
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Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

08/01/2022
 Supervised By :Mahesh
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 08/01/2022

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 Response via : Initial Calibration



TIC: VV027100.D\data.ms

(13) Acetone (T)

2.172min (-0.000) 65.90 ug/L

response 148804

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	24.80	37.41
0.00	0.00	0.00
0.00	0.00	0.00

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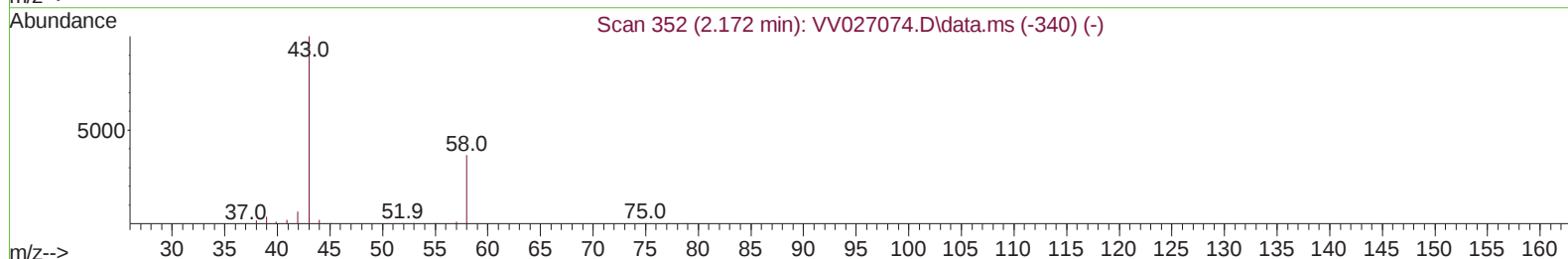
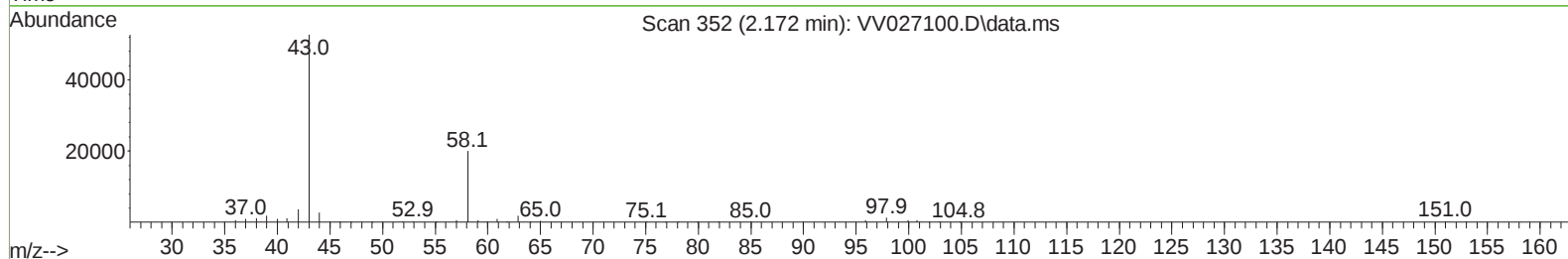
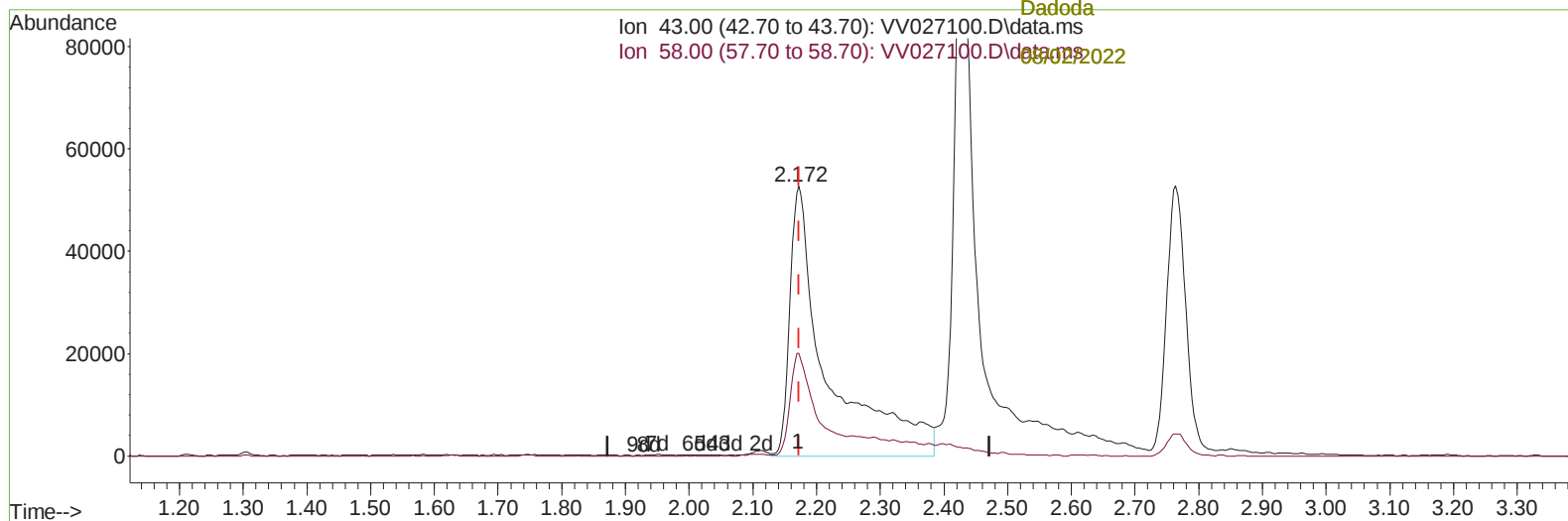
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TIC: VV027100.D\data.ms

(13) Acetone (T)

2.172min (-0.000) 96.22 ug/L m

response 217265

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	24.80	25.62
0.00	0.00	0.00
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	561998	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	544648	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	291133	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	214572	40.132	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	80.260%	
7) Chloroethane-d5	1.564	69	185631	43.819	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	87.640%	
11) 1,1-Dichloroethene-d2	2.105	63	381988	41.965	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	83.940%	
21) 2-Butanone-d5	3.883	46	263830	86.538	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	86.540%	
24) Chloroform-d	4.342	84	453761	47.121	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.240%	
26) 1,2-Dichloroethane-d4	5.027	65	263595	48.220	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	96.440%	
32) Benzene-d6	5.043	84	892917	46.686	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.380%	
36) 1,2-Dichloropropane-d6	6.066	67	281251	48.045	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	96.080%	
41) Toluene-d8	7.313	98	781792	45.223	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	90.440%	
43) trans-1,3-Dichloroprop...	7.619	79	125261	48.440	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	96.880%	
47) 2-Hexanone-d5	8.088	63	273542	108.698	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	108.700%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	443543	50.253	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	100.500%	
66) 1,2-Dichlorobenzene-d4	11.622	152	301947	46.137	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	92.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	283335	48.578	ug/L	100
3) Chloromethane	1.236	50	285373	53.508	ug/L	99
5) Vinyl chloride	1.307	62	295520	52.238	ug/L	99
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9) Trichlorofluoromethane	1.748	101	360104	49.616	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	200760	47.917	ug/L	99
12) 1,1-Dichloroethene	2.114	96	210189	51.346	ug/L	85
13) Acetone	2.172	43	217265m	96.217	ug/L	
14) Carbon disulfide	2.288	76	628075	48.361	ug/L	99
15) Methyl Acetate	2.429	43	199222	53.089	ug/L	97
16) Methylene chloride	2.500	84	269222	51.595	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	229783	51.271	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	700408	56.897	ug/L	99
19) 1,1-Dichloroethane	3.185	63	419023	53.540	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	250633	54.079	ug/L	97
22) 2-Butanone	3.966	43	243598	97.786	ug/L	90
23) Bromochloromethane	4.240	128	137026	54.885	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.368	83	443659	53.769	ug/L	100
27) 1,2-Dichloroethane	5.124	62	316757	55.788	ug/L	98
29) Cyclohexane	4.674	56	301534	51.528	ug/L	98
30) 1,1,1-Trichloroethane	4.603	97	370125	52.946	ug/L	99
31) Carbon tetrachloride	4.822	117	308888	50.757	ug/L	99
33) Benzene	5.095	78	982225	55.960	ug/L	100
34) Trichloroethene	5.908	95	232286	51.419	ug/L	99
35) Methylcyclohexane	6.127	83	339052	50.308	ug/L	98
37) 1,2-Dichloropropane	6.169	63	253534	57.715	ug/L	99
38) Bromodichloromethane	6.506	83	327801	56.181	ug/L	97
39) cis-1,3-Dichloropropene	7.024	75	354546	56.260	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	665228	119.726	ug/L	99
42) Toluene	7.384	91	1003781	55.467	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	345406	56.377	ug/L	100
45) 1,1,2-Trichloroethane	7.838	97	262661	55.848	ug/L	98
46) Tetrachloroethene	7.973	164	175162	49.572	ug/L	98
48) 2-Hexanone	8.140	43	529804	120.998	ug/L	100
49) Dibromochloromethane	8.243	129	269994	55.821	ug/L	98
50) 1,2-Dibromoethane	8.349	107	276246	56.014	ug/L	99
51) Chlorobenzene	8.879	112	648210	53.112	ug/L	99
52) Ethylbenzene	9.011	91	995958	54.352	ug/L	100
53) m,p-Xylene	9.136	106	400047	55.504	ug/L	100
54) o-Xylene	9.542	106	392228	56.509	ug/L	100
55) Styrene	9.558	104	717462	59.062	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	426506	56.247	ug/L	99
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63) 1,2,4-Trimethylbenzene	10.915	105	340674	54.899	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	474688	53.822	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	489779	52.699	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	501969	54.499	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	86731	54.179	ug/L	98
69) 1,3,5-Trichlorobenzene	12.644	180	317374	53.056	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	275234	53.757	ug/L	99
71) Naphthalene	13.500	128	993589	55.772	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	308439	55.541	ug/L	99

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

Manual Integrations APPROVED

08/01/2022
Supervised By :Mahesh
Dadoda

Supervised By :Mahesh

Dadoda

08/02/2022

Abundance

TIC: VV027100.D\data.ms

08/02/2022

Time-->

2400000

2300000

2200000

2100000

2000000

1900000

1800000

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

0.00

1.00

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

17.00

Acetone, T

Chloromethane, T

Chloroethane, T

Chloroethane, T

Carbon disulfide, T

Methyl acetate, T

Methylene chloride, T

1,1-Dichloroethane, T

2-Butanone, T

2-Pentanone, T

cis-1,2-Dichloroethene, T

Bromochloroethane, T

1,1,1-Trichloroethane, T

Carbon tetrachloride, T

1,2-Dichloroethane, T

1,2-Dichloroethane, T

1,4-Difluorobenzene, T

Trichloroethene, T

1,2-Dichlorobenzene, T

1,2-Dichlorocyclohexane, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

4-Methyl-2-pentanol, T

trans-1,3-Dichloropropene, T

1,3-Dichloropropene, T

1,3-Dichloroethene, T

2-Hexanone, T

1,2-Dibromochloromethane, T

1,2-Dibromochloroethane, T

Chlorobenzene, T

Chlorobenzene, T

m,p-Xylene, T

Isopropylbenzene

1,2,3-Trichlorobenzene-d2, S

1,3,5-Trimethylbenzene

1,2,4-Trimethylbenzene

1,3-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dichlorobenzene, T

1,2-Dibromo-3-chloropropane, T

1,3,5-Trichlorobenzene

1,2,4-trichlorobenzene, T

1,2,3-Trichlorobenzene, T

Naphthalene