

### ***Laboratories Receiving MAPEP Semi-volatiles Water Standard***

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AAI01	Accura Analytical Laboratory, Inc
ADEM01	Alabama Department of Environmental Management
ANTE01	Paragon Analytics a Division of DataChem Laboratories, Inc.
AY1201	BWXT Y-12, Analytical Chemistry Organization Laboratory
BCLI01	BC Laboratories, Inc
BNEL01	Northeast Laboratory Services, Inc.
CALN01	Caltest Analytical Laboratory
CDHS01	California Department of Health Services
CORE02	STL Denver
DAFI01	Davis & Floyd, Inc.
DPAL01	Direct Push Analytical
GENE01	General Engineering Laboratories, LLC
GPLP01	GPL Laboratories, LLLP
HWRL01	Lawrence Livermore National Laboratory - HWRL
LOCK01	ICP Analytical Laboratories Department
MART01	USEC, Inc.
MART02	United States Enrichment Corporation
NARL01	National Air and Radiation Environmental Laboratory
NMLA01	Assaigai Analytical Laboratories
OBGL01	O'Brien & Gere Laboratories, Inc.
OTLI01	Outreach Technologies, Inc.
QUAN01	STL St. Louis
QUAN02	STL Knoxville
RECC01	GEL Laboratories of Ohio, LLC
SALC01	Sequoia Analytical
SOUT01	Southwest Research Institute
WEST01	Lionville Laboratory Incorporated
WEST03	Waste Sampling and Characterization Facility
XAME01	EMAX Laboratories, Inc

## *Labs Not Reporting OrW*

### *LAB\_CODE LAB\_NAME*

ADEM01	Alabama Department of Environmental Management
CDHS01	California Department of Health Services
GPLP01	GPL Laboratories, LLLP
HWRL01	Lawrence Livermore National Laboratory - HWRL
OTLI01	Outreach Technologies, Inc.
XAME01	EMAX Laboratories, Inc

# Mixed Analyte Performance Evaluation Program

## Statistical Summary Semivolatile Organics Water Standard

Sample ID: MAPEP-05-OrW14

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
Analine	5							
Phenol	8							
2-Chlorophenol	23	23	81.42	21.31	81.4		17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	23	23	34.22	8.77	34.2		7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	8							
Benzyl Alcohol	8							
1,2-Dichlorobenzene	8							
Hexachloroethane	23	23	39.48	10.24	39.5		8.78 - 70.19	(ug/L)
Nitrobenzene	23	23	52.19	11.67	52.2		17.19 - 87.18	(ug/L)
Isophorone	8							
2-Nitrophenol	8							
2,4-Dimethylphenol	23	23	70.84	15.14	70.8		25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	8							
1,2,4-Trichlorobenzene	23	23	38.48	9.64	38.5		9.57 - 67.39	(ug/L)
Naphthalene	23	23	41.94	8.78	41.9		15.60 - 68.28	(ug/L)
Hexachlorobutadiene	23	22	41.77	13.04	41.2		2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	8							
2-Methylnaphthalene	8							
2-Methylphenol	22	22	63.22	18.92	63.2		6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	8							
3 Methyl & 4-Methylphenol	8							
2,4,6-Trichlorophenol	8							
2,6-Dichlorophenol	13	13	50.48	11.76	50.5		15.21 - 85.75	(ug/L)
o-Toluidine	3							
1,4-Phenylenediamine	3							
2-Chloronaphthalene	7							
2-Nitroanaline	8							
Dimethylphthalate	8							
Acenaphthylene	8							
2,6-Dinitrotoluene	23	23	48.30	9.38	48.3		20.16 - 76.44	(ug/L)
3-Nitroanaline	8							
Acenaphthene	8							
2,4-Dinitrotoluene	23	23	94.06	19.81	94.1		34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	8							

**Note:** Outliers are excluded from the statistical summary.  
Outliers are defined as laboratory data outside the "biweight" 95% confidence interval.  
(1) T = Total Number of Laboratories Reporting Analyte.  
(2) A = Number of Laboratories with 'Acceptable' Performance.

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
4-Chloroaniline	8							
Dibenzofuran	8							
4-Nitrophenol	8							
2-Naphthylamine	3							
1,4-Naphthoquinone	3							
Fluorene	8							
Diethylphthalate	23	23	53.53	8.75	53.5		27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylphenol	8							
1,2,4,5-Tetrachlorobenzene	3							
2,4,5-Trichlorophenol	8							
Hexachlorobenzene	21	21	35.69	24.83	35.7		QL - 110.16	(ug/L)
Pentachlorophenol	8							
4-Nitroaniline	8							
Phenanthrene	9							
Anthracene	22	22	34.93	21.81	34.9		QL - 100.34	(ug/L)
1,4-Dinitrobenzene	2							
1,3-Dinitrobenzene	12	12	39.07	12.19	39.1		2.53 - 75.62	(ug/L)
1,2-Dinitrobenzene	1							
Pentachlorobenzene	3							
Pentachloronitrobenzene	3							
Di-n-butylphthalate	9							
2,3,4,6-Tetrachlorophenol	4							
Fluoranthene	23	23	37.65	19.17	37.6		QL - 95.13	(ug/L)
Pyrene	23	23	31.07	19.45	31.1		QL - 89.40	(ug/L)
Dinoseb	2							
Butylbenzylphthalate	8							
Benzo(a)anthracene	20	20	28.94	16.84	28.9		QL - 79.44	(ug/L)
Chrysene	8							
Bis(2-ethylhexyl)phthalate	11							
Di-n-octylphthalate	8							
Benzo(b)fluoranthene	8							
Benzo(k)fluoranthene	8							
Benzo(a)pyrene	8							
Indeno(1,2,3-c,d)pyrene	8							
Dibenzo(a,h)anthracene	8							
Benzo(g,h,i)perylene	8							
alpha-BHC	3							
beta-BHC	3							

**Note:** Outliers are excluded from the statistical summary.  
Outliers are defined as laboratory data outside the "biweight" 95% confidence interval.  
(1) T = Total Number of Laboratories Reporting Analyte.  
(2) A = Number of Laboratories with 'Acceptable' Performance.

Analyte	T(1)	A(2)	Grand Mean	Std. Dev.	Reference Value	Analyte Text	Acceptance Limits	Units
gamma-BHC (Lindane)	3							
delta-BHC	3							
Heptachlor	12	12	2.07	0.56	2.07		0.38 - 3.76	(ug/L)
Aldrin	3							
Heptachlor epoxide	3							
Endosulfan I	3							
4,4'-DDE	12	10	2.68	0.67	2.52		0.67 - 4.70	(ug/L)
Dieldrin	3							
Endrin	3							
4,4'-DDD	5							
Endosulfan II	3							
4,4'-DDT	12	12	4.41	1.52	4.41		QL - 8.97	(ug/L)
Endrin Aldehyde	3							
Endosulfan sulfate	3							
Endrin Ketone	3							
Methoxychlor	3							

**Note:** Outliers are excluded from the statistical summary.  
Outliers are defined as laboratory data outside the "biweight" 95% confidence interval.  
(1) T = Total Number of Laboratories Reporting Analyte.  
(2) A = Number of Laboratories with 'Acceptable' Performance.

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

AAL101

Accura Analytical Laboratory, Inc

Sample ID: MAPEP-05-OrW14

6017 Financial Drive

Norcross

GA

30071

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	66	81.4	A		-0.7	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	27	34.2	A		-0.8	7.93 - 60.51	(ug/L)
Hexachloroethane	37	39.5	A		-0.2	8.78 - 70.19	(ug/L)
Nitrobenzene	37	52.2	A		-1.3	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	55	70.8	A		-1.0	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	29	38.5	A		-1.0	9.57 - 67.39	(ug/L)
Naphthalene	33	41.9	A		-1.0	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	35	41.2	A		-0.5	2.66 - 80.89	(ug/L)
2-Methylphenol	50	63.2	A		-0.7	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	36	50.5	A		-1.2	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	36	48.3	A		-1.3	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	63	94.1	A		-1.6	34.65 - 153.47	(ug/L)
Diethylphthalate	45	53.5	A		-1.0	27.29 - 79.77	(ug/L)
Hexachlorobenzene	4.2	35.7	A		-1.3	QL - 110.16	(ug/L)
Phenanthrene	7.1						(ug/L)
Anthracene	NR	34.9				QL - 100.34	
1,3-Dinitrobenzene	34	39.1	A		-0.4	2.53 - 75.62	(ug/L)
Fluoranthene	16	37.6	A		-1.1	QL - 95.13	(ug/L)
Pyrene	8.4	31.1	A		-1.2	QL - 89.40	(ug/L)
Benzo(a)anthracene	NR	28.9				QL - 79.44	
Bis(2-ethylhexyl)phthalat	6.5						(ug/L)
Heptachlor	1.12	2.07	A		-1.7	0.38 - 3.76	(ug/L)
4,4'-DDE	2.23	2.52	A		-0.7	0.67 - 4.70	(ug/L)
4,4'-DDT	4.21	4.41	A		-0.1	QL - 8.97	(ug/L)

### Flags:

A = Result acceptable

Z-score  $\leq 2.0$ )

W = Result acceptable with warning

$2.0 < \text{Z-score} \leq 3.0$ )

N = Result not acceptable

Z-score  $> 3.0$ )

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

ANTE01

Paragon Analytics a Division of DataChem Laboratories,  
225 Commerce Drive  
Fort Collins CO 80524-

Sample ID: MAPEP-05-OrW14

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	101	81.4	A		0.9	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	43.6	34.2	A		1.1	7.93 - 60.51	(ug/L)
Hexachloroethane	49.9	39.5	A		1.0	8.78 - 70.19	(ug/L)
Nitrobenzene	60.1	52.2	A		0.7	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	87.7	70.8	A		1.1	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	47.6	38.5	A		0.9	9.57 - 67.39	(ug/L)
Naphthalene	49.1	41.9	A		0.8	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	46.6	41.2	A		0.4	2.66 - 80.89	(ug/L)
2-Methylphenol	85.8	63.2	A		1.2	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	54.2	48.3	A		0.6	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	107	94.1	A		0.7	34.65 - 153.47	(ug/L)
Diethylphthalate	61.5	53.5	A		0.9	27.29 - 79.77	(ug/L)
Hexachlorobenzene	13.3	35.7	A		-0.9	QL - 110.16	(ug/L)
Anthracene	15.7	34.9	A		-0.9	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	48.9	39.1	A		0.8	2.53 - 75.62	(ug/L)
Fluoranthene	25.8	37.6	A		-0.6	QL - 95.13	(ug/L)
Pyrene	18	31.1	A		-0.7	QL - 89.40	(ug/L)
Benzo(a)anthracene	10.4	28.9	A		-1.1	QL - 79.44	(ug/L)
Heptachlor	1.96	2.07	A		-0.2	0.38 - 3.76	(ug/L)
4,4'-DDE	2.58	2.52	A		-0.2	0.67 - 4.70	(ug/L)
4,4'-DDT	3.37	4.41	A		-0.7	QL - 8.97	(ug/L)

**Flags:** A = Result acceptable Z-score  $\leq 2.0$   
W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$   
N = Result not acceptable Z-score  $> 3.0$   
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

AY1201

BWXT Y-12, Analytical Chemistry Organization Laborato

Sample ID: MAPEP-05-OrW14

Y12, NSC, Bldg. 9995, Rm 142

Oak Ridge

TN

37831-8189

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Aniline	<10				0.0		(ug/L)
Phenol	<10				0.0		(ug/L)
2-Chlorophenol	71	81.4	A		-0.5	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	33	34.2	A		-0.1	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<10				0.0		(ug/L)
Benzyl Alcohol	<10				0.0		(ug/L)
1,2-Dichlorobenzene	<10				0.0		(ug/L)
Hexachloroethane	38	39.5	A		-0.1	8.78 - 70.19	(ug/L)
Nitrobenzene	50	52.2	A		-0.2	17.19 - 87.18	(ug/L)
Isophorone	<10				0.0		(ug/L)
2-Nitrophenol	<10				0.0		(ug/L)
2,4-Dimethylphenol	71	70.8	A		0.0	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<19				0.0		(ug/L)
1,2,4-Trichlorobenzene	41	38.5	A		0.3	9.57 - 67.39	(ug/L)
Naphthalene	43	41.9	A		0.1	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	49	41.2	A		0.6	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<10				0.0		(ug/L)
2-Methylnaphthalene	<10				0.0		(ug/L)
2-Methylphenol	58	63.2	A		-0.3	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<10				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<19				0.0		(ug/L)
2,4,6-Trichlorophenol	<10				0.0		(ug/L)
2,6-Dichlorophenol	58	50.5	A		0.6	15.21 - 85.75	(ug/L)
o-Toluidine	<10				0.0		(ug/L)
1,4-Phenylenediamine	<10				0.0		(ug/L)
2-Chloronaphthalene	<10				0.0		(ug/L)
2-Nitroaniline	<10				0.0		(ug/L)
Dimethylphthalate	<10				0.0		(ug/L)
Acenaphthylene	<10				0.0		(ug/L)
2,6-Dinitrotoluene	47	48.3	A		-0.1	20.16 - 76.44	(ug/L)
3-Nitroaniline	<10				0.0		(ug/L)
Acenaphthene	<10				0.0		(ug/L)
2,4-Dinitrotoluene	93	94.1	A		-0.1	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<19				0.0		(ug/L)
4-Chloroaniline	<10				0.0		(ug/L)
Dibenzofuran	<10				0.0		(ug/L)
4-Nitrophenol	<19				0.0		(ug/L)
2-Naphthylamine	<10				0.0		(ug/L)
1,4-Naphthoquinone	<10				0.0		(ug/L)
Fluorene	<10				0.0		(ug/L)
Diethylphthalate	53	53.5	A		-0.1	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<19				0.0		(ug/L)
1,2,4,5-Tetrachlorobenzen	<10				0.0		(ug/L)
2,4,5-Trichlorophenol	<10				0.0		(ug/L)
Hexachlorobenzene	39	35.7	A		0.1	QL - 110.16	(ug/L)



# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

AY1201

BWXT Y-12, Analytical Chemistry Organization Laborato  
Y12, NSC, Bldg. 9995, Rm 142

Sample ID: MAPEP-05-OrW14

Oak Ridge TN 37831-8189

Pentachlorophenol	<19			0.0		(ug/L)
4-Nitroanaline	<19			0.0		(ug/L)
Phenanthrene	<10			0.0		(ug/L)
Anthracene	37	34.9	A	0.1	QL - 100.34	(ug/L)
1,4-Dinitrobenzene	<10			0.0		(ug/L)
1,3-Dinitrobenzene	38	39.1	A	-0.1	2.53 - 75.62	(ug/L)
Pentachlorobenzene	<10			0.0		(ug/L)
Pentachloronitrobenzene	<10			0.0		(ug/L)
Di-n-butylphthalate	<10			0.0		(ug/L)
2,3,4,6-Tetrachlorophenol	<10			0.0		(ug/L)
Fluoranthene	37	37.6	A	0.0	QL - 95.13	(ug/L)
Pyrene	40	31.1	A	0.5	QL - 89.40	(ug/L)
Butylbenzylphthalate	<10			0.0		(ug/L)
Benzo(a)anthracene	31	28.9	A	0.1	QL - 79.44	(ug/L)
Chrysene	<10			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<19			0.0		(ug/L)
Di-n-octylphthalate	<10			0.0		(ug/L)
Benzo(b)fluoranthene	<10			0.0		(ug/L)
Benzo(k)fluoranthene	<10			0.0		(ug/L)
Benzo(a)pyrene	<10			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<10			0.0		(ug/L)
Dibenzo(a,h)anthracene	<10			0.0		(ug/L)
Benzo(g,h,i)perylene	<10			0.0		(ug/L)
alpha-BHC	<0.04			0.0		(ug/L)
beta-BHC	<0.04			0.0		(ug/L)
gamma-BHC (Lindane)	<0.04			0.0		(ug/L)
delta-BHC	<0.04			0.0		(ug/L)
Heptachlor	2.47	2.07	A	0.7	0.38 - 3.76	(ug/L)
Aldrin	<0.04			0.0		(ug/L)
Heptachlor epoxide	<0.04			0.0		(ug/L)
Endosulfan I	<0.04			0.0		(ug/L)
4,4'-DDE	3.17	2.52	A	0.7	0.67 - 4.70	(ug/L)
Dieldrin	<0.08			0.0		(ug/L)
Endrin	<0.08			0.0		(ug/L)
4,4'-DDD	<0.08			0.0		(ug/L)
Endosulfan II	<0.08			0.0		(ug/L)
4,4'-DDT	5.73	4.41	A	0.9	QL - 8.97	(ug/L)
Endrin Aldehyde	<0.08			0.0		(ug/L)
Endosulfan sulfate	<0.08			0.0		(ug/L)
Endrin Ketone	<0.08			0.0		(ug/L)
Methoxychlor	<0.4			0.0		(ug/L)

# *Mixed Analyte Performance Evaluation Program*

## *Laboratory Results - Semivolatiles Organics Water*

*AY1201*

BWXT Y-12, Analytical Chemistry Organization Laborato  
Y12, NSC, Bldg. 9995, Rm 142  
Oak Ridge TN 37831-8189

**Sample ID:** MAPEP-05-OrW14

**Flags:**

A = Result acceptable Z-score  $\leq 2.0$   
W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$   
N = Result not acceptable Z-score  $> 3.0$   
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

BCL101

BC Laboratories, Inc

Sample ID: MAPEP-05-OrW14

4100 Atlas Court

Bakersfield

CA

93308

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	84.5	81.4	A		0.1	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	39.0	34.2	A		0.5	7.93 - 60.51	(ug/L)
Hexachloroethane	47.5	39.5	A		0.8	8.78 - 70.19	(ug/L)
Nitrobenzene	55.5	52.2	A		0.3	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	75.4	70.8	A		0.3	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	40.8	38.5	A		0.2	9.57 - 67.39	(ug/L)
Naphthalene	42.1	41.9	A		0.0	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	44.5	41.2	A		0.2	2.66 - 80.89	(ug/L)
2-Methylphenol	67.8	63.2	A		0.2	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	59.6	50.5	A		0.8	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	55.8	48.3	A		0.8	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	91.5	94.1	A		-0.1	34.65 - 153.47	(ug/L)
Diethylphthalate	49.6	53.5	A		-0.4	27.29 - 79.77	(ug/L)
Hexachlorobenzene	55.4	35.7	A		0.8	QL - 110.16	(ug/L)
Anthracene	54.4	34.9	A		0.9	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	43.6	39.1	A		0.4	2.53 - 75.62	(ug/L)
Fluoranthene	47.1	37.6	A		0.5	QL - 95.13	(ug/L)
Pyrene	45.9	31.1	A		0.8	QL - 89.40	(ug/L)
Benzo(a)anthracene	33.2	28.9	A		0.3	QL - 79.44	(ug/L)
Bis(2-ethylhexyl)phthalat	2.79						(ug/L)
Heptachlor	2.57	2.07	A		0.9	0.38 - 3.76	(ug/L)
4,4'-DDE	3.42	2.52	A		1.1	0.67 - 4.70	(ug/L)
4,4'-DDT	4.65	4.41	A		0.2	QL - 8.97	(ug/L)

### Flags:

A = Result acceptable

Z-score <=2.0)

W = Result acceptable with warning 2.0 < Z-score <=3.0)

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

BNEL01

Northeast Laboratory Services, Inc.

Sample ID: MAPEP-05-OrW14

PO Box 788

Waterville

ME

04903-0788

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Aniline	<10.0				0.0		(ug/L)
Phenol	<10.0				0.0		(ug/L)
2-Chlorophenol	51.2	81.4	A		-1.4	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	17.2	34.2	A		-1.9	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<10.0				0.0		(ug/L)
Benzyl Alcohol	<10.0				0.0		(ug/L)
1,2-Dichlorobenzene	<10.0				0.0		(ug/L)
Hexachloroethane	16.4	39.5	W		-2.3	8.78 - 70.19	(ug/L)
Nitrobenzene	31.6	52.2	A		-1.8	17.19 - 87.18	(ug/L)
Isophorone	<10.0				0.0		(ug/L)
2-Nitrophenol	<10.0				0.0		(ug/L)
2,4-Dimethylphenol	53.1	70.8	A		-1.2	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<10.0				0.0		(ug/L)
1,2,4-Trichlorobenzene	15.6	38.5	W		-2.4	9.57 - 67.39	(ug/L)
Naphthalene	21.3	41.9	W		-2.3	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	16.0	41.2	A		-2.0	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<20.0				0.0		(ug/L)
2-Methylnaphthalene	<10.0				0.0		(ug/L)
2-Methylphenol	47.5	63.2	A		-0.8	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<10.0				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<10.0				0.0		(ug/L)
2,4,6-Trichlorophenol	<10.0				0.0		(ug/L)
2,6-Dichlorophenol	44.0	50.5	A		-0.6	15.21 - 85.75	(ug/L)
2-Chloronaphthalene	<10.0				0.0		(ug/L)
2-Nitroaniline	<10.0				0.0		(ug/L)
Dimethylphthalate	<10.0				0.0		(ug/L)
Acenaphthylene	<10.0				0.0		(ug/L)
2,6-Dinitrotoluene	34.2	48.3	A		-1.5	20.16 - 76.44	(ug/L)
3-Nitroaniline	<50.0				0.0		(ug/L)
Acenaphthene	<10.0				0.0		(ug/L)
2,4-Dinitrotoluene	67.7	94.1	A		-1.3	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<50.0				0.0		(ug/L)
4-Chloroaniline	<10.0				0.0		(ug/L)
Dibenzofuran	<10.0				0.0		(ug/L)
4-Nitrophenol	<50.0				0.0		(ug/L)
Fluorene	<10.0				0.0		(ug/L)
Diethylphthalate	36.2	53.5	A		-2.0	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<50.0				0.0		(ug/L)
2,4,5-Trichlorophenol	<10.0				0.0		(ug/L)
Hexachlorobenzene	9.08	35.7	A		-1.1	QL - 110.16	(ug/L)
Pentachlorophenol	<50.0				0.0		(ug/L)
4-Nitroaniline	<50.0				0.0		(ug/L)
Phenanthrene	<10.0				0.0		(ug/L)
Anthracene	10.4	34.9	A		-1.1	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	19.0	39.1	A		-1.6	2.53 - 75.62	(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

**BNEL01**

Northeast Laboratory Services, Inc.

**Sample ID:** MAPEP-05-OrW14

PO Box 788

Waterville

ME

04903-0788

Di-n-butylphthalate	<10.0			0.0		(ug/L)
Fluoranthene	13.0	37.6	A	-1.3	QL - 95.13	(ug/L)
Pyrene	11.5	31.1	A	-1.0	QL - 89.40	(ug/L)
Butylbenzylphthalate	<10.0			0.0		(ug/L)
Benzo(a)anthracene	8.64	28.9	A	-1.2	QL - 79.44	(ug/L)
Chrysene	<10.0			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<10.0			0.0		(ug/L)
Di-n-octylphthalate	<10.0			0.0		(ug/L)
Benzo(b)fluoranthene	<10.0			0.0		(ug/L)
Benzo(k)fluoranthene	<10.0			0.0		(ug/L)
Benzo(a)pyrene	<10.0			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<10.0			0.0		(ug/L)
Dibenzo(a,h)anthracene	<10.0			0.0		(ug/L)
Benzo(g,h,i)perylene	<10.0			0.0		(ug/L)
Heptachlor	2.42	2.07	A	0.6	0.38 - 3.76	(ug/L)
4,4'-DDE	2.40	2.52	A	-0.4	0.67 - 4.70	(ug/L)
4,4'-DDD	0.144					(ug/L)
4,4'-DDT	4.02	4.41	A	-0.3	QL - 8.97	(ug/L)

### Flags:

A = Result acceptable

Z-score <=2.0)

W = Result acceptable with warning

2.0 < Z-score <=3.0)

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

CALN01

Caltest Analytical Laboratory

Sample ID: MAPEP-05-OrW14

1885 N. Kelly Road

Napa

CA

94558

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	69.1	81.4	A		-0.6	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	23.4	34.2	A		-1.2	7.93 - 60.51	(ug/L)
Hexachloroethane	28.2	39.5	A		-1.1	8.78 - 70.19	(ug/L)
Nitrobenzene	43.9	52.2	A		-0.7	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	56.2	70.8	A		-1.0	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	26.4	38.5	A		-1.3	9.57 - 67.39	(ug/L)
Naphthalene	29.5	41.9	A		-1.4	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	24.6	41.2	A		-1.3	2.66 - 80.89	(ug/L)
2-Methylphenol	51.8	63.2	A		-0.6	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	42.2	48.3	A		-0.6	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	87.8	94.1	A		-0.3	34.65 - 153.47	(ug/L)
Diethylphthalate	58.2	53.5	A		0.5	27.29 - 79.77	(ug/L)
Hexachlorobenzene	NR	35.7				QL - 110.16	
Anthracene	6.18	34.9	A		-1.3	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	13.6	37.6	A		-1.3	QL - 95.13	(ug/L)
Pyrene	7.11	31.1	A		-1.2	QL - 89.40	(ug/L)
Benzo(a)anthracene	NR	28.9				QL - 79.44	
Heptachlor	1.44	2.07	A		-1.1	0.38 - 3.76	(ug/L)
4,4'-DDE	2.44	2.52	A		-0.4	0.67 - 4.70	(ug/L)
4,4'-DDT	3.18	4.41	A		-0.8	QL - 8.97	(ug/L)

**Flags:** A = Result acceptable Z-score  $\leq 2.0$   
W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$   
N = Result not acceptable Z-score  $> 3.0$   
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

CORE02

STL Denver

Sample ID: MAPEP-05-OrW14

4955 Yarrow St

Arvada

CO

80002

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Aniline	<20.0				0.0		(ug/L)
Phenol	<10.0				0.0		(ug/L)
2-Chlorophenol	102	81.4	A		1.0	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	38.7	34.2	A		0.5	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<10.0				0.0		(ug/L)
Benzyl Alcohol	<10.0				0.0		(ug/L)
1,2-Dichlorobenzene	<10.0				0.0		(ug/L)
Hexachloroethane	44.2	39.5	A		0.5	8.78 - 70.19	(ug/L)
Nitrobenzene	59.3	52.2	A		0.6	17.19 - 87.18	(ug/L)
Isophorone	<10.0				0.0		(ug/L)
2-Nitrophenol	<10.0				0.0		(ug/L)
2,4-Dimethylphenol	79.3	70.8	A		0.6	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<10.0				0.0		(ug/L)
1,2,4-Trichlorobenzene	39.3	38.5	A		0.1	9.57 - 67.39	(ug/L)
Naphthalene	47.4	41.9	A		0.6	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	45.1	41.2	A		0.3	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<10.0				0.0		(ug/L)
2-Methylnaphthalene	<10.0				0.0		(ug/L)
2-Methylphenol	82.4	63.2	A		1.0	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<50.0				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<10.0				0.0		(ug/L)
2,4,6-Trichlorophenol	<10.0				0.0		(ug/L)
2,6-Dichlorophenol	53.1	50.5	A		0.2	15.21 - 85.75	(ug/L)
o-Toluidine	<10.0				0.0		(ug/L)
1,4-Phenylenediamine	<10.0				0.0		(ug/L)
2-Chloronaphthalene	<10.0				0.0		(ug/L)
2-Nitroaniline	<10.0				0.0		(ug/L)
Dimethylphthalate	<10.0				0.0		(ug/L)
Acenaphthylene	<10.0				0.0		(ug/L)
2,6-Dinitrotoluene	48.4	48.3	A		0.0	20.16 - 76.44	(ug/L)
3-Nitroaniline	<10.0				0.0		(ug/L)
Acenaphthene	<10.0				0.0		(ug/L)
2,4-Dinitrotoluene	97.4	94.1	A		0.2	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<10.0				0.0		(ug/L)
4-Chloroaniline	<10.0				0.0		(ug/L)
Dibenzofuran	<10.0				0.0		(ug/L)
4-Nitrophenol	<10.0				0.0		(ug/L)
2-Naphthylamine	<10.0				0.0		(ug/L)
1,4-Naphthoquinone	<50.0				0.0		(ug/L)
Fluorene	<10.0				0.0		(ug/L)
Diethylphthalate	55.5	53.5	A		0.2	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<10.0				0.0		(ug/L)
1,2,4,5-Tetrachlorobenzen	<10.0				0.0		(ug/L)
2,4,5-Trichlorophenol	<10.0				0.0		(ug/L)
Hexachlorobenzene	49.0	35.7	A		0.5	QL - 110.16	(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

CORE02

STL Denver

Sample ID:

MAPEP-05-OrW14

4955 Yarrow St

Arvada

CO

80002

Pentachlorophenol	<50.0			0.0		(ug/L)
4-Nitroanaline	<10.0			0.0		(ug/L)
Phenanthrene	<10.0			0.0		(ug/L)
Anthracene	52.6	34.9	A	0.8	QL - 100.34	(ug/L)
1,4-Dinitrobenzene	<10.0			0.0		(ug/L)
1,3-Dinitrobenzene	37.1	39.1	A	-0.2	2.53 - 75.62	(ug/L)
1,2-Dinitrobenzene	<10.0			0.0		(ug/L)
Pentachlorobenzene	<50.0			0.0		(ug/L)
Pentachloronitrobenzene	<50.0			0.0		(ug/L)
Di-n-butylphthalate	<10.0			0.0		(ug/L)
2,3,4,6-Tetrachlorophenol	<50.0			0.0		(ug/L)
Fluoranthene	46.2	37.6	A	0.4	QL - 95.13	(ug/L)
Pyrene	44.5	31.1	A	0.7	QL - 89.40	(ug/L)
Dinoseb	<10.0			0.0		(ug/L)
Butylbenzylphthalate	<10.0			0.0		(ug/L)
Benzo(a)anthracene	38.3	28.9	A	0.6	QL - 79.44	(ug/L)
Chrysene	<10.0			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<10.0			0.0		(ug/L)
Di-n-octylphthalate	<10.0			0.0		(ug/L)
Benzo(b)fluoranthene	<10.0			0.0		(ug/L)
Benzo(k)fluoranthene	<10.0			0.0		(ug/L)
Benzo(a)pyrene	<10.0			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<10.0			0.0		(ug/L)
Dibenzo(a,h)anthracene	<10.0			0.0		(ug/L)
Benzo(g,h,i)perylene	<10.0			0.0		(ug/L)
Heptachlor	NR	2.07			0.38 - 3.76	
4,4'-DDE	NR	2.52			0.67 - 4.70	
4,4'-DDT	NR	4.41			QL - 8.97	

### Flags:

- A = Result acceptable Z-score <=2.0)
- W = Result acceptable with warning 2.0 < Z-score <=3.0)
- N = Result not acceptable Z-score > 3.0)
- L = Uncertainty potentially too low (for information purposes only)
- H = Uncertainty potentially too high (for information purposes only)
- QL = Quantitation Limit
- RW = Report Warning
- NR = Not Reported



# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

DAFI01

Davis & Floyd, Inc.

Sample ID: MAPEP-05-OrW14

PO Drawer 428

Greenwood

SC

29648

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Aniline	<10.0				0.0		(ug/L)
Phenol	<10.0				0.0		(ug/L)
2-Chlorophenol	54.7	81.4	A		-1.3	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	25.9	34.2	A		-0.9	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<10.0				0.0		(ug/L)
Benzyl Alcohol	<10.0				0.0		(ug/L)
1,2-Dichlorobenzene	<10.0				0.0		(ug/L)
Hexachloroethane	30.0	39.5	A		-0.9	8.78 - 70.19	(ug/L)
Nitrobenzene	35.4	52.2	A		-1.4	17.19 - 87.18	(ug/L)
Isophorone	<10.0				0.0		(ug/L)
2-Nitrophenol	<10.0				0.0		(ug/L)
2,4-Dimethylphenol	52.9	70.8	A		-1.2	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<10.0				0.0		(ug/L)
1,2,4-Trichlorobenzene	30.6	38.5	A		-0.8	9.57 - 67.39	(ug/L)
Naphthalene	31.9	41.9	A		-1.1	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	33.3	41.2	A		-0.6	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<10.0				0.0		(ug/L)
2-Methylnaphthalene	<10.0				0.0		(ug/L)
2-Methylphenol	47.7	63.2	A		-0.8	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<10.0				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<10.0				0.0		(ug/L)
2,4,6-Trichlorophenol	<10.0				0.0		(ug/L)
2,6-Dichlorophenol	39.6	50.5	A		-0.9	15.21 - 85.75	(ug/L)
o-Toluidine	<10.0				0.0		(ug/L)
1,4-Phenylenediamine	4.9						(ug/L)
2-Chloronaphthalene	<10.0				0.0		(ug/L)
2-Nitroaniline	<10.0				0.0		(ug/L)
Dimethylphthalate	<10.0				0.0		(ug/L)
Acenaphthylene	<10.0				0.0		(ug/L)
2,6-Dinitrotoluene	35.4	48.3	A		-1.4	20.16 - 76.44	(ug/L)
3-Nitroaniline	<10.0				0.0		(ug/L)
Acenaphthene	<10.0				0.0		(ug/L)
2,4-Dinitrotoluene	75.9	94.1	A		-0.9	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<25				0.0		(ug/L)
4-Chloroaniline	<10.0				0.0		(ug/L)
Dibenzofuran	<10.0				0.0		(ug/L)
4-Nitrophenol	<25.0				0.0		(ug/L)
2-Naphthylamine	<10.0				0.0		(ug/L)
1,4-Naphthoquinone	<10.0				0.0		(ug/L)
Fluorene	<10.0				0.0		(ug/L)
Diethylphthalate	38.1	53.5	A		-1.8	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<25.0				0.0		(ug/L)
1,2,4,5-Tetrachlorobenzen	<10				0.0		(ug/L)
2,4,5-Trichlorophenol	<10.0				0.0		(ug/L)
Hexachlorobenzene	13.6	35.7	A		-0.9	QL - 110.16	(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

DAFI01

Davis & Floyd, Inc.

Sample ID: MAPEP-05-OrW14

PO Drawer 428

Greenwood

SC

29648

Pentachlorophenol	<25.0			0.0		(ug/L)
4-Nitroanaline	<10.0			0.0		(ug/L)
Phenanthrene	<10.0			0.0		(ug/L)
Anthracene	16.2	34.9	A	-0.9	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	26.1	39.1	A	-1.1	2.53 - 75.62	(ug/L)
Pentachlorobenzene	<10.0			0.0		(ug/L)
Pentachloronitrobenzene	<10.0			0.0		(ug/L)
Di-n-butylphthalate	<10.0			0.0		(ug/L)
2,3,4,6-Tetrachlorophenol	<10.0			0.0		(ug/L)
Fluoranthene	20.3	37.6	A	-0.9	QL - 95.13	(ug/L)
Pyrene	14.3	31.1	A	-0.9	QL - 89.40	(ug/L)
Dinoseb	<25.0			0.0		(ug/L)
Butylbenzylphthalate	<10.0			0.0		(ug/L)
Benzo(a)anthracene	10.5	28.9	A	-1.1	QL - 79.44	(ug/L)
Chrysene	<10.0			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<10.0			0.0		(ug/L)
Di-n-octylphthalate	<10.0			0.0		(ug/L)
Benzo(b)fluoranthene	<10.0			0.0		(ug/L)
Benzo(k)fluoranthene	<10.0			0.0		(ug/L)
Benzo(a)pyrene	<10.0			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<10.0			0.0		(ug/L)
Dibenzo(a,h)anthracene	<10.0			0.0		(ug/L)
Benzo(g,h,i)perylene	<10.0			0.0		(ug/L)
alpha-BHC	<0.050			0.0		(ug/L)
beta-BHC	<0.050			0.0		(ug/L)
gamma-BHC (Lindane)	<0.050			0.0		(ug/L)
delta-BHC	<0.050			0.0		(ug/L)
Heptachlor	2.1	2.07	A	0.1	0.38 - 3.76	(ug/L)
Aldrin	<0.050			0.0		(ug/L)
Heptachlor epoxide	<0.050			0.0		(ug/L)
Endosulfan I	<0.050			0.0		(ug/L)
4,4'-DDE	1.6	2.52	A	-1.6	0.67 - 4.70	(ug/L)
Dieldrin	<0.050			0.0		(ug/L)
Endrin	<0.050			0.0		(ug/L)
4,4'-DDD	<0.050			0.0		(ug/L)
Endosulfan II	<0.050			0.0		(ug/L)
4,4'-DDT	2.6	4.41	A	-1.2	QL - 8.97	(ug/L)
Endrin Aldehyde	<0.050			0.0		(ug/L)
Endosulfan sulfate	<0.050			0.0		(ug/L)
Endrin Ketone	<0.050			0.0		(ug/L)
Methoxychlor	<0.50			0.0		(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

DAFI01

Davis & Floyd, Inc.

Sample ID: MAPEP-05-OrW14

PO Drawer 428

Greenwood

SC

29648

### Flags:

A = Result acceptable Z-score  $\leq 2.0$ )

W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$ )

N = Result not acceptable Z-score  $> 3.0$ )

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

DPAL01

Direct Push Analytical

Sample ID: MAPEP-05-OrW14

7277 Twp. Rd. 95

Findlay

OH

45840

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	67.2	81.4	A		-0.7	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	44.3	34.2	A		1.1	7.93 - 60.51	(ug/L)
Hexachloroethane	50.9	39.5	A		1.1	8.78 - 70.19	(ug/L)
Nitrobenzene	59.2	52.2	A		0.6	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	65	70.8	A		-0.4	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	48.1	38.5	A		1.0	9.57 - 67.39	(ug/L)
Naphthalene	47.6	41.9	A		0.6	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	57.9	41.2	A		1.2	2.66 - 80.89	(ug/L)
2-Methylphenol	35	63.2	A		-1.5	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	49.6	50.5	A		-0.1	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	55.5	48.3	A		0.8	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	117	94.1	A		1.2	34.65 - 153.47	(ug/L)
Diethylphthalate	58.6	53.5	A		0.6	27.29 - 79.77	(ug/L)
Hexachlorobenzene	1.08	35.7	A		-1.4	QL - 110.16	(ug/L)
Anthracene	6.6	34.9	A		-1.3	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	50.2	39.1	A		0.9	2.53 - 75.62	(ug/L)
Di-n-butylphthalate	.22						(ug/L)
Fluoranthene	23.3	37.6	A		-0.7	QL - 95.13	(ug/L)
Pyrene	10.2	31.1	A		-1.1	QL - 89.40	(ug/L)
Benzo(a)anthracene	1.42	28.9	A		-1.6	QL - 79.44	(ug/L)
Bis(2-ethylhexyl)phthalat	.22						(ug/L)
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

**Flags:** A = Result acceptable (Z-score <=2.0)  
W = Result acceptable with warning (2.0 < Z-score <=3.0)  
N = Result not acceptable (Z-score > 3.0)  
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

GENE01

General Engineering Laboratories, LLC

Sample ID: MAPEP-05-OrW14

2040 Savage Road

Charleston

SC

29407

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	78.5	81.4	A		-0.1	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	27.8	34.2	A		-0.7	7.93 - 60.51	(ug/L)
Hexachloroethane	31.6	39.5	A		-0.8	8.78 - 70.19	(ug/L)
Nitrobenzene	55.4	52.2	A		0.3	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	68.0	70.8	A		-0.2	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	35.2	38.5	A		-0.3	9.57 - 67.39	(ug/L)
Naphthalene	42.8	41.9	A		0.1	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	37.1	41.2	A		-0.4	2.66 - 80.89	(ug/L)
2-Methylphenol	59.4	63.2	A		-0.2	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	52.1	50.5	A		0.1	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	49.6	48.3	A		0.1	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	98.5	94.1	A		0.2	34.65 - 153.47	(ug/L)
Diethylphthalate	48.7	53.5	A		-0.6	27.29 - 79.77	(ug/L)
Hexachlorobenzene	51.0	35.7	A		0.6	QL - 110.16	(ug/L)
Anthracene	57.1	34.9	A		1.0	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	50.0	39.1	A		0.9	2.53 - 75.62	(ug/L)
Fluoranthene	51.4	37.6	A		0.7	QL - 95.13	(ug/L)
Pyrene	52.9	31.1	A		1.1	QL - 89.40	(ug/L)
Benzo(a)anthracene	44.2	28.9	A		0.9	QL - 79.44	(ug/L)
Heptachlor	2.32	2.07	A		0.4	0.38 - 3.76	(ug/L)
4,4'-DDE	2.81	2.52	A		0.2	0.67 - 4.70	(ug/L)
4,4'-DDT	5.56	4.41	A		0.8	QL - 8.97	(ug/L)

**Flags:** A = Result acceptable Z-score  $\leq 2.0$   
W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$   
N = Result not acceptable Z-score  $> 3.0$   
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

LOCK01

ICP Analytical Laboratories Department

Sample ID: MAPEP-05-OrW14

CH2M-WG Idaho, LLC

Idaho Falls

ID

83415-5210

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	75	81.4	A		-0.3	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	32	34.2	A		-0.3	7.93 - 60.51	(ug/L)
Hexachloroethane	34	39.5	A		-0.5	8.78 - 70.19	(ug/L)
Nitrobenzene	46	52.2	A		-0.5	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	68	70.8	A		-0.2	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	35	38.5	A		-0.4	9.57 - 67.39	(ug/L)
Naphthalene	38	41.9	A		-0.4	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	35	41.2	A		-0.5	2.66 - 80.89	(ug/L)
2-Methylphenol	59	63.2	A		-0.2	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	38	48.3	A		-1.1	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	73	94.1	A		-1.1	34.65 - 153.47	(ug/L)
Diethylphthalate	47	53.5	A		-0.7	27.29 - 79.77	(ug/L)
Hexachlorobenzene	26	35.7	A		-0.4	QL - 110.16	(ug/L)
Anthracene	27	34.9	A		-0.4	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	26	37.6	A		-0.6	QL - 95.13	(ug/L)
Pyrene	24	31.1	A		-0.4	QL - 89.40	(ug/L)
Benzo(a)anthracene	17	28.9	A		-0.7	QL - 79.44	(ug/L)
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

**Flags:** A = Result acceptable Z-score  $\leq 2.0$   
W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$   
N = Result not acceptable Z-score  $> 3.0$   
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

MARTOI

USEC, Inc.

Sample ID: MAPEP-05-OrW14

Lab COC, Bldg. X-710, Rm 222

Piketon

OH

45661-

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	97.7	81.4	A		0.8	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	39.8	34.2	A		0.6	7.93 - 60.51	(ug/L)
Hexachloroethane	49	39.5	A		0.9	8.78 - 70.19	(ug/L)
Nitrobenzene	62.2	52.2	A		0.9	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	88.3	70.8	A		1.2	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	45.2	38.5	A		0.7	9.57 - 67.39	(ug/L)
Naphthalene	47.1	41.9	A		0.6	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	53.7	41.2	A		0.9	2.66 - 80.89	(ug/L)
2-Methylphenol	82.5	63.2	A		1.0	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	53.7	48.3	A		0.6	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	106	94.1	A		0.6	34.65 - 153.47	(ug/L)
Diethylphthalate	57.2	53.5	A		0.4	27.29 - 79.77	(ug/L)
Hexachlorobenzene	65.5	35.7	A		1.2	QL - 110.16	(ug/L)
Anthracene	54.5	34.9	A		0.9	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	63.2	37.6	A		1.3	QL - 95.13	(ug/L)
Pyrene	53	31.1	A		1.1	QL - 89.40	(ug/L)
Benzo(a)anthracene	46.4	28.9	A		1.0	QL - 79.44	(ug/L)
Heptachlor	0.40	2.07	W		-3.0	0.38 - 3.76	(ug/L)
4,4'-DDE	0.29	2.52	N		-3.6	0.67 - 4.70	(ug/L)
4,4'-DDT	0.40	4.41	W		-2.6	QL - 8.97	(ug/L)

### Flags:

A = Result acceptable

Z-score  $\leq 2.0$ )

W = Result acceptable with warning 2.0 < Z-score  $\leq 3.0$ )

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

MART02

United States Enrichment Corporation

Sample ID: MAPEP-05-OrW14

5600 Hobbs Road

Paducah

KY

42001-

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Aniline	<5				0.0		(ug/L)
Phenol	<5				0.0		(ug/L)
2-Chlorophenol	108	81.4	A		1.2	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	44.1	34.2	A		1.1	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<5				0.0		(ug/L)
Benzyl Alcohol	<5				0.0		(ug/L)
1,2-Dichlorobenzene	<5				0.0		(ug/L)
Hexachloroethane	45.9	39.5	A		0.6	8.78 - 70.19	(ug/L)
Nitrobenzene	63.3	52.2	A		1.0	17.19 - 87.18	(ug/L)
Isophorone	<5				0.0		(ug/L)
2-Nitrophenol	<5				0.0		(ug/L)
2,4-Dimethylphenol	74.8	70.8	A		0.3	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<5				0.0		(ug/L)
1,2,4-Trichlorobenzene	52.3	38.5	A		1.4	9.57 - 67.39	(ug/L)
Naphthalene	53.0	41.9	A		1.3	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	53.7	41.2	A		0.9	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<5				0.0		(ug/L)
2-Methylnaphthalene	<5				0.0		(ug/L)
2-Methylphenol	70.7	63.2	A		0.4	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<5				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<5				0.0		(ug/L)
2,4,6-Trichlorophenol	<5				0.0		(ug/L)
2,6-Dichlorophenol	69.3	50.5	A		1.6	15.21 - 85.75	(ug/L)
2-Chloronaphthalene	<5				0.0		(ug/L)
2-Nitroaniline	<5				0.0		(ug/L)
Dimethylphthalate	<5				0.0		(ug/L)
Acenaphthylene	<5				0.0		(ug/L)
2,6-Dinitrotoluene	59.7	48.3	A		1.2	20.16 - 76.44	(ug/L)
3-Nitroaniline	<5				0.0		(ug/L)
Acenaphthene	<5				0.0		(ug/L)
2,4-Dinitrotoluene	118	94.1	A		1.2	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<5				0.0		(ug/L)
4-Chloroaniline	<5				0.0		(ug/L)
Dibenzofuran	<5				0.0		(ug/L)
4-Nitrophenol	<5				0.0		(ug/L)
Fluorene	<5				0.0		(ug/L)
Diethylphthalate	59.4	53.5	A		0.7	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<5				0.0		(ug/L)
2,4,5-Trichlorophenol	<5				0.0		(ug/L)
Hexachlorobenzene	65.8	35.7	A		1.2	QL - 110.16	(ug/L)
Pentachlorophenol	<5				0.0		(ug/L)
4-Nitroaniline	<5				0.0		(ug/L)
Phenanthrene	<5				0.0		(ug/L)
Anthracene	60.4	34.9	A		1.2	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	



# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

MART02

United States Enrichment Corporation

Sample ID: MAPEP-05-OrW14

5600 Hobbs Road

Paducah KY 42001-

Di-n-butylphthalate	<5			0.0		(ug/L)
Fluoranthene	65.0	37.6	A	1.4	QL - 95.13	(ug/L)
Pyrene	50.8	31.1	A	1.0	QL - 89.40	(ug/L)
Butylbenzylphthalate	<5			0.0		(ug/L)
Benzo(a)anthracene	48.9	28.9	A	1.2	QL - 79.44	(ug/L)
Chrysene	<5			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<5			0.0		(ug/L)
Di-n-octylphthalate	<5			0.0		(ug/L)
Benzo(b)fluoranthene	<5			0.0		(ug/L)
Benzo(k)fluoranthene	<5			0.0		(ug/L)
Benzo(a)pyrene	<5			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<5			0.0		(ug/L)
Dibenzo(a,h)anthracene	<5			0.0		(ug/L)
Benzo(g,h,i)perylene	<5			0.0		(ug/L)
Heptachlor	NR	2.07			0.38 - 3.76	
4,4'-DDE	NR	2.52			0.67 - 4.70	
4,4'-DDT	NR	4.41			QL - 8.97	

### Flags:

A = Result acceptable

Z-score  $\leq 2.0$ )

W = Result acceptable with warning 2.0 < Z-score  $\leq 3.0$ )

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

NARL01

National Air and Radiation Environmental Laboratory

Sample ID: MAPEP-05-OrW14

540 S. Morris Ave.

Montgomery

AL

36115-2601

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	90	81.4	A		0.4	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	39	34.2	A		0.5	7.93 - 60.51	(ug/L)
Hexachloroethane	40	39.5	A		0.1	8.78 - 70.19	(ug/L)
Nitrobenzene	57	52.2	A		0.4	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	73	70.8	A		0.1	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	40	38.5	A		0.2	9.57 - 67.39	(ug/L)
Naphthalene	43	41.9	A		0.1	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	21	41.2	A		-1.6	2.66 - 80.89	(ug/L)
2-Methylphenol	60	63.2	A		-0.2	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	50	50.5	A		0.0	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	51	48.3	A		0.3	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	97	94.1	A		0.1	34.65 - 153.47	(ug/L)
Diethylphthalate	50	53.5	A		-0.4	27.29 - 79.77	(ug/L)
Hexachlorobenzene	10	35.7	A		-1.0	QL - 110.16	(ug/L)
Anthracene	12	34.9	A		-1.1	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	34	37.6	A		-0.2	QL - 95.13	(ug/L)
Pyrene	20	31.1	A		-0.6	QL - 89.40	(ug/L)
Benzo(a)anthracene	12	28.9	A		-1.0	QL - 79.44	(ug/L)
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

### Flags:

- A = Result acceptable
- W = Result acceptable with warning
- N = Result not acceptable
- L = Uncertainty potentially too low (for information purposes only)
- H = Uncertainty potentially too high (for information purposes only)
- QL = Quantitation Limit
- RW = Report Warning
- NR = Not Reported

Z-score <=2.0)

2.0 < Z-score <=3.0)

Z-score > 3.0)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

NMLA01

Assaigai Analytical Laboratories

Sample ID: MAPEP-05-OrW14

4301 Masthead NE

Albuquerque

NM

87109

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Phenol	<10				0.0		(ug/L)
2-Chlorophenol	6.2	81.4	N		-3.5	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	19	34.2	A		-1.7	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<2				0.0		(ug/L)
Benzyl Alcohol	<5				0.0		(ug/L)
1,2-Dichlorobenzene	<2				0.0		(ug/L)
Hexachloroethane	18	39.5	W		-2.1	8.78 - 70.19	(ug/L)
Nitrobenzene	38	52.2	A		-1.2	17.19 - 87.18	(ug/L)
Isophorone	<2				0.0		(ug/L)
2-Nitrophenol	<10				0.0		(ug/L)
2,4-Dimethylphenol	31	70.8	W		-2.6	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<10				0.0		(ug/L)
1,2,4-Trichlorobenzene	23	38.5	A		-1.6	9.57 - 67.39	(ug/L)
Naphthalene	29	41.9	A		-1.5	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	<20	41.2	N		0.0	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<10				0.0		(ug/L)
2-Methylnaphthalene	<2				0.0		(ug/L)
2-Methylphenol	22	63.2	W		-2.2	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<20				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<2				0.0		(ug/L)
2,4,6-Trichlorophenol	<10				0.0		(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2-Chloronaphthalene	<2				0.0		(ug/L)
2-Nitroaniline	<10				0.0		(ug/L)
Dimethylphthalate	<2				0.0		(ug/L)
Acenaphthylene	<2				0.0		(ug/L)
2,6-Dinitrotoluene	34	48.3	A		-1.5	20.16 - 76.44	(ug/L)
3-Nitroaniline	<10				0.0		(ug/L)
Acenaphthene	<2				0.0		(ug/L)
2,4-Dinitrotoluene	59	94.1	A		-1.8	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<20				0.0		(ug/L)
4-Chloroaniline	<10				0.0		(ug/L)
Dibenzofuran	<2				0.0		(ug/L)
4-Nitrophenol	<20				0.0		(ug/L)
Fluorene	<2				0.0		(ug/L)
Diethylphthalate	27	53.5	N		-3.0	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<20				0.0		(ug/L)
2,4,5-Trichlorophenol	<10				0.0		(ug/L)
Hexachlorobenzene	24	35.7	A		-0.5	QL - 110.16	(ug/L)
Pentachlorophenol	<80				0.0		(ug/L)
4-Nitroaniline	<10				0.0		(ug/L)
Phenanthrene	<2				0.0		(ug/L)
Anthracene	26	34.9	A		-0.4	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Di-n-butylphthalate	<2				0.0		(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

NMLA01

Assaigai Analytical Laboratories

Sample ID: MAPEP-05-OrW14

4301 Masthead NE

Albuquerque

NM

87109

2,3,4,6-Tetrachlorophenol	<10			0.0		(ug/L)
Fluoranthene	29	37.6	A	-0.5	QL - 95.13	(ug/L)
Pyrene	22	31.1	A	-0.5	QL - 89.40	(ug/L)
Butylbenzylphthalate	<2			0.0		(ug/L)
Benzo(a)anthracene	20	28.9	A	-0.5	QL - 79.44	(ug/L)
Chrysene	<2			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<10			0.0		(ug/L)
Di-n-octylphthalate	<2			0.0		(ug/L)
Benzo(b)fluoranthene	<2			0.0		(ug/L)
Benzo(k)fluoranthene	<2			0.0		(ug/L)
Benzo(a)pyrene	<2			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<2			0.0		(ug/L)
Dibenzo(a,h)anthracene	<2			0.0		(ug/L)
Benzo(g,h,i)perylene	<2			0.0		(ug/L)
alpha-BHC	<0.2			0.0		(ug/L)
beta-BHC	<0.2			0.0		(ug/L)
gamma-BHC (Lindane)	<0.2			0.0		(ug/L)
delta-BHC	<0.2			0.0		(ug/L)
Heptachlor	1.9	2.07	A	-0.3	0.38 - 3.76	(ug/L)
Aldrin	<0.2			0.0		(ug/L)
Heptachlor epoxide	<0.2			0.0		(ug/L)
Endosulfan I	<0.2			0.0		(ug/L)
4,4'-DDE	<0.2	2.52	N	0.0	0.67 - 4.70	(ug/L)
Dieldrin	<0.2			0.0		(ug/L)
Endrin	<0.2			0.0		(ug/L)
4,4'-DDD	<0.2			0.0		(ug/L)
Endosulfan II	<0.2			0.0		(ug/L)
4,4'-DDT	5.6	4.41	A	0.8	QL - 8.97	(ug/L)
Endrin Aldehyde	<0.2			0.0		(ug/L)
Endosulfan sulfate	<0.2			0.0		(ug/L)
Endrin Ketone	<0.2			0.0		(ug/L)
Methoxychlor	<0.2			0.0		(ug/L)

### Flags:

A = Result acceptable

Z-score <=2.0)

W = Result acceptable with warning 2.0 < Z-score <=3.0)

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

OBGL01

O'Brien & Gere Laboratories, Inc.

Sample ID: MAPEP-05-OrW14

PO Box 4873

Syracuse

NY

13221-4873

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Phenol	<10				0.0		(ug/L)
2-Chlorophenol	110	81.4	A		1.3	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	40	34.2	A		0.7	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<10				0.0		(ug/L)
Benzyl Alcohol	<10				0.0		(ug/L)
1,2-Dichlorobenzene	<10				0.0		(ug/L)
Hexachloroethane	52	39.5	A		1.2	8.78 - 70.19	(ug/L)
Nitrobenzene	62	52.2	A		0.8	17.19 - 87.18	(ug/L)
Isophorone	<10				0.0		(ug/L)
2-Nitrophenol	<10				0.0		(ug/L)
2,4-Dimethylphenol	88	70.8	A		1.1	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<10				0.0		(ug/L)
1,2,4-Trichlorobenzene	44.0	38.5	A		0.6	9.57 - 67.39	(ug/L)
Naphthalene	48	41.9	A		0.7	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	53	41.2	A		0.9	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<10				0.0		(ug/L)
2-Methylnaphthalene	<10				0.0		(ug/L)
2-Methylphenol	83	63.2	A		1.0	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<10				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<20				0.0		(ug/L)
2,4,6-Trichlorophenol	<10				0.0		(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2-Nitroaniline	<50				0.0		(ug/L)
Dimethylphthalate	<10				0.0		(ug/L)
Acenaphthylene	<10				0.0		(ug/L)
2,6-Dinitrotoluene	53	48.3	A		0.5	20.16 - 76.44	(ug/L)
3-Nitroaniline	<50				0.0		(ug/L)
Acenaphthene	<10				0.0		(ug/L)
2,4-Dinitrotoluene	110	94.1	A		0.8	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<50				0.0		(ug/L)
4-Chloroaniline	<10				0.0		(ug/L)
Dibenzofuran	<10				0.0		(ug/L)
4-Nitrophenol	<50				0.0		(ug/L)
Fluorene	<10				0.0		(ug/L)
Diethylphthalate	62	53.5	A		1.0	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<10				0.0		(ug/L)
2,4,5-Trichlorophenol	<50				0.0		(ug/L)
Hexachlorobenzene	60	35.7	A		1.0	QL - 110.16	(ug/L)
Pentachlorophenol	<50				0.0		(ug/L)
4-Nitroaniline	<50				0.0		(ug/L)
Phenanthrene	<10				0.0		(ug/L)
Anthracene	57	34.9	A		1.0	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Di-n-butylphthalate	<10				0.0		(ug/L)
Fluoranthene	60	37.6	A		1.2	QL - 95.13	(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

OBGL01

O'Brien & Gere Laboratories, Inc.

Sample ID: MAPEP-05-OrW14

PO Box 4873

Syracuse NY 13221-4873

Pyrene	47	31.1	A	0.8	QL - 89.40	(ug/L)
Butylbenzylphthalate	<10			0.0		(ug/L)
Benzo(a)anthracene	41	28.9	A	0.7	QL - 79.44	(ug/L)
Chrysene	<10			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<10			0.0		(ug/L)
Di-n-octylphthalate	<10			0.0		(ug/L)
Benzo(b)fluoranthene	<10			0.0		(ug/L)
Benzo(k)fluoranthene	<10			0.0		(ug/L)
Benzo(a)pyrene	<10			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<10			0.0		(ug/L)
Dibenzo(a,h)anthracene	<10			0.0		(ug/L)
Benzo(g,h,i)perylene	<10			0.0		(ug/L)
Heptachlor	NR	2.07			0.38 - 3.76	
4,4'-DDE	NR	2.52			0.67 - 4.70	
4,4'-DDT	NR	4.41			QL - 8.97	

**Flags:**  
A = Result acceptable (Z-score  $\leq 2.0$ )  
W = Result acceptable with warning (2.0 < Z-score  $\leq 3.0$ )  
N = Result not acceptable (Z-score > 3.0)  
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

QUAN01

STL St. Louis

Sample ID: MAPEP-05-OrW14

13715 Rider Trail North

Earth City

MO 63045-

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	56.0	81.4	A		-1.2	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	26.6	34.2	A		-0.9	7.93 - 60.51	(ug/L)
Hexachloroethane	31.6	39.5	A		-0.8	8.78 - 70.19	(ug/L)
Nitrobenzene	43.9	52.2	A		-0.7	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	54.1	70.8	A		-1.1	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	31.3	38.5	A		-0.7	9.57 - 67.39	(ug/L)
Naphthalene	35.1	41.9	A		-0.8	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	35.4	41.2	A		-0.5	2.66 - 80.89	(ug/L)
2-Methylphenol	42.2	63.2	A		-1.1	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	30.2	50.5	A		-1.7	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	37.5	48.3	A		-1.1	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	77.7	94.1	A		-0.8	34.65 - 153.47	(ug/L)
Diethylphthalate	43.5	53.5	A		-1.1	27.29 - 79.77	(ug/L)
Hexachlorobenzene	25.2	35.7	A		-0.4	QL - 110.16	(ug/L)
Anthracene	28.8	34.9	A		-0.3	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	22.5	39.1	A		-1.4	2.53 - 75.62	(ug/L)
Fluoranthene	33.4	37.6	A		-0.2	QL - 95.13	(ug/L)
Pyrene	23.3	31.1	A		-0.4	QL - 89.40	(ug/L)
Benzo(a)anthracene	19.3	28.9	A		-0.6	QL - 79.44	(ug/L)
Heptachlor	2.06	2.07	A		0.0	0.38 - 3.76	(ug/L)
4,4'-DDE	3.09	2.52	A		0.6	0.67 - 4.70	(ug/L)
4,4'-DDD	0.140						(ug/L)
4,4'-DDT	5.12	4.41	A		0.5	QL - 8.97	(ug/L)

**Flags:** A = Result acceptable Z-score <=2.0)  
W = Result acceptable with warning 2.0 < Z-score <=3.0)  
N = Result not acceptable Z-score > 3.0)  
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

QUAN02

STL Knoxville

Sample ID: MAPEP-05-OrW14

5815 Middlebrook Pike

Knoxville

TN

37921-

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	75.0	81.4	A		-0.3	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	33.8	34.2	A		0.0	7.93 - 60.51	(ug/L)
Hexachloroethane	40.0	39.5	A		0.1	8.78 - 70.19	(ug/L)
Nitrobenzene	46.7	52.2	A		-0.5	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	62.6	70.8	A		-0.5	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	36.4	38.5	A		-0.2	9.57 - 67.39	(ug/L)
Naphthalene	40.6	41.9	A		-0.2	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	39.9	41.2	A		-0.1	2.66 - 80.89	(ug/L)
2-Methylphenol	64.3	63.2	A		0.1	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	48.2	48.3	A		0.0	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	88.4	94.1	A		-0.3	34.65 - 153.47	(ug/L)
Diethylphthalate	54.4	53.5	A		0.1	27.29 - 79.77	(ug/L)
Hexachlorobenzene	51.7	35.7	A		0.6	QL - 110.16	(ug/L)
Anthracene	51.2	34.9	A		0.7	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	51.3	39.1	A		1.0	2.53 - 75.62	(ug/L)
Fluoranthene	50.3	37.6	A		0.7	QL - 95.13	(ug/L)
Pyrene	43.7	31.1	A		0.6	QL - 89.40	(ug/L)
Benzo(a)anthracene	43.0	28.9	A		0.8	QL - 79.44	(ug/L)
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

### Flags:

A = Result acceptable

Z-score  $\leq 2.0$ )

W = Result acceptable with warning 2.0 < Z-score  $\leq 3.0$ )

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported



# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

RECC01

GEL Laboratories of Ohio, LLC

Sample ID: MAPEP-05-OrW14

6954 Cornell Road

Cincinnati

OH

45242-3025

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	74.7	81.4	A		-0.3	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	28.0	34.2	A		-0.7	7.93 - 60.51	(ug/L)
Hexachloroethane	29.8	39.5	A		-0.9	8.78 - 70.19	(ug/L)
Nitrobenzene	43.6	52.2	A		-0.7	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	65.5	70.8	A		-0.4	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	32.5	38.5	A		-0.6	9.57 - 67.39	(ug/L)
Naphthalene	35.7	41.9	A		-0.7	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	34.2	41.2	A		-0.6	2.66 - 80.89	(ug/L)
2-Methylphenol	NR	63.2				6.47 - 119.98	
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	54.7	48.3	A		0.7	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	103	94.1	A		0.5	34.65 - 153.47	(ug/L)
Diethylphthalate	58.8	53.5	A		0.6	27.29 - 79.77	(ug/L)
Hexachlorobenzene	35.0	35.7	A		0.0	QL - 110.16	(ug/L)
Anthracene	33.8	34.9	A		-0.1	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	42.4	37.6	A		0.2	QL - 95.13	(ug/L)
Pyrene	38	31.1	A		0.4	QL - 89.40	(ug/L)
Benzo(a)anthracene	31.7	28.9	A		0.2	QL - 79.44	(ug/L)
Heptachlor	2.46	2.07	A		0.7	0.38 - 3.76	(ug/L)
4,4'-DDE	3.00	2.52	A		0.5	0.67 - 4.70	(ug/L)
4,4'-DDT	5.68	4.41	A		0.8	QL - 8.97	(ug/L)

**Flags:** A = Result acceptable Z-score  $\leq 2.0$   
W = Result acceptable with warning  $2.0 < \text{Z-score} \leq 3.0$   
N = Result not acceptable Z-score  $> 3.0$   
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

SALC01

Sequoia Analytical

Sample ID: MAPEP-05-OrW14

885 Jarvis Drive

Morgan Hill

CA

95037

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
Phenol	<5.0				0.0		(ug/L)
2-Chlorophenol	88.3	81.4	A		0.3	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	41.9	34.2	A		0.9	7.93 - 60.51	(ug/L)
1,4-Dichlorobenzene	<10				0.0		(ug/L)
Benzyl Alcohol	<10				0.0		(ug/L)
1,2-Dichlorobenzene	<10				0.0		(ug/L)
Hexachloroethane	48.5	39.5	A		0.9	8.78 - 70.19	(ug/L)
Nitrobenzene	61.9	52.2	A		0.8	17.19 - 87.18	(ug/L)
Isophorone	<5.0				0.0		(ug/L)
2-Nitrophenol	<5.0				0.0		(ug/L)
2,4-Dimethylphenol	85.8	70.8	A		1.0	25.44 - 116.24	(ug/L)
2,4-Dichlorophenol	<5.0				0.0		(ug/L)
1,2,4-Trichlorobenzene	49.1	38.5	A		1.1	9.57 - 67.39	(ug/L)
Naphthalene	51.2	41.9	A		1.1	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	62.5	41.2	A		1.6	2.66 - 80.89	(ug/L)
4-Chloro-3-methylphenol	<5.0				0.0		(ug/L)
2-Methylnaphthalene	<5.0				0.0		(ug/L)
2-Methylphenol	67.9	63.2	A		0.2	6.47 - 119.98	(ug/L)
Hexachlorocyclopentadiene	<10				0.0		(ug/L)
3 Methyl & 4-Methylphenol	<5.0				0.0		(ug/L)
2,4,6-Trichlorophenol	<5.0				0.0		(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2-Chloronaphthalene	<5.0				0.0		(ug/L)
2-Nitroaniline	<10				0.0		(ug/L)
Dimethylphthalate	<5.0				0.0		(ug/L)
Acenaphthylene	<5.0				0.0		(ug/L)
2,6-Dinitrotoluene	54.3	48.3	A		0.6	20.16 - 76.44	(ug/L)
3-Nitroaniline	<100				0.0		(ug/L)
Acenaphthene	<5.0				0.0		(ug/L)
2,4-Dinitrotoluene	94.6	94.1	A		0.0	34.65 - 153.47	(ug/L)
2,4-Dinitrophenol	<10				0.0		(ug/L)
4-Chloroaniline	<50				0.0		(ug/L)
Dibenzofuran	<5.0				0.0		(ug/L)
4-Nitrophenol	<10				0.0		(ug/L)
Fluorene	<5.0				0.0		(ug/L)
Diethylphthalate	53.6	53.5	A		0.0	27.29 - 79.77	(ug/L)
4,6-Dinitro-2-methylpheno	<5.0				0.0		(ug/L)
2,4,5-Trichlorophenol	<5.0				0.0		(ug/L)
Hexachlorobenzene	61.2	35.7	A		1.0	QL - 110.16	(ug/L)
Pentachlorophenol	<10				0.0		(ug/L)
4-Nitroaniline	<50				0.0		(ug/L)
Phenanthrene	<5.0				0.0		(ug/L)
Anthracene	58.9	34.9	A		1.1	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Di-n-butylphthalate	<5.0				0.0		(ug/L)

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

*SALC01*

Sequoia Analytical

*Sample ID:* MAPEP-05-OrW14

885 Jarvis Drive

Morgan Hill

CA

95037

Fluoranthene	55.9	37.6	A	1.0	QL - 95.13	(ug/L)
Pyrene	52.3	31.1	A	1.1	QL - 89.40	(ug/L)
Butylbenzylphthalate	<5.0			0.0		(ug/L)
Benzo(a)anthracene	47.1	28.9	A	1.1	QL - 79.44	(ug/L)
Chrysene	<5.0			0.0		(ug/L)
Bis(2-ethylhexyl)phthalat	<10			0.0		(ug/L)
Di-n-octylphthalate	<10			0.0		(ug/L)
Benzo(b)fluoranthene	<5.0			0.0		(ug/L)
Benzo(k)fluoranthene	<5.0			0.0		(ug/L)
Benzo(a)pyrene	<5.0			0.0		(ug/L)
Indeno(1,2,3-c,d)pyrene	<10			0.0		(ug/L)
Dibenzo(a,h)anthracene	<5.0			0.0		(ug/L)
Benzo(g,h,i)perylene	<10			0.0		(ug/L)
Heptachlor	NR	2.07			0.38 - 3.76	
4,4'-DDE	NR	2.52			0.67 - 4.70	
4,4'-DDT	NR	4.41			QL - 8.97	

**Flags:**

A = Result acceptable

Z-score  $\leq 2.0$ )

W = Result acceptable with warning 2.0 < Z-score  $\leq 3.0$ )

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

SOUT01

Southwest Research Institute

Sample ID: MAPEP-05-OrW14

6220 Culebra Rd.

San Antonio

TX

78228-0510

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	104	81.4	A		1.1	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	35.8	34.2	A		0.2	7.93 - 60.51	(ug/L)
Hexachloroethane	39.0	39.5	A		0.0	8.78 - 70.19	(ug/L)
Nitrobenzene	62.8	52.2	A		0.9	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	89.8	70.8	A		1.3	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	42.2	38.5	A		0.4	9.57 - 67.39	(ug/L)
Naphthalene	48.5	41.9	A		0.7	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	38.8	41.2	A		-0.2	2.66 - 80.89	(ug/L)
2-Methylphenol	88.2	63.2	A		1.3	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	NR	50.5				15.21 - 85.75	
2,6-Dinitrotoluene	52.2	48.3	A		0.4	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	118	94.1	A		1.2	34.65 - 153.47	(ug/L)
Diethylphthalate	63.5	53.5	A		1.1	27.29 - 79.77	(ug/L)
Hexachlorobenzene	40.5	35.7	A		0.2	QL - 110.16	(ug/L)
Anthracene	46.2	34.9	A		0.5	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	50.8	37.6	A		0.7	QL - 95.13	(ug/L)
Pyrene	40.5	31.1	A		0.5	QL - 89.40	(ug/L)
Benzo(a)anthracene	34.0	28.9	A		0.3	QL - 79.44	(ug/L)
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

**Flags:** A = Result acceptable Z-score <=2.0  
W = Result acceptable with warning 2.0 < Z-score <=3.0  
N = Result not acceptable Z-score > 3.0  
L = Uncertainty potentially too low (for information purposes only)  
H = Uncertainty potentially too high (for information purposes only)  
QL = Quantitation Limit  
RW = Report Warning  
NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

WEST01

Lionville Laboratory Incorporated

Sample ID: MAPEP-05-OrW14

208 Welsh Pool Road

Lionville

PA

19341-1313

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	85	81.4	A		0.2	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	39	34.2	A		0.5	7.93 - 60.51	(ug/L)
Hexachloroethane	43	39.5	A		0.3	8.78 - 70.19	(ug/L)
Nitrobenzene	51	52.2	A		-0.1	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	74	70.8	A		0.2	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	41	38.5	A		0.3	9.57 - 67.39	(ug/L)
Naphthalene	43	41.9	A		0.1	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	49	41.2	A		0.6	2.66 - 80.89	(ug/L)
2-Methylphenol	68	63.2	A		0.3	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	50	50.5	A		0.0	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	50	48.3	A		0.2	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	100	94.1	A		0.3	34.65 - 153.47	(ug/L)
Diethylphthalate	55	53.5	A		0.2	27.29 - 79.77	(ug/L)
Hexachlorobenzene	43	35.7	A		0.3	QL - 110.16	(ug/L)
Anthracene	42	34.9	A		0.3	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	41	39.1	A		0.2	2.53 - 75.62	(ug/L)
Fluoranthene	49	37.6	A		0.6	QL - 95.13	(ug/L)
Pyrene	36	31.1	A		0.3	QL - 89.40	(ug/L)
Benzo(a)anthracene	32	28.9	A		0.2	QL - 79.44	(ug/L)
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

### Flags:

A = Result acceptable

Z-score <=2.0)

W = Result acceptable with warning 2.0 < Z-score <=3.0)

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

RW = Report Warning

NR = Not Reported

# Mixed Analyte Performance Evaluation Program

## Laboratory Results - Semivolatiles Organics Water

WEST03

Waste Sampling and Characterization Facility

Sample ID: MAPEP-05-OrW14

PO Box 1000, S3-30

Richland

WA

99352

Analyte	Result	Ref Value	Flag	Flag Text	Z Score	Acceptance Range	Units
2-Chlorophenol	86.6	81.4	A		0.2	17.50 - 145.33	(ug/L)
1,3-Dichlorobenzene	37.3	34.2	A		0.4	7.93 - 60.51	(ug/L)
Hexachloroethane	44.3	39.5	A		0.5	8.78 - 70.19	(ug/L)
Nitrobenzene	62.9	52.2	A		0.9	17.19 - 87.18	(ug/L)
2,4-Dimethylphenol	87.1	70.8	A		1.1	25.44 - 116.24	(ug/L)
1,2,4-Trichlorobenzene	44.7	38.5	A		0.6	9.57 - 67.39	(ug/L)
Naphthalene	49.1	41.9	A		0.8	15.60 - 68.28	(ug/L)
Hexachlorobutadiene	44.7	41.2	A		0.2	2.66 - 80.89	(ug/L)
2-Methylphenol	81.0	63.2	A		0.9	6.47 - 119.98	(ug/L)
2,6-Dichlorophenol	61.8	50.5	A		1.0	15.21 - 85.75	(ug/L)
2,6-Dinitrotoluene	54.7	48.3	A		0.7	20.16 - 76.44	(ug/L)
2,4-Dinitrotoluene	102	94.1	A		0.4	34.65 - 153.47	(ug/L)
Diethylphthalate	63.3	53.5	A		1.1	27.29 - 79.77	(ug/L)
Hexachlorobenzene	NR	35.7				QL - 110.16	
Anthracene	6.4	34.9	A		-1.3	QL - 100.34	(ug/L)
1,3-Dinitrobenzene	NR	39.1				2.53 - 75.62	
Fluoranthene	11.9	37.6	A		-1.3	QL - 95.13	(ug/L)
Pyrene	6.8	31.1	A		-1.2	QL - 89.40	(ug/L)
Benzo(a)anthracene	NR	28.9				QL - 79.44	
Heptachlor	NR	2.07				0.38 - 3.76	
4,4'-DDE	NR	2.52				0.67 - 4.70	
4,4'-DDT	NR	4.41				QL - 8.97	

### Flags:

A = Result acceptable

Z-score  $\leq 2.0$ )

W = Result acceptable with warning 2.0 < Z-score  $\leq 3.0$ )

N = Result not acceptable

Z-score > 3.0)

L = Uncertainty potentially too low (for information purposes only)

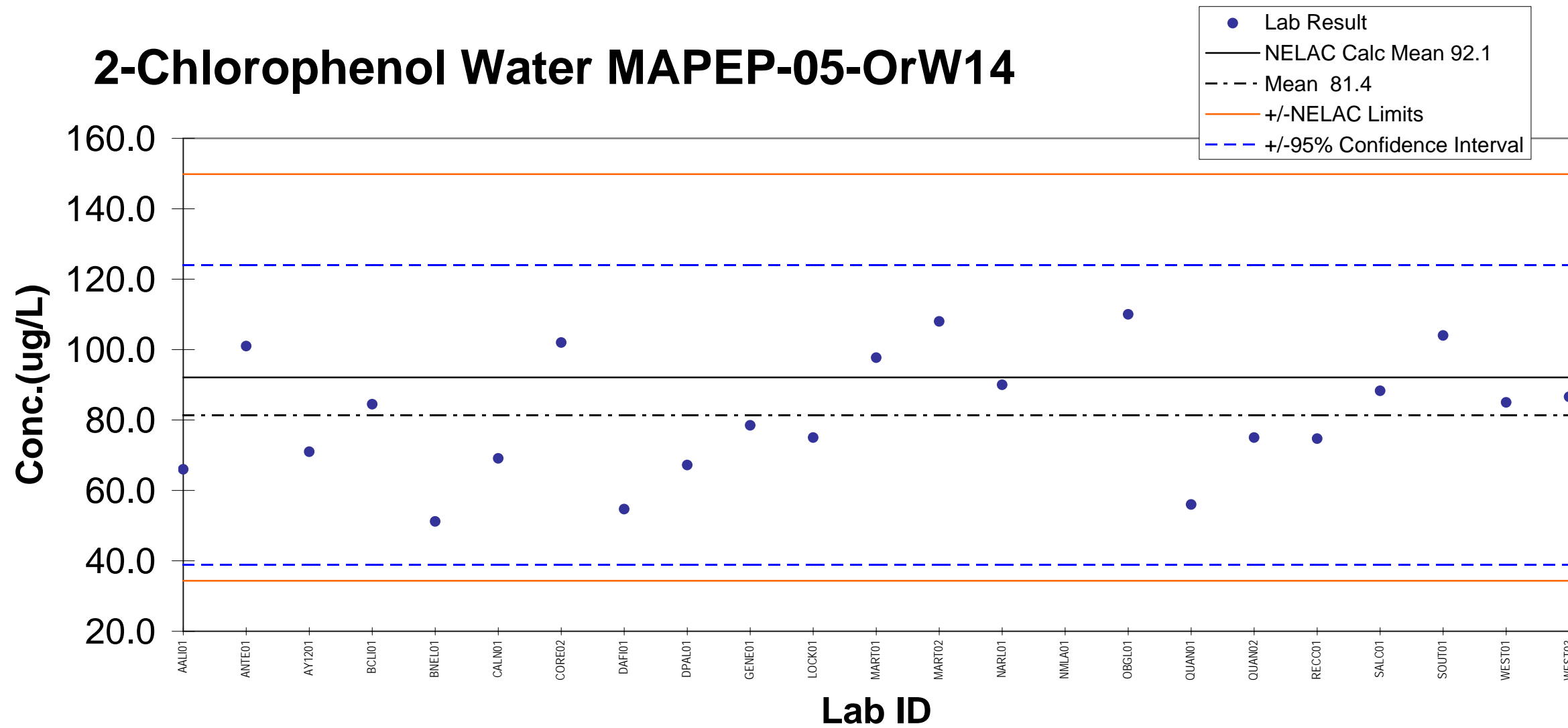
H = Uncertainty potentially too high (for information purposes only)

QL = Quantitation Limit

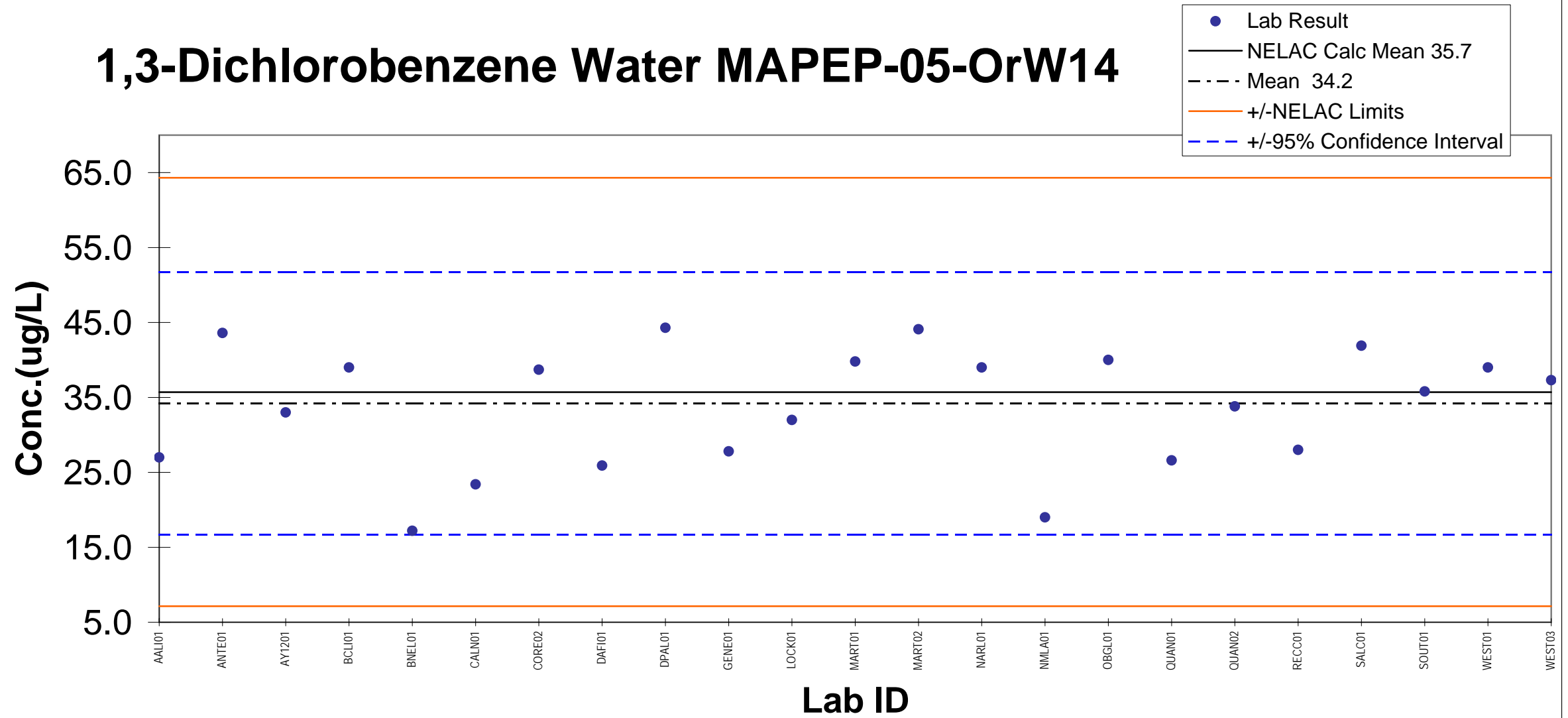
RW = Report Warning

NR = Not Reported

# 2-Chlorophenol Water MAPEP-05-OrW14

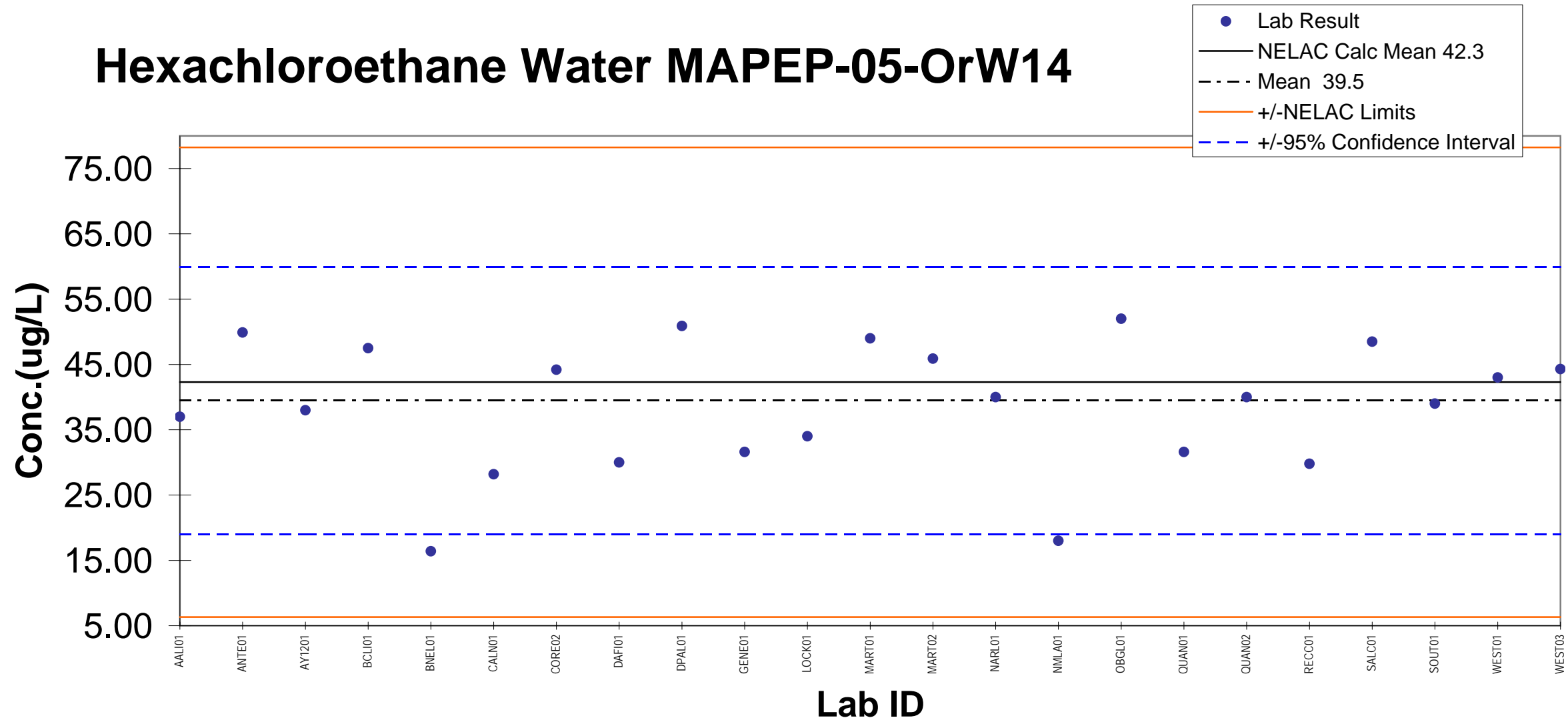


# 1,3-Dichlorobenzene Water MAPEP-05-OrW14

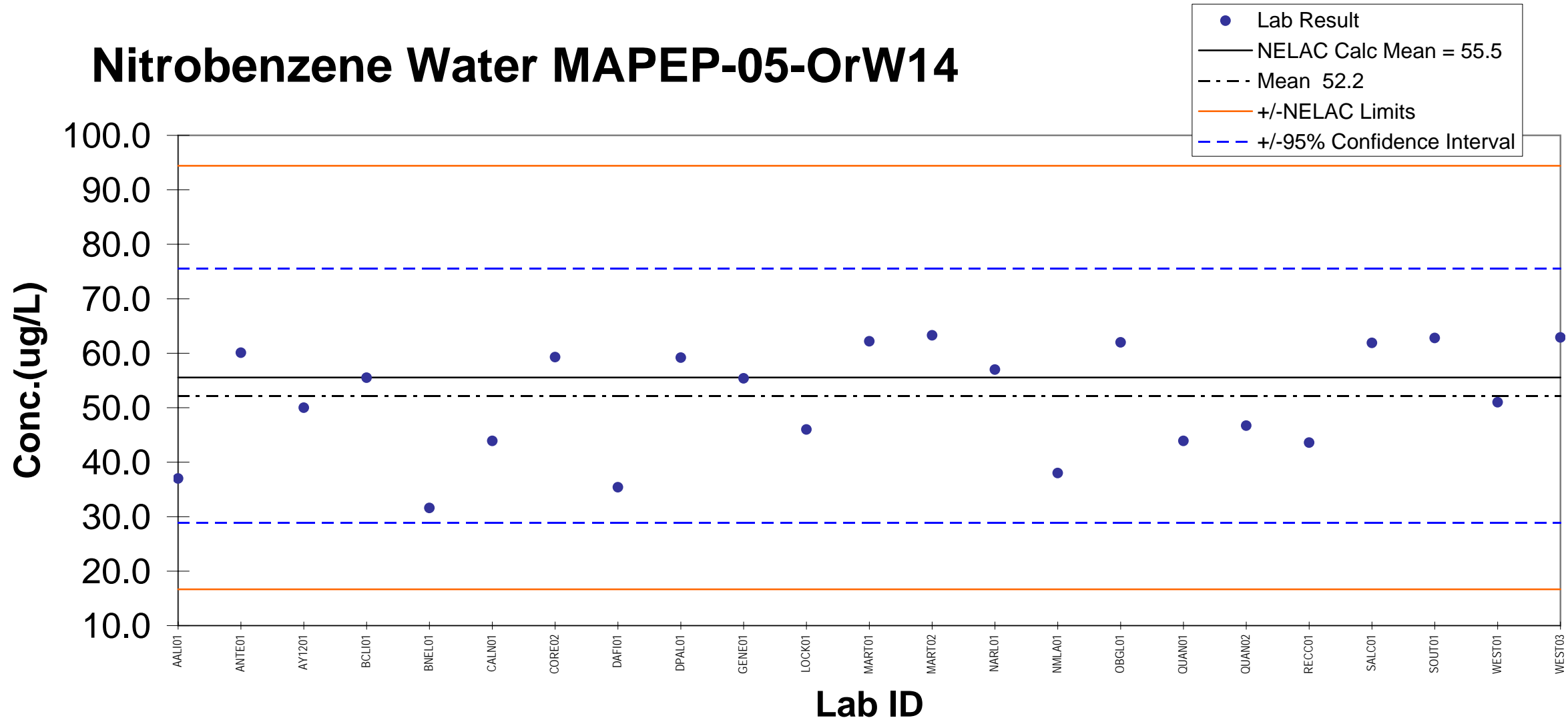




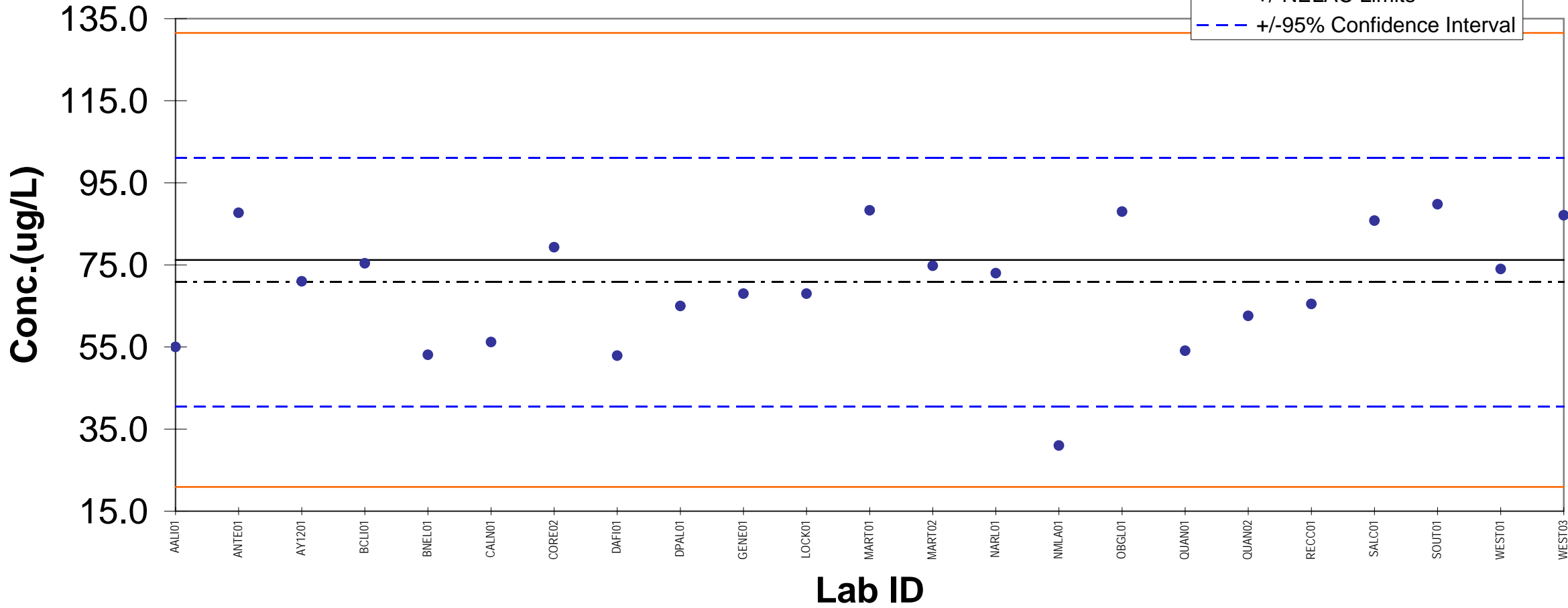
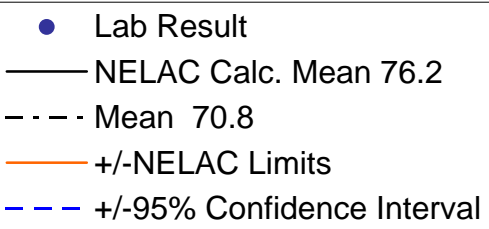
# Hexachloroethane Water MAPEP-05-OrW14



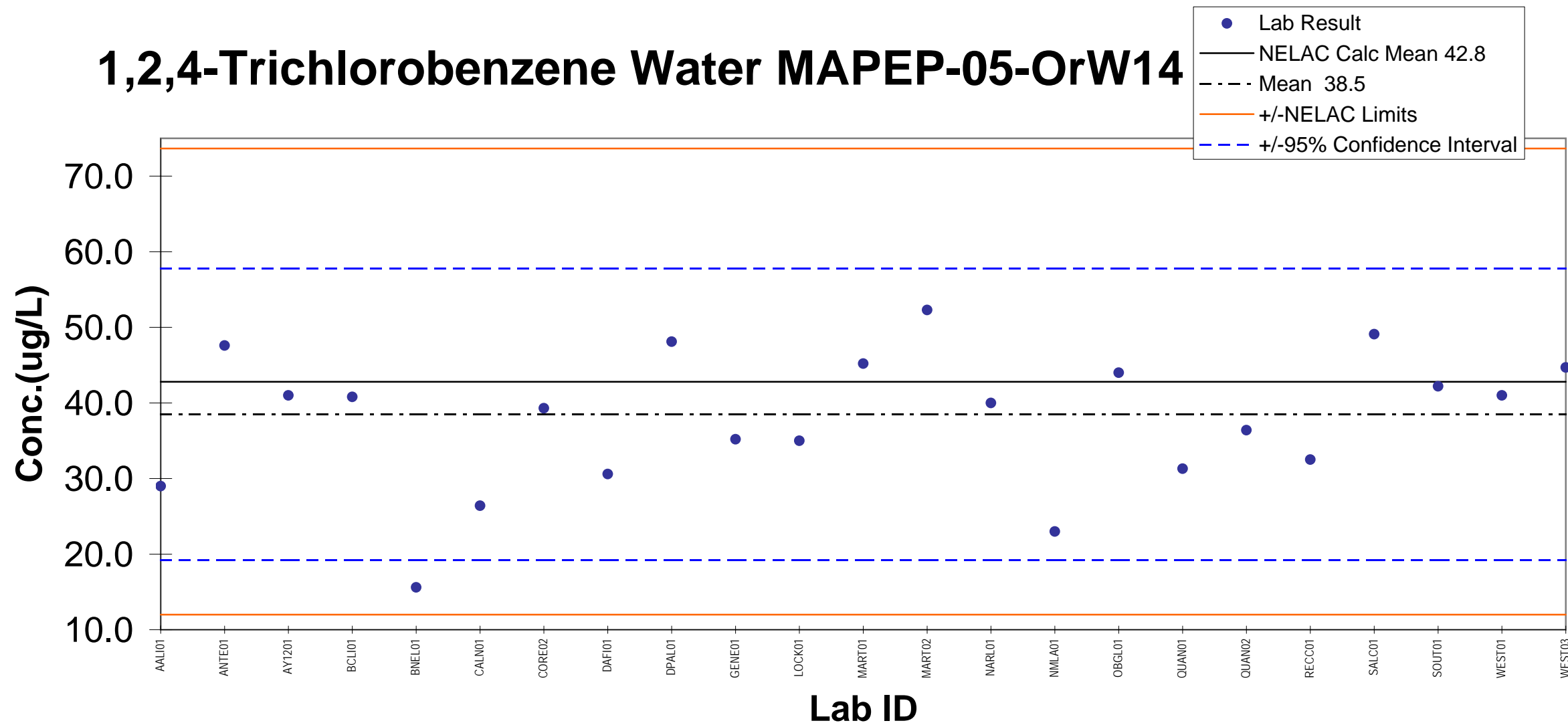
# Nitrobenzene Water MAPEP-05-OrW14



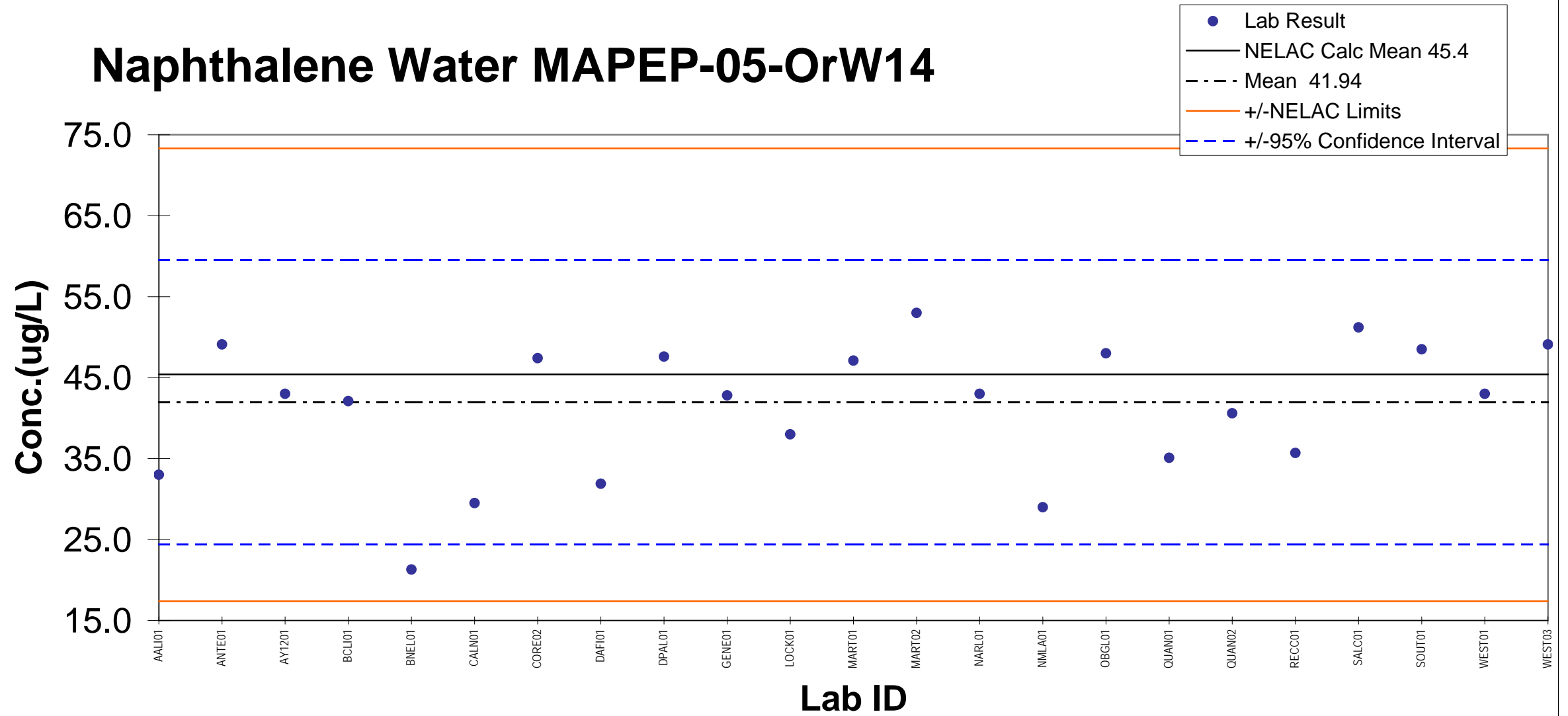
# 2,4-Dimethylphenol Water MAPEP-05-OrW14



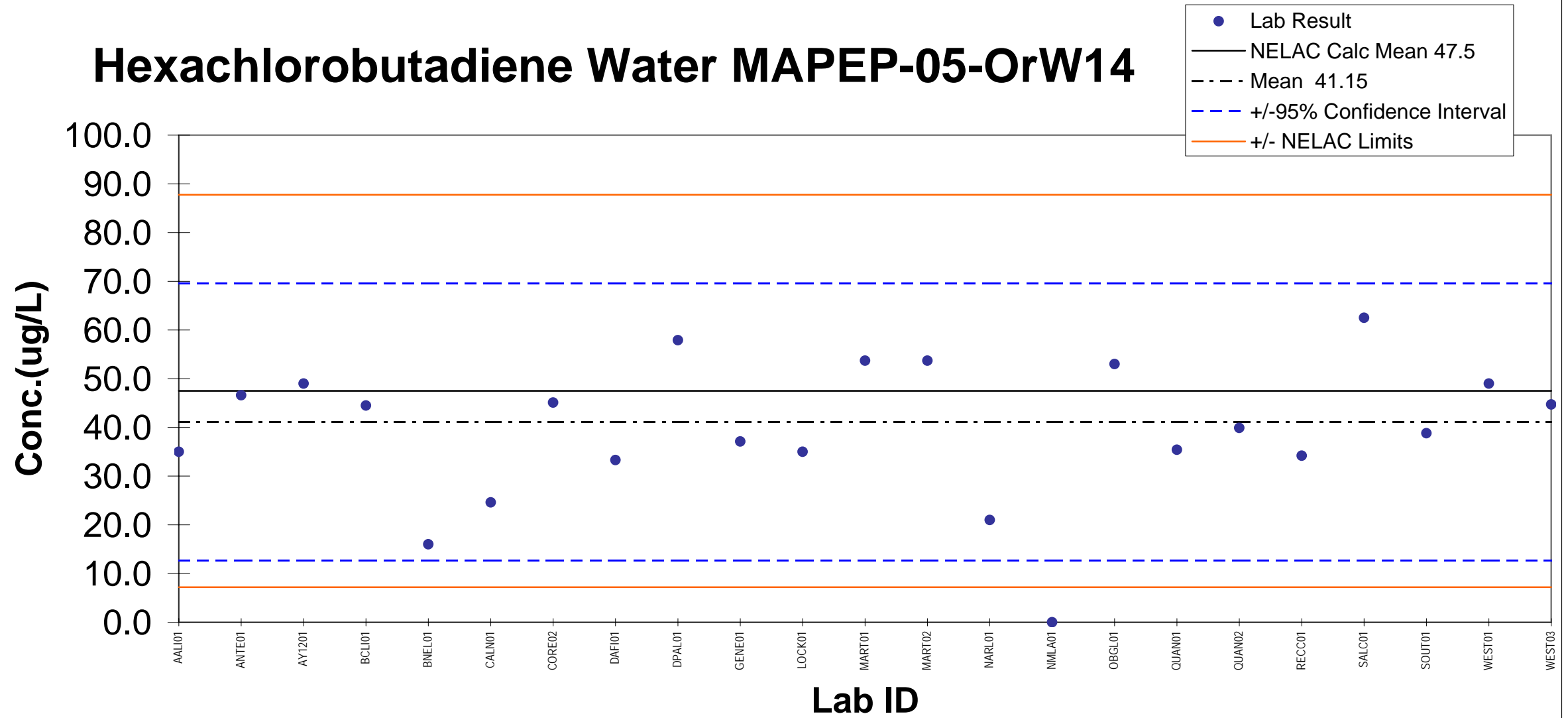
# 1,2,4-Trichlorobenzene Water MAPEP-05-OrW14



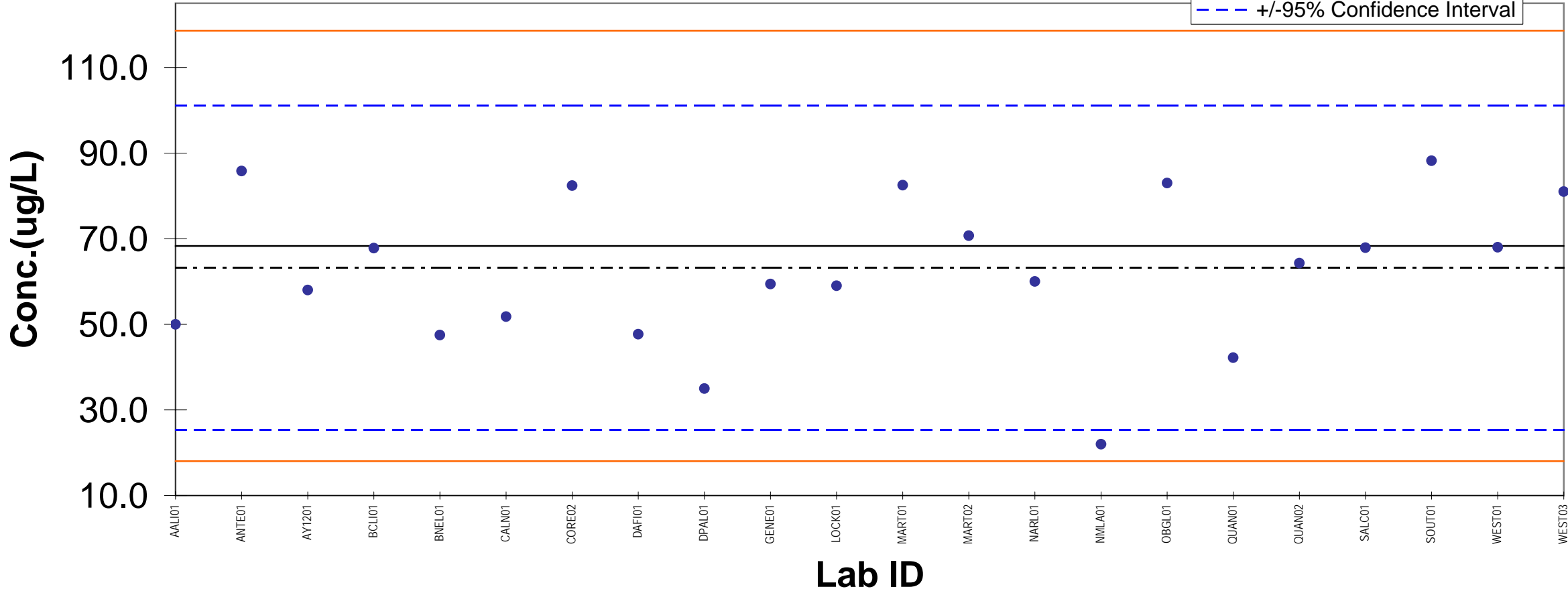
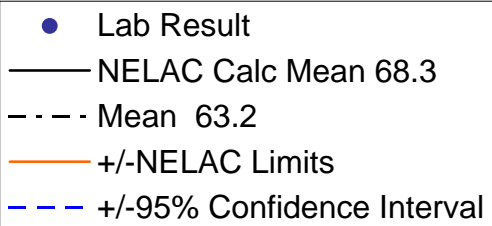
# Naphthalene Water MAPEP-05-OrW14



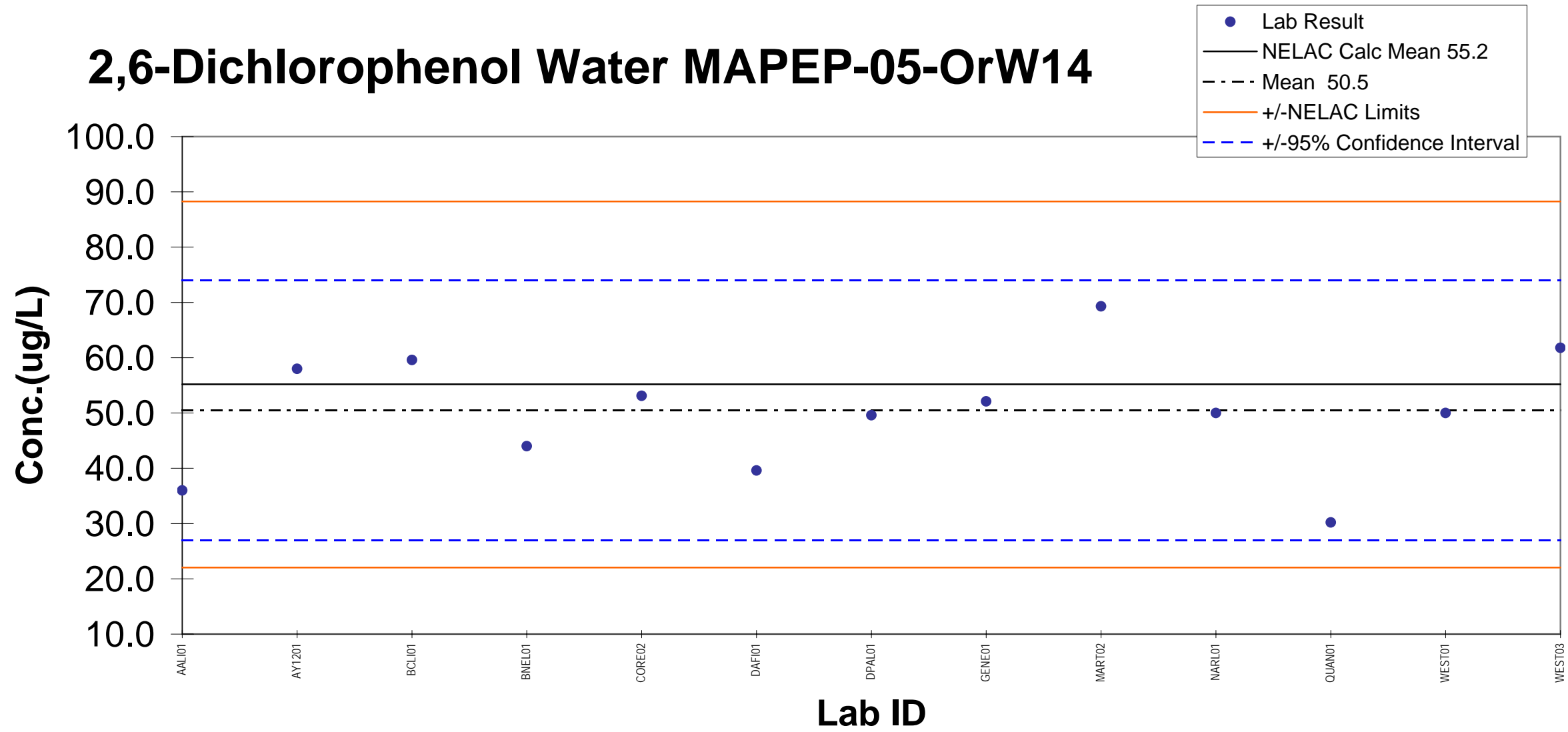
# Hexachlorobutadiene Water MAPEP-05-OrW14



# 2-Methylphenol Water MAPEP-05-OrW14

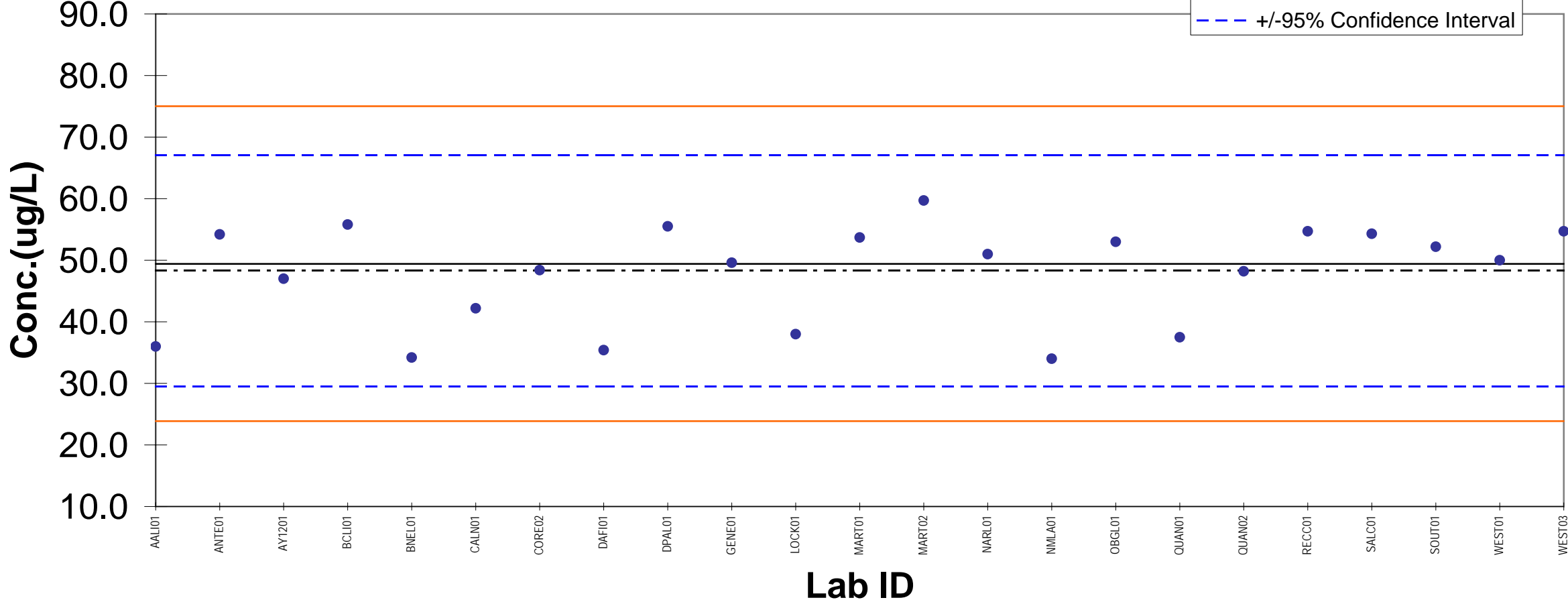
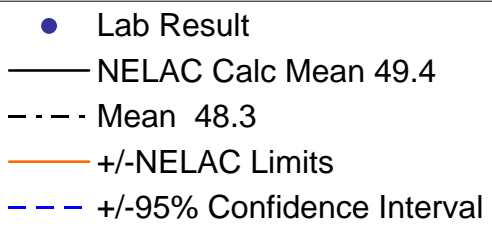


# 2,6-Dichlorophenol Water MAPEP-05-OrW14



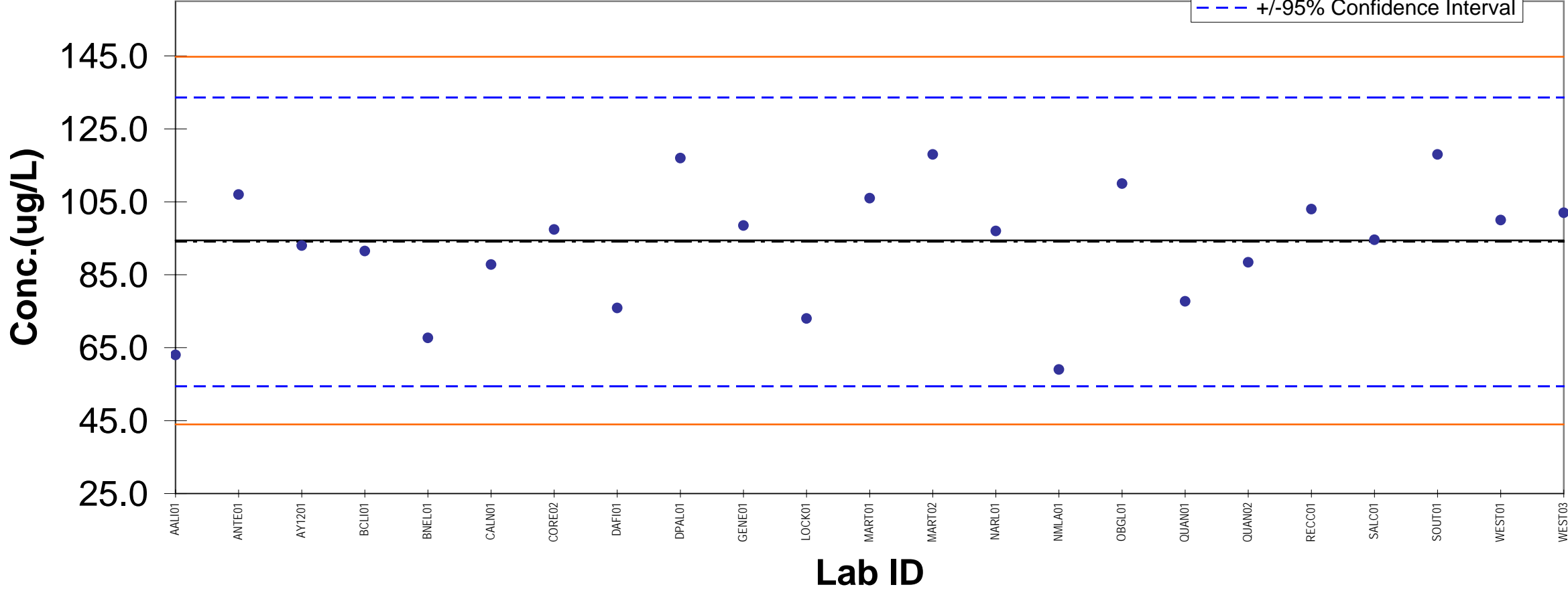


# 2,6-Dinitrotoluene Water MAPEP-05-OrW14

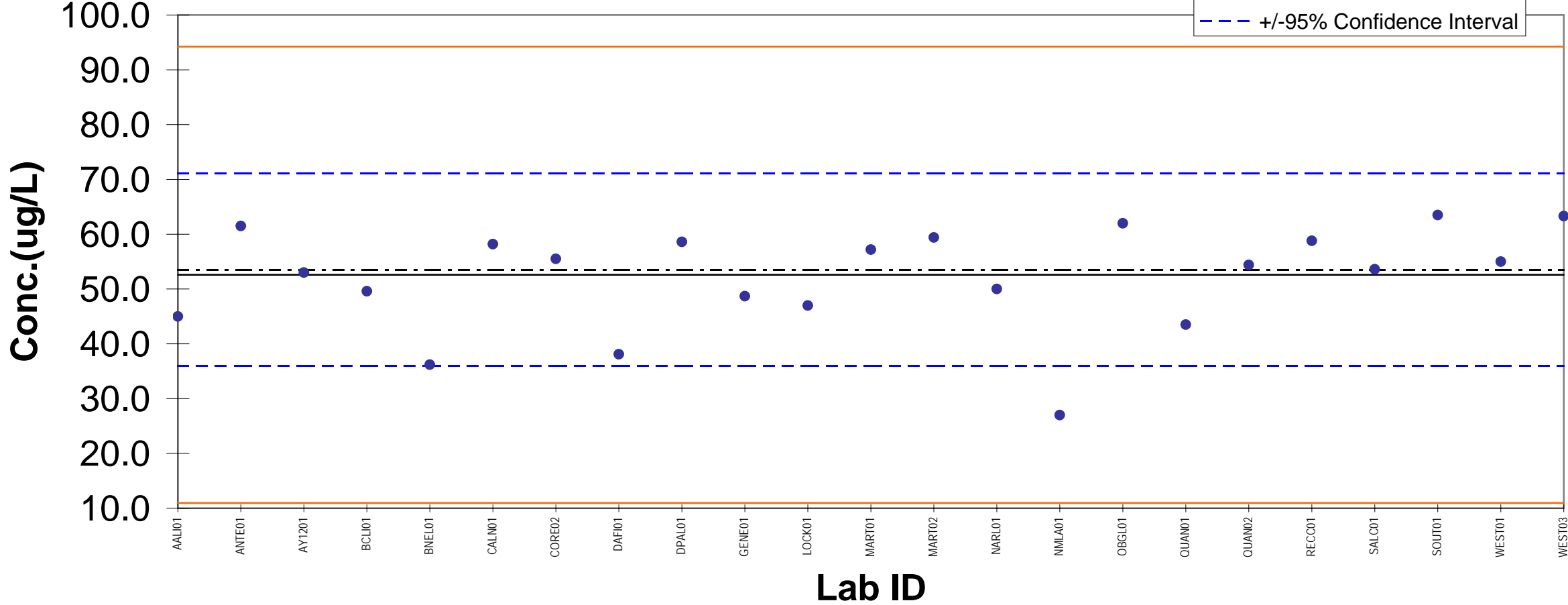
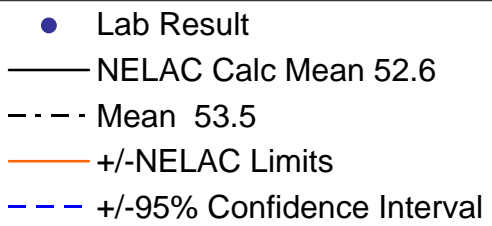


# 2,4-Dinitrotoluene Water MAPEP-05-OrW14

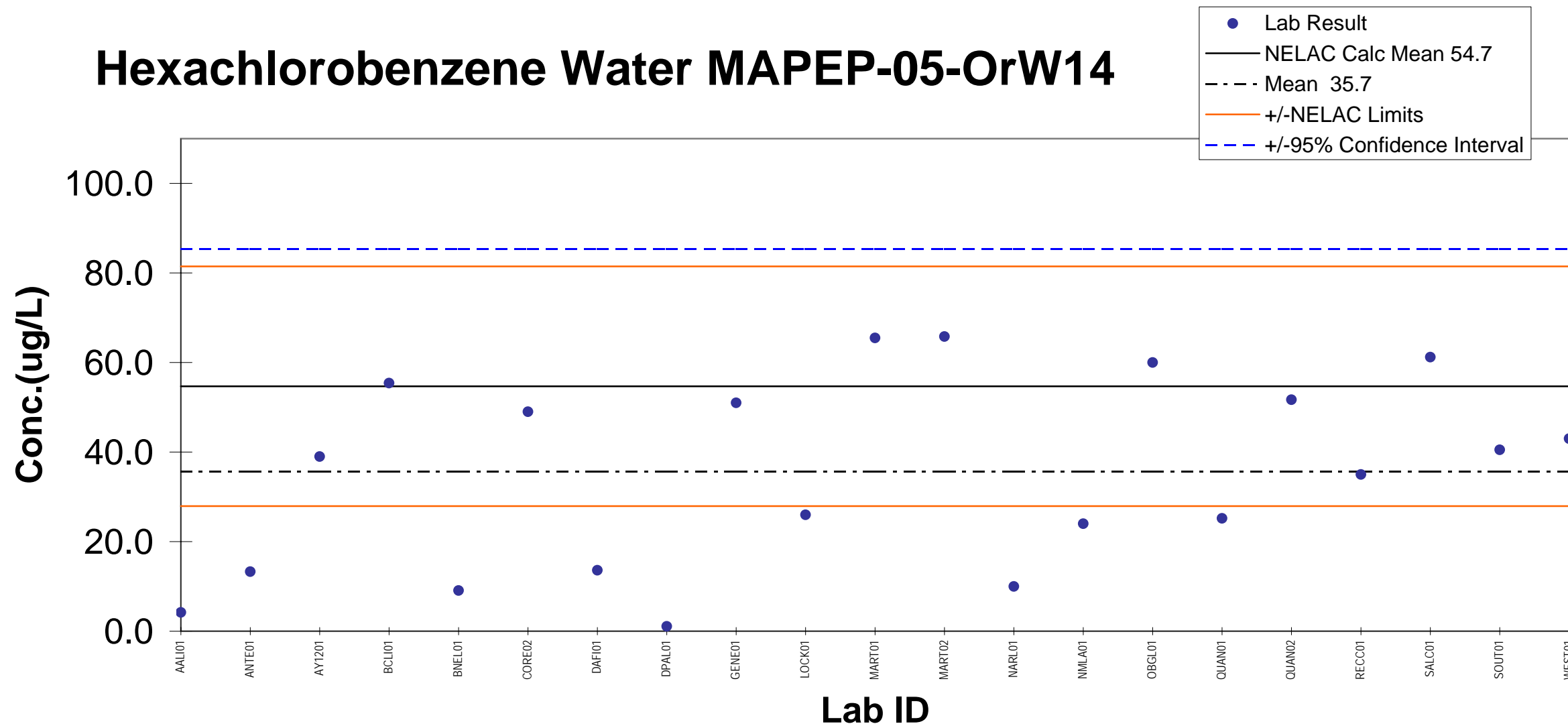
- Lab Result
- NELAC Calc Mean 94.4
- - - Mean 94.1
- +/-NELAC Limits
- - - +/-95% Confidence Interval



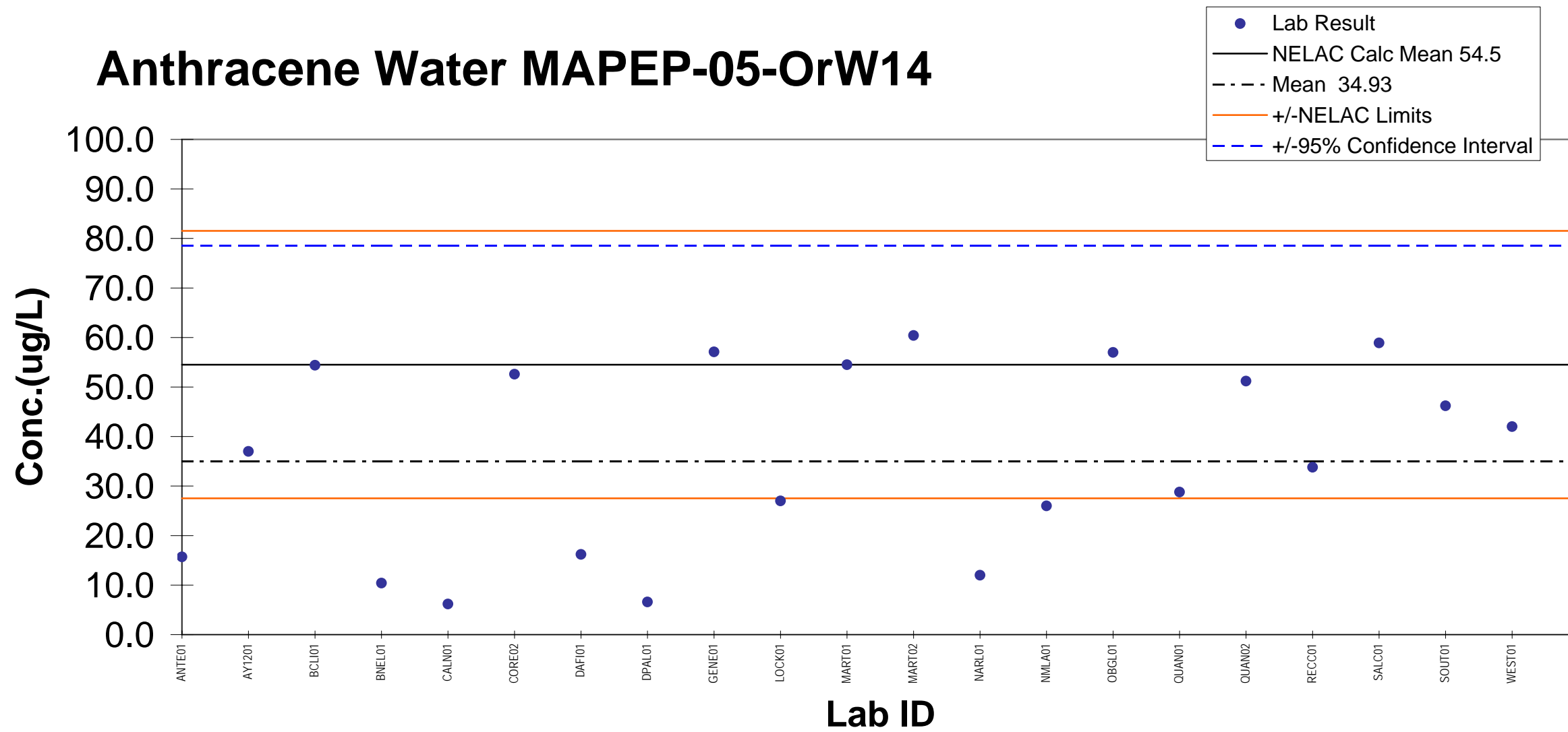
# Diethylphthalate Water MAPEP-05-OrW14



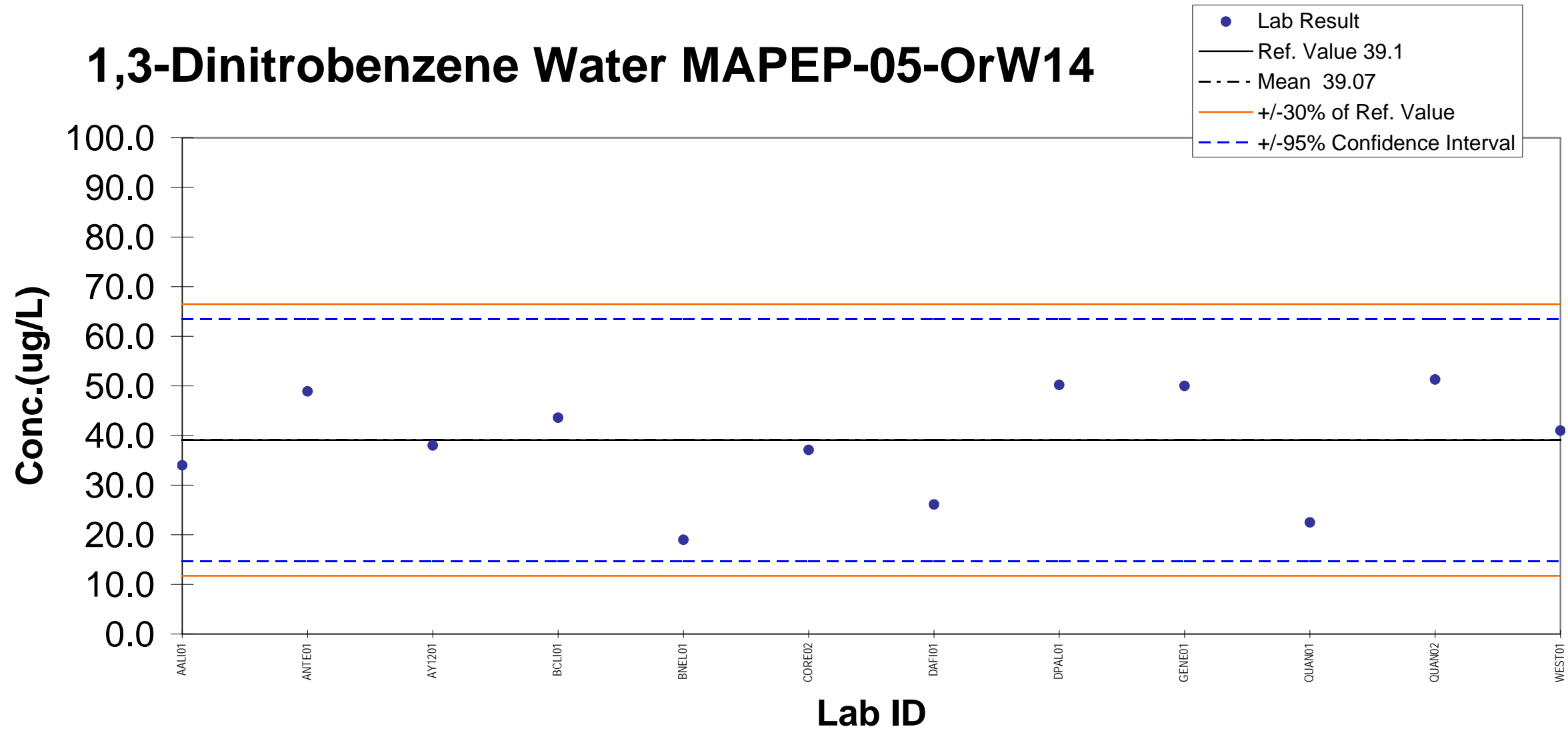
# Hexachlorobenzene Water MAPEP-05-OrW14



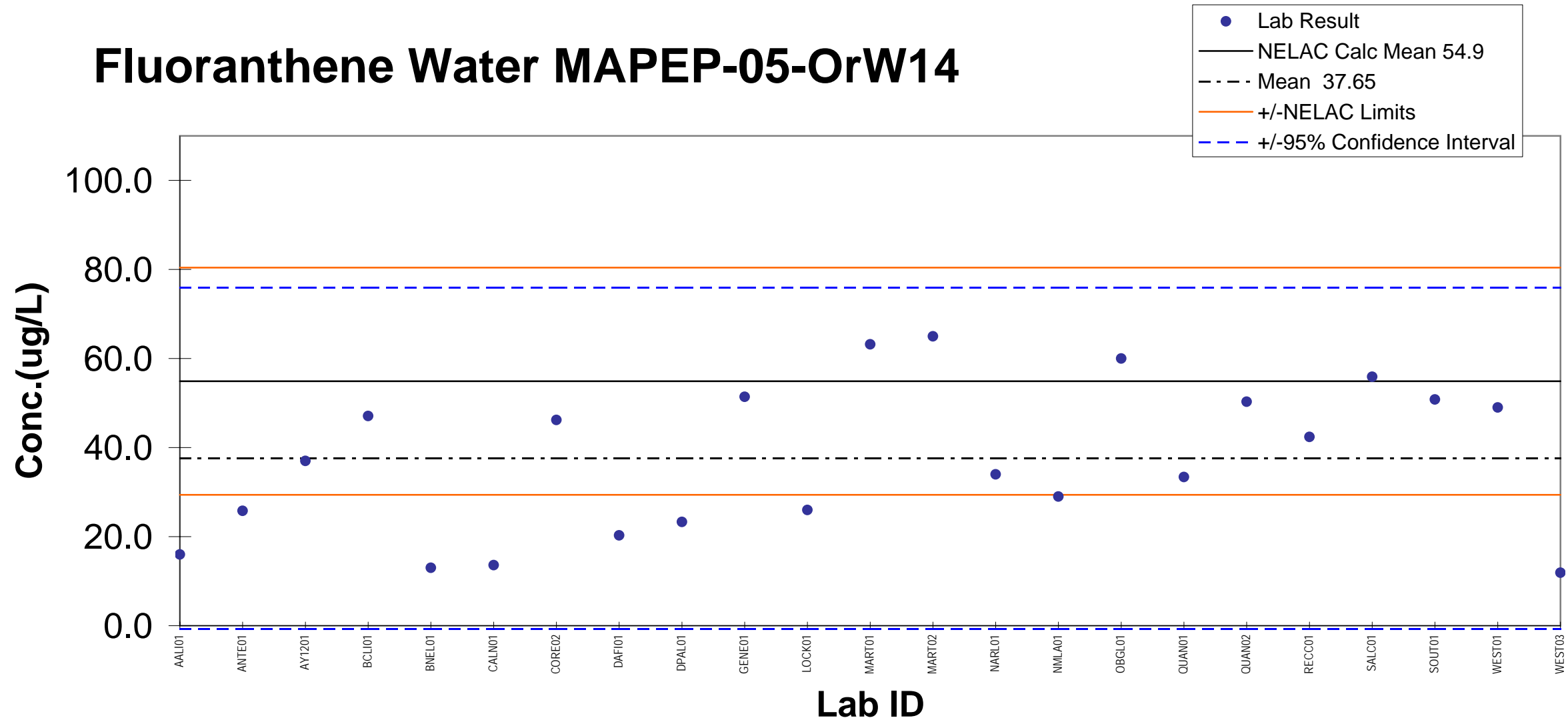
# Anthracene Water MAPEP-05-OrW14



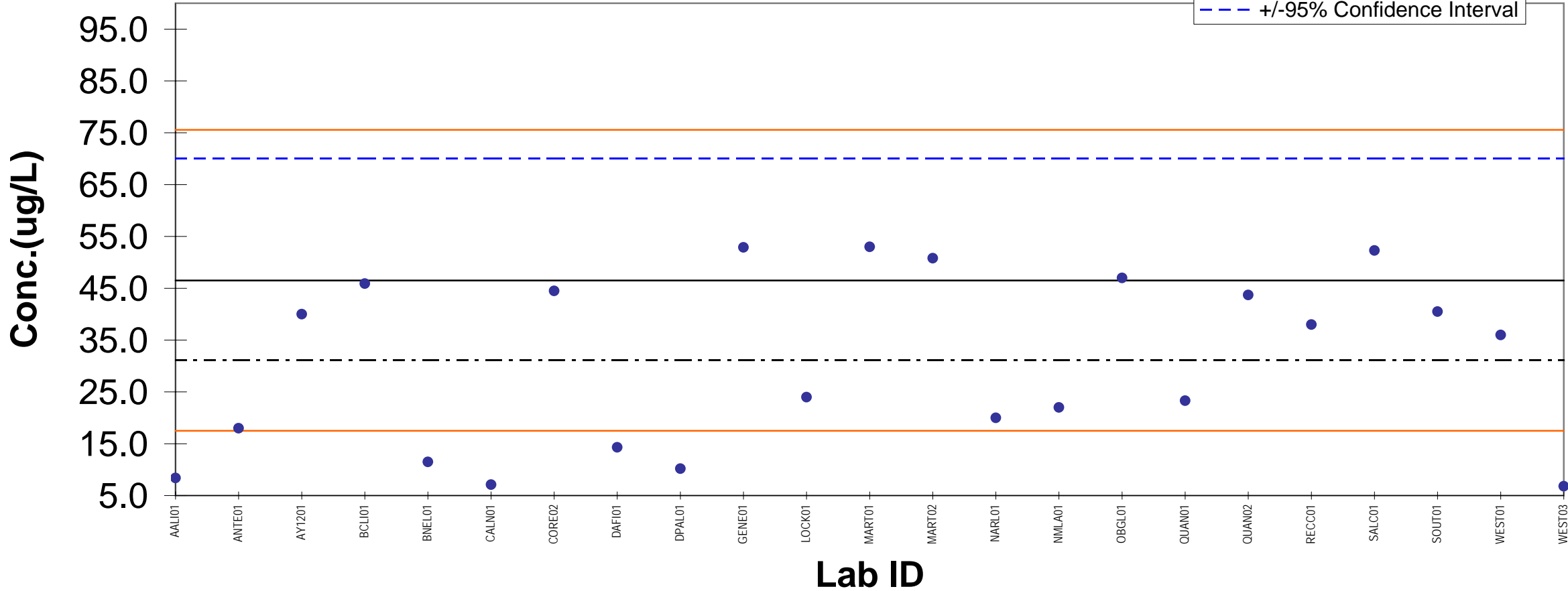
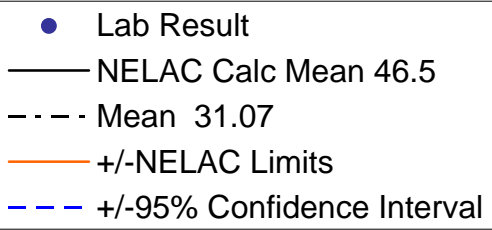
# 1,3-Dinitrobenzene Water MAPEP-05-OrW14



# Fluoranthene Water MAPEP-05-OrW14

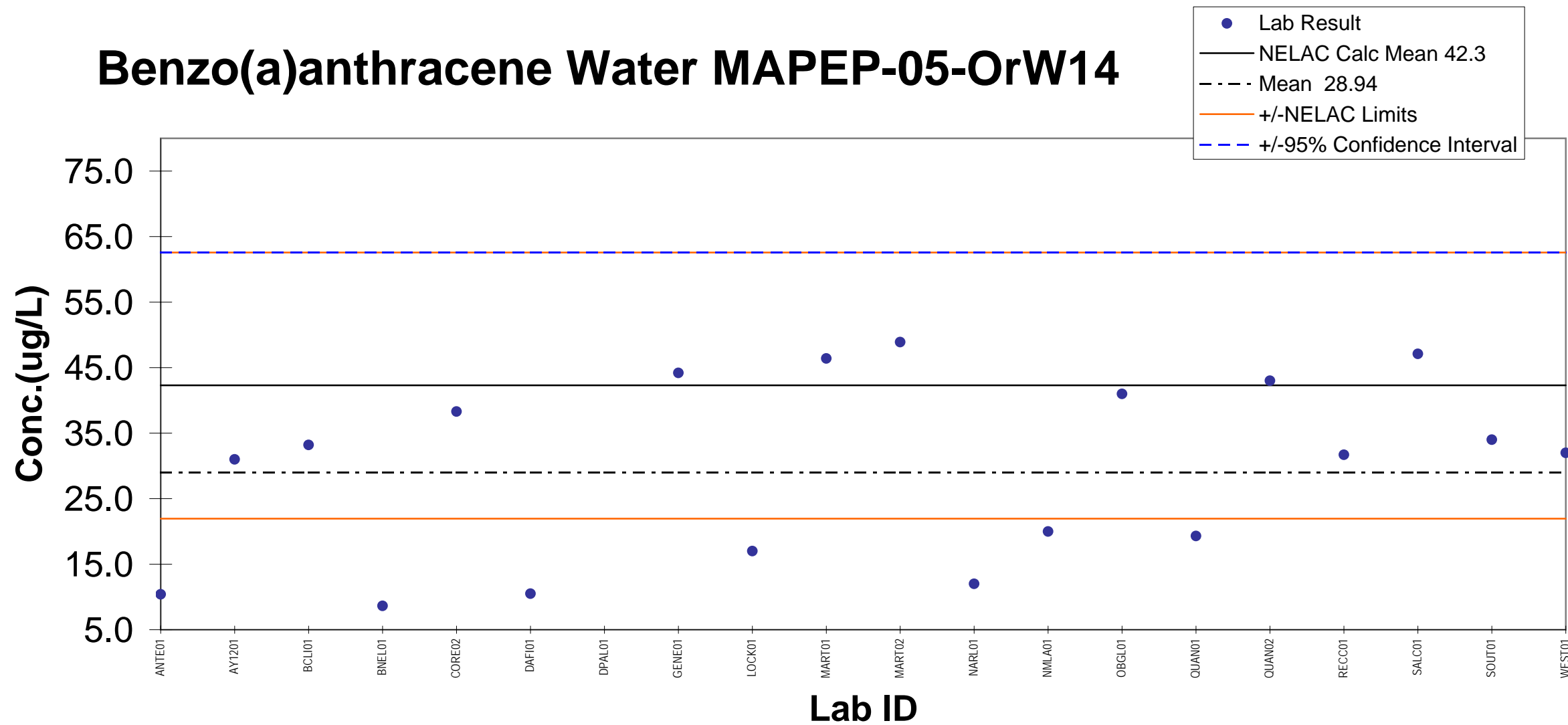


# Pyrene Water MAPEP-05-OrW14

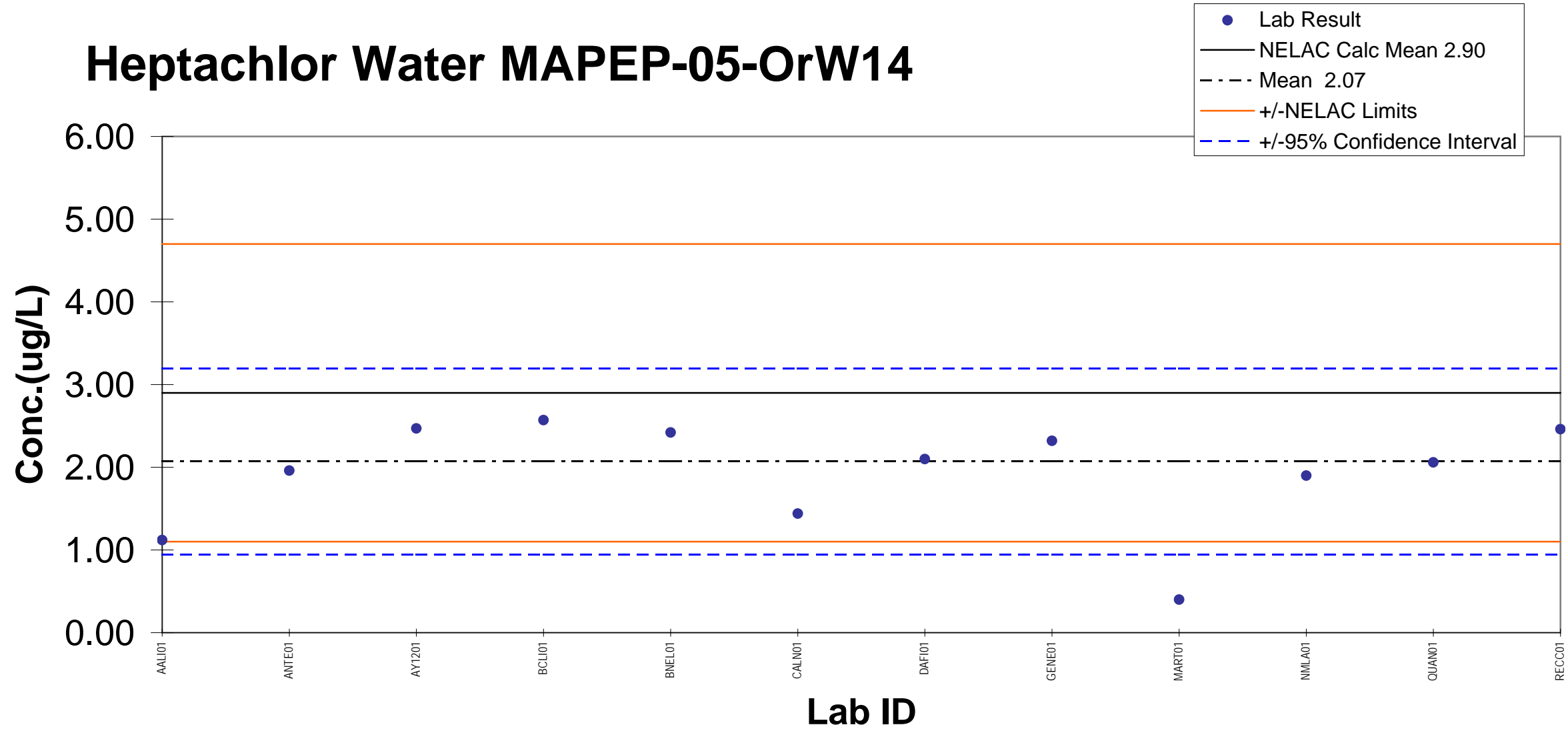




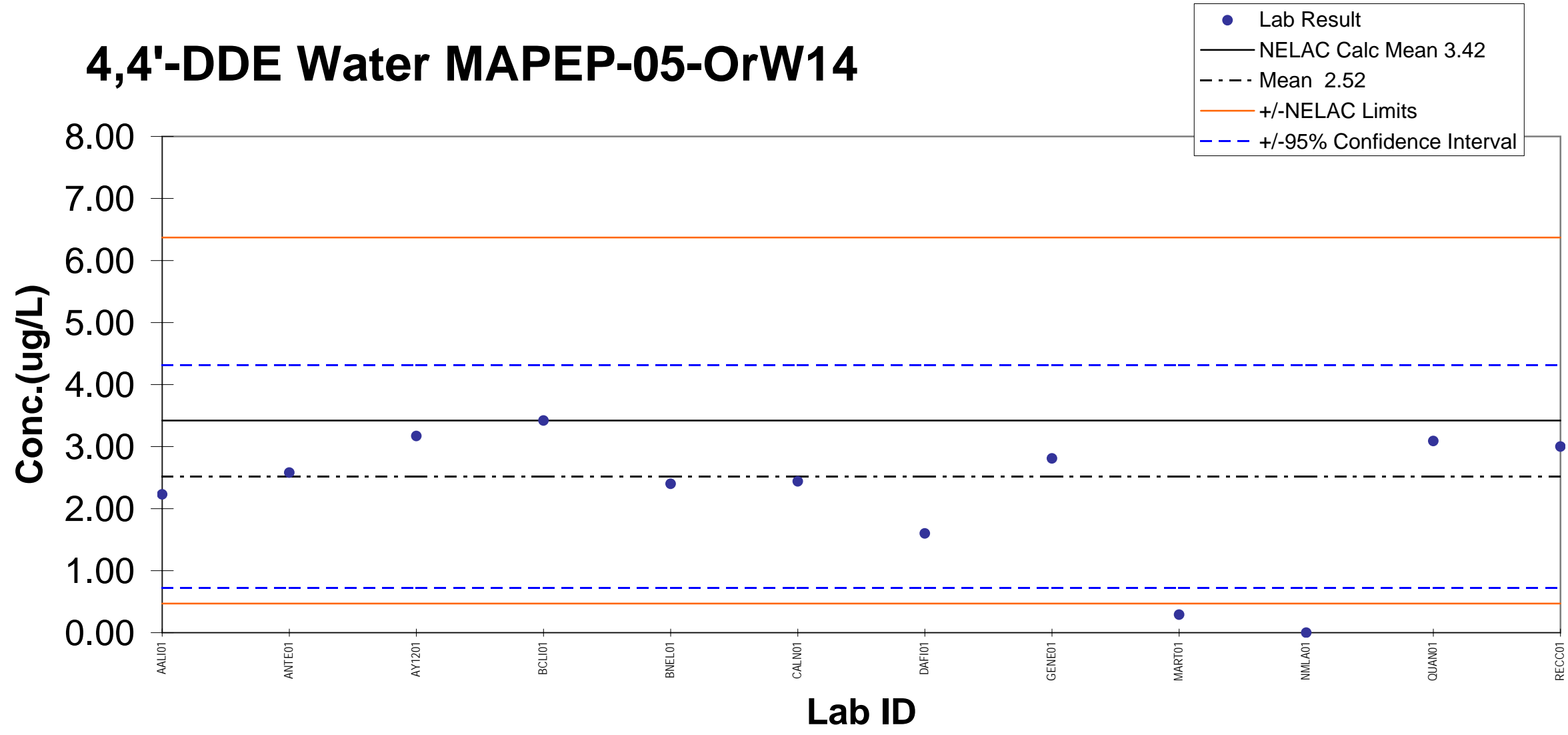
# Benzo(a)anthracene Water MAPEP-05-OrW14



# Heptachlor Water MAPEP-05-OrW14



# 4,4'-DDE Water MAPEP-05-OrW14



# 4,4'-DDT Water MAPEP-05-OrW14

