N60478.AR.001534
NWS EARLE
5090.3a

GROUNDWATER MONITORING STUDY SAMPLING RESULTS WASTE OIL STORAGE TANK BUILDING C-14 NWS EARLE NJ
3/1/1992
GANNETTT FLEMING ENGINEERS AND PLANNERS

Gannett Fleming

Groundwater Monitoring Study

Sampling Results

Waste Oil Storage Tank
Building C-14
Naval Weapons Station Earle
Colts Neck, New Jersey

Contract Number N62472-86-C-1487

OPTION II

Project No. 5

March, 1992

Gannett Fleming, Inc.
Harrisburg, PA

Gannett Fleming

000000194

Groundwater Monitoring Study

Sampling Results

Waste Oil Storage Tank
Building C-14
Naval Weapons Station Earle
Colts Neck, New Jersey

Contract Number N62472-86-C-1487

OPTION II

Project No. 5

March, 1992

Gannett Fleming, Inc.
Harrisburg, PA

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Groundwater Analysis Forms

Laboratory Analysis Results (separate cover)

Sampling for the Building C-14 waste oil storage tank area was performed on February 12, 1992. A summary of the sampling results is presented in Table 1.

For this sampling round, the following parameters were measured: base/neutral compounds, lead and compounds, petroleum hydrocarbons, total dissolved solids (TDS), total organic carbon (TOC), total volatile organics, and pH. The limitations set for these parameters (as found in Table 1 of Contract number N62472-86-C-1487, Amendment 7) are:

Parameter	Limitation
Base/Neutral Compounds	---
Lead and Compounds	0.05 ppm
Petroleum Hydrocarbons	10 ppm
TDS	500 ppm
TOC	---
pH	5-9
Total Volatile Organics	---

The concentrations of lead and compounds, petroleum hydrocarbons and total dissolved solids were less than the limitations set forth above. The pH of samples from wells C-14A, C-14C and C-29A were slightly less than the lower limitation of five.

TABLE 1

Groundwater Monitoring Study
Naval Weapons Station Earle
Summary of Results*

Parameter	Well No. C-14A	Well No. C-14B	Well No. C-14C	Well No. C-29A	Trip Blank	Field Blank
Elevation of top of monitor well - ft.	104.41	110.71	108.30	108.23	—	—
Depth to Water Table from top of casing - ft.	10.00	16.00 ft.	14.00 ft.	13.00	—	—
Depth to Water Table from ground level - ft.	10.00	14.17 ft.	11.83 ft.	9.5 ft.	—	—
Petroleum Hydrocarbons	<0.5 mg/L	<0.5 mg/L	<0.5 mg/L	<0.5 mg/L	<0.5 mg/L	<0.5 mg/L
pH	4.91	5.22	4.16	4.50	5.86	5.78
Total Dissolved Solids (TDS)	58	56	78	100	<2 mg/L	4 mg/L
Total Organic Carbon	12.0 mg/L	3.7 mg/L	3.0 mg/L	<1.0 mg/L	<1.0 mg/L	<1.0 mg/L
Lead and Compounds	0.034 mg/L	0.011 mg/L	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L

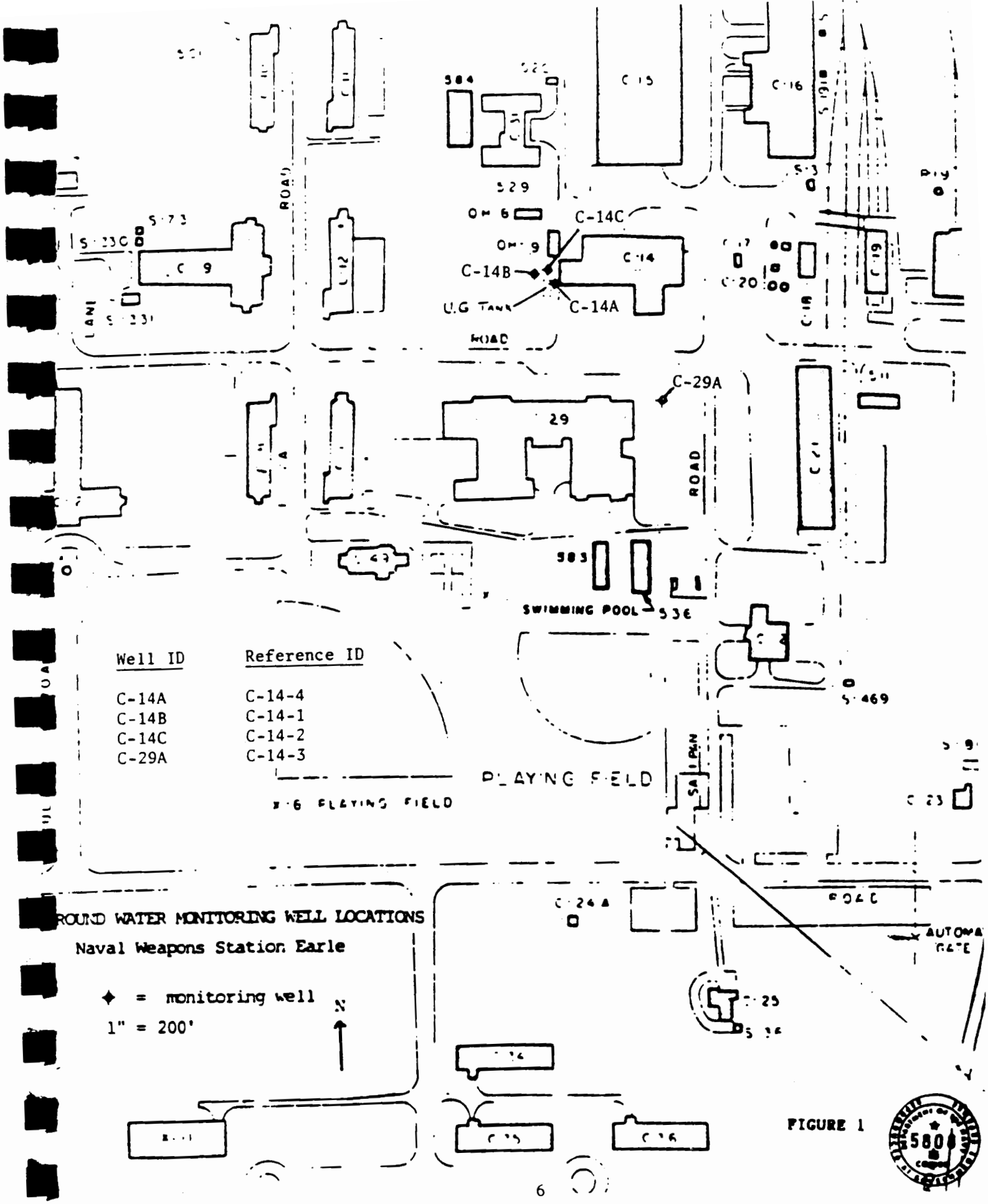
C-14C
C-14B
C-14A
U.G TANK
C-29A
ROAD
SWIMMING POOL
PLAYING FIELD
Well ID
Reference ID
C-14A C-14-4
C-14B C-14-1
C-14C C-14-2
C-29A C-14-3
ROUND WATER MONITORING WELL LOCATIONS
Naval Weapons Station Earle
✦ = monitoring well
1" = 200'
N

FIGURE 1

DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle

SW ID NO.:

LAB NAME: QC, Inc.

R

NJPDES NO.: NJ 0 0 2 3 5 4 0

WELL PERMIT NO.: 2 9 - 2 0 6 6 3 - 5

SAMPLE DATE YR. MO. DAY: 9 2 0 2 1 2

NJ LAB CERT. NO.: 7 7 1 6 6

77648

WQM USE

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 6 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

Owners Well No. C-14A

(C-14-4)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	x			x			x			x		Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		1 0 4 . 4 1	
	x			x			x			x		Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		1 0 4 . 4 1	
	x			x			x			x		Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	8 2 5 4 6	1 0 . 0 0	
	x			x			x			x		Depth to water table from original ground level prior to sampling	feet: to nearest .01	7 2 0 1 9	1 0 . 0 0	
												Arsenic, Dissolved	UG/L as As	0 1 0 0 0		
												Barium, Dissolved	UG/L as Ba	0 1 0 0 5		
												Biochemical Oxygen Demand - 5 Day	MG/L	0 0 3 1 0		
												Cadmium, Dissolved	UG/L as Cd	0 1 0 2 5		
												Chloride, Dissolved	UG/L as Cl	8 2 2 9 5		
												Chromium, Dissolved	UG/L as Cr	0 1 0 3 0		
												Chromium, Dissolved, Hexavalent	UG/L as Cr	0 1 2 2 0		
												Chemical Oxygen Demand (COD), Dissolved	MG/L	0 0 3 4 1		
												Coliform Group	N/100 ML	7 4 0 5 6		
												Color	Pt - Co	0 0 0 8 0		
												Copper, Dissolved	UG/L as Cu	0 1 0 4 0		
												Cyanide, Total	MG/L as CN	0 0 7 2 0		
												Endrin, Total	UG/L	3 9 3 9 0		
												Fluoride, Dissolved	MG/L as F	0 0 9 5 0		
												Gross Alpha, Dissolved	Pc/L	0 1 5 0 3		
												Gross Beta, Dissolved	Pc/L	0 3 5 0 3		
												Hardness, Total as $CaCO_3$	MG/L	0 0 9 0 0		
												Iron, Dissolved	UG/L as Fe	0 1 0 4 6		
	x						x					Lead, Dissolved	UG/L as Pb	0 1 0 4 9	0 . 0 3 4	
												Lindane, Total	UG/L	3 9 7 8 2		
												Manganese, Dissolved	UG/L	0 1 0 5 6		
												Mercury, Dissolved	UG/L	7 1 8 9 0		

29 42 55 68 — 33 34 46 47 59 60 72 73 — 40 41 53 54 66 67 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle

SW ID NO.:

LAB NAME: QC, Inc.

S	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
1	NJ 0 0 2 3 5 4 0 (2–8)	2 9 - 2 0 6 6 8 - 5 (9–16)	9 2 0 2 1 2 (17–22)	7 7 1 6 6 (23–27) 77648	(28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

Owner's Well No. C-14A (C-14-4)

SUBMIT WITH SIGNED T-VWX-014

Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
											Methoxycnlor, Total	UG/L	39460		
											Methylene Blue Active Substances	MG/L	38260		
											Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608		
											Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
											Odor	T.O.N.	00085		
x			x			x			x		pH	Standard Units	00400	4.91	
											Phenols, Total Recoverable	UG/L	32730		
											Radium 226, Dissolved	Pc/L	09503		
											Radium 228, Dissolved	Pc/L	81366		
											Selenium, Dissolved	UG/L	01145		
											Silver, Dissolved	UG/L	01075		
											Sodium, Dissolved	MG/L	00930		
											Sulfate, Dissolved (as SO_4)	MG/L	00946		
x			x			x			x		Total Dissolved Solids (TDS)	PPM	70300	58	
x			x			x			x		Total Organic Carbon (TOC)	PPM	00680	12	
											Total Organic Halogen (TOX)	UG/L	70353		
											Toxaphene	UG/L	39400		
											Turbidity	NTU	00076		
											Zinc, Dissolved	UG/L	01090		
											2, 4–D, Total	UG/L	39370		
											2, 4, 5–TP, Total	UG/L	39045		
x			x			x			x		Petroleum Hydrocarbons	PPM	45501	0.5	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

USE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

NAME: QC, Inc.

NJPDES NO.: U NJ 0023540

WELL PERMIT NO.: 29-20668-5

SAMPLE DATE YR. MO. DAY: 92 02 12

NJ LAB CERT. NO.: 77166 77648

WQM USE

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 TO 05 92 (MO. YR.)

Owner's Well No. C-14A (C-14-4)

SUBMIT WITH SIGNED T-VWX-014

Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X						X					Chrysene	ug/l	34320	10	K
											Dibenzanthracene	ug/l	34556	10	K
											1,2-Dichlorobenzene	ug/l	34536	10	K
											1,3-Dichlorobenzene	ug/l	34566	10	K
											1,4-Dichlorobenzene	ug/l	34571	10	K
											3,3'-Dichlorobenzidine	ug/l	34631	20	K
											Diethyl Phthalate	ug/l	34336	10	K
											Dimethyl Phthalate	ug/l	34341	10	K
											Di-n-butyl Phthalate	ug/l	39110	7	B
											2,4-Dinitrotolulene	ug/l	34611	10	K
											2,6-Dinitrotolulene	ug/l	34626	10	K
											Di-n-octyl Phthalate	ug/l	34596	10	K
											1,2-Diphenylhydrazine	ug/l	34346		
											Fluoranthene	ug/l	34376	10	K
											Fluorene	ug/l	34381	10	K
											Hexachlorobenzene	ug/l	39700	10	K
											Hexachlorobutadiene	ug/l	34391	10	K
											Hexachlorocyclopentadiene	ug/l	34386	10	K
											Hexachloroethane	ug/l	34396	10	K
											Indenopyrene	ug/l	34403	10	K
											Isophorone	ug/l	34408	10	K
											Naphthalene	ug/l	34696	10	K
											Nitrobenzene	ug/l	34447	10	K
											N-Nitrosodimentlyamine	ug/l	34438	10	K
											N-Nitrosodi-n-propylamine	ug/l	34428	10	K
											N-Nitrosodiphenylamine	ug/l	34433	10	K
											Phenanthrene	ug/l	34461	10	K
											Pyrene	ug/l	34469	10	K
X						X					1,2,4-Trichlorobenzene	ug/l	34551	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JE_ _Y DEPARTMENT OF ENVIRONMENTAL PROTE _N
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

LAB NAME: QC, Inc.

NJPDES NO.: T -NJ 0 0 2 3 5 4 0 (1–8)

WELL PERMIT NO.: 2 9 - 2 0 6 6 8 - 5 (9–16)

SAMPLE DATE YR. MO. DAY: 9 2 0 2 1 2 (17–22)

NJ LAB CERT. NO.: 7 7 1 6 6 (23–27)

77648

WQM USE: (28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

OWNER'S WELL # C-14A

(C-14-4)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	X						X					Acrylonitrile	UG/L	34215		
												Benzene	UG/L	34030	5	K
												Bromoform	UG/L	32104	5	K
												Carbon Tetrachloride	UG/L	32102	5	K
												Chlorobenzene	UG/L	34301	5	K
												Chlorodibromomethane	UG/L	34306	5	K
												Chloroform	UG/L	32106	2.1	J
												1, 1 - Dichloroethane	UG/L	34496	5	K
												1, 2 - Dichloroethane	UG/L	34531	5	K
												1, 1 - Dichloroethylene	UG/L	34501	5	K
												1, 2 - Dichloropropane	UG/L	34641	5	K
												Ethylbenzene	UG/L	34371	5	K
												Methylene Chloride	UG/L	34423	1.1	J
												1, 1, 2, 2 - Tetrachloroethane	UG/L	34516	5	K
												Tetrachloroethylene	UG/L	34475	5	K
												Toluene	UG/L	34012	5	K
												1, 1, 1 - Trichloroethane	UG/L	34506	5	K
												1, 1, 2 - Trichloroethane	UG/L	34511	5	K
												Trichloroethylene	UG/L	39180	5	K
												Vinyl Chloride	UG/L	39175	10	K
												Acrolein	UG/L	34210		
												Chloroethane	UG/L	34311	10	K
												2 - Chloroethylvinyl Ether	UG/L	34576	10	K
												Dichlorobromomethane	UG/L	32105	5	K
												1, 3 - Dichloropropylene	UG/L	34699	5	K
												Methyl Bromide	UG/L	34413	10	K
												Methyl Chloride	UG/L	34418	10	K
	X						X					1, 2 - trans - Dichloroethylene	UG/L	34546	5	K
												1, 2 Dichlorobenzene	UG/L	34536		
												1, 3 Dichlorobenzene	UG/L	34566		
												1, 4 Dichlorobenzene	UG/L	34571		

29 42 55 68 — 33 34 46 47 59 60 72 73 — 40 41 53 54 66 67 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

NEW J' TY DEPARTMENT OF ENVIRONMENTAL PROTE ON
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

ACID, BASE/NEUTRAL ORGANIC COMPOUNDS

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.:

LAB NAME: QC, Inc.

U	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
1	NJ 0 0 2 3 5 4 0 (2–8)	2 9-2 0 6 6 8-5 (9–16)	9 2 0 2 1 2 (17–22)	7 7 1 6 6 (23–27) 77648	(28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

Owner's Well No. C-14A (C-14-4)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS												ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
												2-Chlorophenol	ug/l	34586		
												2,4-Dichlorophenol	ug/l	34601		
												2,4-Dimethylphenol	ug/l	34606		
												2,6-Dinitro-o-cresol	ug/l	77603		
												2,4-Dinitrophenol	ug/l	34616		
												2-Nitrophenol	ug/l	34591		
												4-Nitrophenol	ug/l	34649		
												p-Chloro-m-cresol	ug/l	34452		
												Pentachlorophenol	ug/l	39032		
												Phenol	ug/l	34695		
												2,4,6-Trichlorophenol	ug/l	34621		
	x					x						Acenaphthene	ug/l	34205	10	K
												Acenaphthylene	ug/l	34200	10	K
												Anthracene	ug/l	34220	10	K
												Benzidine	ug/l	39120	50	K
												Benzanthracene	ug/l	34526	10	K
												Benzopyrene	ug/l	34247	10	K
												3,4-Benzofluoranthene	ug/l	34230	10	K
												Benzoperylene	ug/l	34521	10	K
												Benzofluoranthene	ug/l	34242	10	K
												Bis(2-chloroethoxy)methane	ug/l	34278	10	K
												Bis(2-chloroethyl) Ether	ug/l	34273	10	K
												Bis(2-chlroisopropyl) Ether	ug/l	34283	10	K
												Bis(2-ethylhexyl) Phthalate	ug/l	39100	20	B
												4-Bromophenyl Ether	ug/l	34636	10	K
												Butylbenzyl Phthalate	ug/l	34292	10	K
												2-Chloronaphthalene	ug/l	34581	10	K
												4-Chlorophenyl Phenyl Ether	ug/l	34641	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle

SW ID NO.:

LAB NAME: QC, Inc.

R (1) NJPDES NO.: NJ 0023540 (2–8)

WELL PERMIT NO.: 29-20666-9 (9–16)

SAMPLE DATE YR. MO. DAY: 92 02 12 (17–22)

NJ LAB CERT. NO.: 77166 (23–27)

77648

WQM USE (28)

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 (MO. YR.) TO 05 92 (MO. YR.)

Owners Well No. C-14B (C-14-1)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	x			x			x			x		Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		110.71	
	x			x			x			x		Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		108.88	
	x			x			x			x		Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	16.00	
	x			x			x			x		Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	14.17	
												Arsenic, Dissolved	UG/L as As	01000		
												Barium, Dissolved	UG/L as Ba	01005		
												Biochemical Oxygen Demand - 5 Day	MG/L	00310		
												Cadmium, Dissolved	UG/L as Cd	01025		
												Chloride, Dissolved	UG/L as Cl	82295		
												Chromium, Dissolved	UG/L as Cr	01030		
												Chromium, Dissolved, Hexavalent	UG/L as Cr	01220		
												Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
												Coliform Group	N/100 ML	74056		
												Color	Pt - Co	00080		
												Copper, Dissolved	UG/L as Cu	01040		
												Cyanide, Total	MG/L as CN	00720		
												Endrin, Total	UG/L	39390		
												Fluoride, Dissolved	MG/L as F	00950		
												Gross Alpha, Dissolved	Pc/L	01503		
												Gross Beta, Dissolved	Pc/L	03503		
												Hardness, Total as $CaCO_3$	MG/L	00900		
												Iron, Dissolved	UG/L as Fe	01046		
	x						x					Lead, Dissolved	UG/L as Pb	01049	0.011	
												Lindane, Total	UG/L	39782		
												Manganese, Dissolved	UG/L	01056		
												Mercury, Dissolved	UG/L	71890		

SAMPLING MONTHS

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle
SW ID NO.:

LAB NAME: QC, Inc.

S	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
	NJ 0023540	29-20666-9	920212	77166	

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0591 (MO. YR.) TO 0592 (MO. YR.)

Owner's Well No. C-14B (C-14-1)

SUBMIT WITH SIGNED T-VWX-014

Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
											Methoxychlor, Total	UG/L	39460		
											Methylene Blue Active Substances	MG/L	38260		
											Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608		
											Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
											Odor	T.O.N.	00085		
x			x			x			x		pH	Standard Units	00400	5.22	
											Phenols, Total Recoverable	UG/L	32730		
											Radium 226, Dissolved	Pc/L	09503		
											Radium 228, Dissolved	Pc/L	81366		
											Selenium, Dissolved	UG/L	01145		
											Silver, Dissolved	UG/L	01075		
											Sodium, Dissolved	MG/L	00930		
											Sulfate, Dissolved (as SO_4)	MG/L	00946		
x			x			x			x		Total Dissolved Solids (TDS)	PPM	70300	56	
x			x			x			x		Total Organic Carbon (TOC)	PPM	00680	3.7	
											Total Organic Halogen (TOX)	UG/L	70353		
											Toxaphene	UG/L	39400		
											Turbidity	NTU	00076		
											Zinc, Dissolved	UG/L	01090		
											2, 4–D, Total	UG/L	39370		
											2, 4, 5–TP, Total	UG/L	39045	—	
x			x			x			x		Petroleum Hydrocarbons	PPM	45501	0.5	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JE . Y DEPARTMENT OF ENVIRONMENTAL PROTE N
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.:

LAB NAME: QC, Inc.

NJPDES NO.: T -NJ 0 0 2 3 5 4 0

WELL PERMIT NO.: 2 9 - 2 0 6 6 6 - 9

SAMPLE DATE YR. MO. DAY: 9 2 0 2 1 2

NJ LAB CERT. NO.: 7 7 1 5 6 77648

WQM USE

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

OWNER'S WELL # C-14B (C-14-1)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS: Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	X						X					Acrylonitrile	UG/L	34215		
												Benzene	UG/L	34030	5	K
												Bromoform	UG/L	32104	5	K
												Carbon Tetrachloride	UG/L	32102	5	K
												Chlorobenzene	UG/L	34301	5	K
												Chlorodibromomethane	UG/L	34306	5	K
												Chloroform	UG/L	32106	5	K
												1, 1 - Dichloroethane	UG/L	34496	5	K
												1, 2 - Dichloroethane	UG/L	34531	5	K
												1, 1 - Dichloroethylene	UG/L	34501	5	K
												1, 2 - Dichloropropane	UG/L	34541	5	K
												Ethylbenzene	UG/L	34371	5	K
												Methylene Chloride	UG/L	34423	5	K
												1, 1, 2, 2 - Tetrachloroethane	UG/L	34516	5	K
												Tetrachloroethylene	UG/L	34475	5	K
												Toluene	UG/L	34012	5	K
												1, 1, 1 - Trichloroethane	UG/L	34506	5	K
												1, 1, 2 - Trichloroethane	UG/L	34511	5	K
												Trichloroethylene	UG/L	39180	5	K
												Vinyl Chloride	UG/L	39175	10	K
												Acrolein	UG/L	34210		
												Chloroethane	UG/L	34311	10	K
												2 - Chloroethylvinyl Ether	UG/L	34576		
												Dichlorobromomethane	UG/L	32105	5	K
												1, 3 - Dichloropropylene	UG/L	34699	5	K
												Methyl Bromide	UG/L	34413	10	K
												Methyl Chloride	UG/L	34418	10	K
	X						X					1, 2 - trans - Dichloroethylene	UG/L	34546	5	K
												1, 2 Dichlorobenzene	UG/L	34536		
												1, 3 Dichlorobenzene	UG/L	34566		
												1, 4 Dichlorobenzene	UG/L	34571		

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW J[illegible]Y DEPARTMENT OF ENVIRONMENTAL PROT[illegible]ON
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

ACID, BASE/NEUTRAL ORGANIC COMPOUNDS

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

LAB NAME: QC, Inc.

	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
U	NJ 0023540	29-20666-9	920212	77166	
1	2–8	9–16	17–22	23–27	28

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0591 (MO. YR.) TO 0592 (MO. YR.)

Owner's Well No. C-14B
C-14-1

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS												ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
												2-Chlorophenol	ug/l	34586		
												2,4-Dichlorophenol	ug/l	34601		
												2,4-Dimethylphenol	ug/l	34606		
												2,6-Dinitro-o-cresol	ug/l	77603		
												2,4-Dinitrophenol	ug/l	34616		
												2-Nitrophenol	ug/l	34591		
												4-Nitrophenol	ug/l	34649		
												p-Chloro-m-cresol	ug/l	34452		
												Pentachlorophenol	ug/l	39032		
												Phenol	ug/l	34695		
												2,4,6-Trichlorophenol	ug/l	34621		
	x					x						Acenaphthene	ug/l	34205	10	K
												Acenaphthylene	ug/l	34200	10	K
												Anthracene	ug/l	34220	10	K
												Benzidine	ug/l	39120		
												Benzanthracene	ug/l	34526	10	K
												Benzopyrene	ug/l	34247	10	K
												3,4-Benzofluoranthene	ug/l	34230	10	K
												Benzoperylene	ug/l	34521	10	K
												Benzofluoranthene	ug/l	34242	10	K
												Bis(2-chloroethoxy)methane	ug/l	34278	10	K
												Bis(2-chloroethyl) Ether	ug/l	34273	10	K
												Bis(2-chlroisopropyl) Ether	ug/l	34283	10	K
												Bis(2-ethylhexyl) Phthalate	ug/l	39100	8	J
												4-Bromophenyl Ether	ug/l	34636	10	K
												Butylbenzyl Phthalate	ug/l	34292	10	K
												2-Chloronaphthalene	ug/l	34581	10	K
												4-Chlorophenyl Phenyl Ether	ug/l	34641	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

USE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

NAME: QC, Inc.

U | NJPDES NO. NJ 0023540 | WELL PERMIT NO. 29-20666-9 | SAMPLE DATE YR. MO. DAY 92 02 12 | NJ LAB CERT. NO. 77155 | WQM USE

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 (MO. YR.) TO 05 92 (MO. YR.)

Owner's Well No. C-14B

(C-14-1)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS: Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X						X					Chrysene	ug/l	34320	10	K
											Dibenzanthracene	ug/l	34556	10	K
											1,2-Dichlorobenzene	ug/l	34536	10	K
											1,3-Dichlorobenzene	ug/l	34566	10	K
											1,4-Dichlorobenzene	ug/l	34571	10	K
											3,3'-Dichlorobenzidine	ug/l	34631	20	K
											Diethyl Phthalate	ug/l	34336	10	K
											Dimethyl Phthalate	ug/l	34341	10	K
											Di-n-butyl Phthalate	ug/l	39110	11	B
											2,4-Dinitrotolulene	ug/l	34611	10	K
											2,6-Dinitrotolulene	ug/l	34626	10	K
											Di-n-octyl Phthalate	ug/l	34596	10	K
											1,2-Diphenylhydrazine	ug/l	34346		
											Fluoranthene	ug/l	34376	10	K
											Fluorene	ug/l	34381	10	K
											Hexachlorobenzene	ug/l	39700	10	K
											Hexachlorobutadiene	ug/l	34391	10	K
											Hexachlorocyclopentadiene	ug/l	34386	10	K
											Hexachloroethane	ug/l	34396	10	K
											Indenopyrene	ug/l	34403	10	K
											Isophorone	ug/l	34408	10	K
											Naphthalene	ug/l	34696	10	K
											Nitrobenzene	ug/l	34447	10	K
											N-Nitrosodimentlyamine	ug/l	34438	10	K
											N-Nitrosodi-n-propylamine	ug/l	34428	10	K
											N-Nitrosodiphenylamine	ug/l	34433	10	K
											Phenanthrene	ug/l	34461	10	K
											Pyrene	ug/l	34469	10	K
X						X					1,2,4-Trichlorobenzene	ug/l	34551	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.:

LAB NAME: QC, Inc.

R (1) | NJPDES NO.: NJ 0023540 (2–8) | WELL PERMIT NO.: 29-20669-3 (9–16) | SAMPLE DATE YR. MO. DAY: 92 02 12 (17–22) | NJ LAB CERT. NO.: 77166 (23–27) | WQM USE (28)

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 (MO. YR.) TO 05 92 (MO. YR.)

Owners Well No. C-14C (C-14-2)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	x			x			x			x		Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		108.30	
	x			x			x			x		Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		106.13	
	x			x			x			x		Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	14.00	
	x			x			x			x		Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	11.83	
												Arsenic, Dissolved	UG/L as As	01000		
												Barium, Dissolved	UG/L as Ba	01005		
												Biochemical Oxygen Demand - 5 Day	MG/L	00310		
												Cadmium, Dissolved	UG/L as Cd	01025		
												Chloride, Dissolved	UG/L as Cl	82295		
												Chromium, Dissolved	UG/L as Cr	01030		
												Chromium, Dissolved, Hexavalent	UG/L as Cr	01220		
												Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
												Coliform Group	N/100 ML	74056		
												Color	Pt - Co	00080		
												Copper, Dissolved	UG/L as Cu	01040		
												Cyanide, Total	MG/L as CN	00720		
												Endrin, Total	UG/L	39390		
												Fluoride, Dissolved	MG/L as F	00950		
												Gross Alpha, Dissolved	Pc/L	01503		
												Gross Beta, Dissolved	Pc/L	03503		
												Hardness, Total as $CaCO_3$	MG/L	00900		
												Iron, Dissolved	UG/L as Fe	01046		
	x						x					Lead, Dissolved	UG/L as Pb	01049	0.005	K
												Lindane, Total	UG/L	39782		
												Manganese, Dissolved	UG/L	01056		
												Mercury, Dissolved	UG/L	71890		

SAMPLING MONTHS

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle

SW ID NO.:

LAB NAME: QC, Inc.

S	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
	NJ 0023540	29-20669-3	92 02 12	77166	

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 (MO. YR.) TO 05 92 (MO. YR.)

Owner's Well No. C-14C

(C-14-2)

SUBMIT WITH SIGNED T-VWX-014

Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
											Methoxychlor, Total	UG/L	39460		
											Methylene Blue Active Substances	MG/L	38260		
											Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608		
											Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
											Odor	T.O.N.	00085		
x			x			x			x		pH	Standard Units	00400	4.16	
											Phenols, Total Recoverable	UG/L	32730		
											Radium 226, Dissolved	Pc/L	09503		
											Radium 228, Dissolved	Pc/L	81366		
											Selenium, Dissolved	UG/L	01145		
											Silver, Dissolved	UG/L	01075		
											Sodium, Dissolved	MG/L	00930		
											Sulfate, Dissolved (as SO_4)	MG/L	00946		
x			x			x			x		Total Dissolved Solids (TDS)	PPM	70300	78	
x			x			x			x		Total Organic Carbon (TOC)	PPM	00680	3.0	
											Total Organic Halogen (TOX)	UG/L	70353		
											Toxaphene	UG/L	39400		
											Turbidity	NTU	00076		
											Zinc, Dissolved	UG/L	01090		
											2, 4–D, Total	UG/L	39370		
											2, 4, 5–TP, Total	UG/L	39045		
x			x			x			x		Petroleum Hydrocarbons	PPM	45501	0.5	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JE_ _Y DEPARTMENT OF ENVIRONMENTAL PROTE _N
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – VOLATILE ORGANICS REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

LAB NAME: QC, Inc.

NJPDES NO.: T -NJ 0 0 2 3 5 4 0

WELL PERMIT NO.: 2 9 - 2 0 6 6 9 - 3

SAMPLE DATE YR. MO. DAY: 9 2 0 2 1 2

NJ LAB CERT. NO.: 7 7 1 6 6

WOM USE

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

OWNER'S WELL # C-14C (C-14-2)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	X						X					Acrylonitrile	UG/L	34215		
												Benzene	UG/L	34030	5	K
												Bromoform	UG/L	32104	5	K
												Carbon Tetrachloride	UG/L	32102	5	K
												Chlorobenzene	UG/L	34301	5	K
												Chlorodibromomethane	UG/L	34306	5	K
												Chloroform	UG/L	32106	1.3	J
												1, 1 - Dichloroethane	UG/L	34496	5	K
												1, 2 - Dichloroethane	UG/L	34531	5	K
												1, 1 - Dichloroethylene	UG/L	34501	5	K
												1, 2 - Dichloropropane	UG/L	34541	5	K
												Ethylbenzene	UG/L	34371	5	K
												Methylene Chloride	UG/L	34423	5	K
												1, 1, 2, 2 - Tetrachloroethane	UG/L	34516	5	K
												Tetrachloroethylene	UG/L	34475	5	K
												Toluene	UG/L	34012	5	K
												1, 1, 1 - Trichloroethane	UG/L	34506	5	K
												1, 1, 2 - Trichloroethane	UG/L	34511	5	K
												Trichloroethylene	UG/L	39180	5	K
												Vinyl Chloride	UG/L	39175	10	K
												Acrolein	UG/L	34210		
												Chloroethane	UG/L	34311	10	K
												2 - Chloroethylvinyl Ether	UG/L	34576		
												Dichlorobromomethane	UG/L	32105	5	K
												1, 3 - Dichloropropylene	UG/L	34699	5	K
												Methyl Bromide	UG/L	34413	10	K
												Methyl Chloride	UG/L	34418	10	K
	X						X					1, 2 - trans - Dichloroethylene	UG/L	34548	5	K
												1, 2 Dichlorobenzene	UG/L	34536		
												1, 3 Dichlorobenzene	UG/L	34566		
												1, 4 Dichlorobenzene	UG/L	34571		

29 42 55 68 — 33 46 59 72 — 34 47 60 73 — 40 53 66 79 — 41 54 67 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

USE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

NAME: QC, Inc.

U | NJPDES NO. NJ 0 0 2 3 5 4 0 | WELL PERMIT NO. 2 9 - 2 0 6 6 9 - 3 | SAMPLE DATE YR. MO. DAY 9 2 0 2 1 2 | NJ LAB CERT. NO. 7 7 1 6 6 | WQM USE

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

Owner's Well No. C-14C

(C-14-2)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
x							x					Chrysene	ug/1	34320	10	K
												Dibenzanthracene	ug/1	34556	10	K
												1,2-Dichlorobenzene	ug/1	34536	10	K
												1,3-Dichlorobenzene	ug/1	34566	10	K
												1,4-Dichlorobenzene	ug/1	34571	10	K
												3,3'-Dichlorobenzidine	ug/1	34631	20	K
												Diethyl Phthalate	ug/1	34336	10	K
												Dimethyl Phthalate	ug/1	34341	10	K
												Di-n-butyl Phthalate	ug/1	39110	11	B
												2,4-Dinitrotolulene	ug/1	34611	10	K
												2,6-Dinitrotolulene	ug/1	34626	10	K
												Di-n-octyl Phthalate	ug/1	34596	10	K
												1,2-Diphenylhydrazine	ug/1	34346		
												Fluoranthene	ug/1	34376	10	K
												Fluorene	ug/1	34381	10	K
												Hexachlorobenzene	ug/1	39700	10	K
												Hexachlorobutadiene	ug/1	34391	10	K
												Hexachlorocyclopentadiene	ug/1	34386	10	K
												Hexachloroethane	ug/1	34396	10	K
												Indenopyrene	ug/1	34403	10	K
												Isophorone	ug/1	34408	10	K
												Naphthalene	ug/1	34696	10	K
												Nitrobenzene	ug/1	34447	10	K
												N-Nitrosodimentlyamine	ug/1	34438	10	K
												N-Nitrosodi-n-propylamine	ug/1	34428	10	K
												N-Nitrosodiphenylamine	ug/1	34433	10	K
												Phenanthrene	ug/1	34461	10	K
												Pyrene	ug/1	34469	10	K
x							x					1,2,4-Trichlorobenzene	ug/1	34551	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

NEW J[illegible]Y DEPARTMENT OF ENVIRONMENTAL PROT[illegible]ON
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

ACID, BASE/NEUTRAL ORGANIC COMPOUNDS

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.:

LAB NAME: QC, Inc.

	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
U	NJ 0 0 2 3 5 4 0	2 9 - 2 0 6 6 9 - 3	9 2 0 2 1 2	7 7 1 6 6	

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

Owner's Well No. C-14C

(C-14-2)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	2-Chlorophenol	ug/l	34586		
	2,4-Dichlorophenol	ug/l	34601		
	2,4-Dimethylphenol	ug/l	34606		
	2,6-Dinitro-o-cresol	ug/l	77603		
	2,4-Dinitrophenol	ug/l	34616		
	2-Nitrophenol	ug/l	34591		
	4-Nitrophenol	ug/l	34649		
	p-Chloro-m-cresol	ug/l	34452		
	Pentachlorophenol	ug/l	39032		
	Phenol	ug/l	34695		
	2,4,6-Trichlorophenol	ug/l	34621		
x x	Acenaphthene	ug/l	34205	10	K
	Acenaphthylene	ug/l	34200	10	K
	Anthracene	ug/l	34220	10	K
	Benzidine	ug/l	39120		
	Benzanthracene	ug/l	34526	10	K
	Benzopyrene	ug/l	34247	10	K
	3,4-Benzofluoranthene	ug/l	34230	10	K
	Benzoperylene	ug/l	34521	10	K
	Benzofluoranthene	ug/l	34242	10	K
	Bis(2-chloroethoxy)methane	ug/l	34278	10	K
	Bis(2-chloroethyl) Ether	ug/l	34273	10	K
	Bis(2-chlroisopropyl) Ether	ug/l	34283	10	K
	Bis(2-ethylhexyl) Phthalate	ug/l	39100	16	B
	4-Bromophenyl Ether	ug/l	34636	10	K
	Butylbenzyl Phthalate	ug/l	34292	2	J
	2-Chloronaphthalene	ug/l	34581	10	K
	4-Chlorophenyl Phenyl Ether	ug/l	34641	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

LAB NAME: QC, Inc.

R	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
1	NJ 0023540 (2–8)	29-20667-7 (9–16)	920212 (17–22)	77166 (23–27)	(28)

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0591 (MO. YR.) TO 0592 (MO. YR.)

Owners Well No. C-29A
(C-14-3)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	x			x			x			x		Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		108.23	
	x			x			x			x		Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		104.90	
	x			x			x			x		Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	13.00	
	x			x			x			x		Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	9.50	
												Arsenic, Dissolved	UG/L as As	01000		
												Barium, Dissolved	UG/L as Ba	01005		
												Biochemical Oxygen Demand - 5 Day	MG/L	00310		
												Cadmium, Dissolved	UG/L as Cd	01025		
												Chloride, Dissolved	UG/L as Cl	82295		
												Chromium, Dissolved	UG/L as Cr	01030		
												Chromium, Dissolved, Hexavalent	UG/L as Cr	01220		
												Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
												Coliform Group	N/100 ML	74056		
												Color	Pt - Co	00080		
												Copper, Dissolved	UG/L as Cu	01040		
												Cyanide, Total	MG/L as CN	00720		
												Endrin, Total	UG/L	39390		
												Fluoride, Dissolved	MG/L as F	00950		
												Gross Alpha, Dissolved	Pc/L	01503		
												Gross Beta, Dissolved	Pc/L	03503		
												Hardness, Total as $CaCO_3$	MG/L	00900		
												Iron, Dissolved	UG/L as Fe	01046		
	x						x					Lead, Dissolved	UG/L as Pb	01049	0.005	K
												Lindane, Total	UG/L	39782		
												Manganese, Dissolved	UG/L	01056		
												Mercury, Dissolved	UG/L	71890		

29 42 55 68 — 33 34 46 47 59 60 72 73 — 40 41 53 54 66 67 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle

SW ID NO.:

LAB NAME: QC, Inc.

	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S	NJ 0023540	29-20667-7	92 02 12	77166	
1	2–8	9–16	17–22	23–27	28

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 (MO. YR.) TO 05 92 (MO. YR.)

Owner's Well No. C-29A

(C-14-3)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS

Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
											Methoxychlor, Total	UG/L	39460		
											Methylene Blue Active Substances	MG/L	38260		
											Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608		
											Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
											Odor	T.O.N.	00085		
x			x			x			x		pH	Standard Units	00400	4.50	K
											Phenols, Total Recoverable	UG/L	32730		
											Radium 226, Dissolved	Pc/L	09503		
											Radium 228, Dissolved	Pc/L	81366		
											Selenium, Dissolved	UG/L	01145		
											Silver, Dissolved	UG/L	01075		
											Sodium, Dissolved	MG/L	00930		
											Sulfate, Dissolved (as SO_4)	MG/L	00946		
x			x			x			x		Total Dissolved Solids (TDS)	PPM	70300	100	
x			x			x			x		Total Organic Carbon (TOC)	PPM	00680	1.0	K
											Total Organic Halogen (TOX)	UG/L	70353		
											Toxaphene	UG/L	39400		
											Turbidity	NTU	00076		
											Zinc, Dissolved	UG/L	01090		
											2, 4–D, Total	UG/L	39370		
											2, 4, 5–TP, Total	UG/L	39045	—	
x			x			x			x		Petroleum Hydrocarbons	PPM	45501	0.5	K

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

USE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.

NAME: QC, Inc.

NJPDES NO.: U NJ 0023540

WELL PERMIT NO.: 29-20667-7

SAMPLE DATE YR. MO. DAY: 92 02 12

NJ LAB CERT. NO.: 77655

WQM USE

77648

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 05 91 TO 05 92 (MO. YR. / MO. YR.)

Owner's Well No. C-29A

(C-14-3)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X						X						Chrysene	ug/l	34320	10	K
												Dibenzanthracene	ug/l	34556	10	K
												1,2-Dichlorobenzene	ug/l	34536	10	K
												1,3-Dichlorobenzene	ug/l	34566	10	K
												1,4-Dichlorobenzene	ug/l	34571	10	K
												3,3'-Dichlorobenzidine	ug/l	34631	20	K
												Diethyl Phthalate	ug/l	34336	10	K
												Dimethyl Phthalate	ug/l	34341	10	K
												Di-n-butyl Phthalate	ug/l	39110	10	K
												2,4-Dinitrotolulene	ug/l	34611	10	K
												2,6-Dinitrotolulene	ug/l	34626	10	K
												Di-n-octyl Phthalate	ug/l	34596	10	K
												1,2-Diphenylhydrazine	ug/l	34346	10	K
												Fluoranthene	ug/l	34376	10	K
												Fluorene	ug/l	34381	10	K
												Hexachlorobenzene	ug/l	39700	10	K
												Hexachlorobutadiene	ug/l	34391	10	K
												Hexachlorocyclopentadiene	ug/l	34386	10	K
												Hexachloroethane	ug/l	34396	10	K
												Indenopyrene	ug/l	34403	10	K
												Isophorone	ug/l	34408	10	K
												Naphthalene	ug/l	34696	10	K
												Nitrobenzene	ug/l	34447	10	K
												N-Nitrosodimentlyamine	ug/l	34438	10	K
												N-Nitrosodi-n-propylamine	ug/l	34428	10	K
												N-Nitrosodiphenylamine	ug/l	34433	10	K
												Phenanthrene	ug/l	34461	10	K
												Pyrene	ug/l	34469	10	K
X						X						1,2,4-Trichlorobenzene	ug/l	34551	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

NEW J[illegible]Y DEPARTMENT OF ENVIRONMENTAL PROT[illegible]ON
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

ACID, BASE/NEUTRAL ORGANIC COMPOUNDS

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle | SW ID NO.:

LAB NAME: QC, Inc.

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
U NJ 0 0 2 3 5 4 0	29 - 2 0 6 6 7 - 7	9 2 0 2 1 2	7 7 1 6 6 77648	

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

Owner's Well No. C029A (C-14-3)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
												2-Chlorophenol	ug/l	34586		
												2,4-Dichlorophenol	ug/l	34601		
												2,4-Dimethylphenol	ug/l	34606		
												2,6-Dinitro-o-cresol	ug/l	77603		
												2,4-Dinitrophenol	ug/l	34616		
												2-Nitrophenol	ug/l	34591		
												4-Nitrophenol	ug/l	34649		
												p-Chloro-m-cresol	ug/l	34452		
												Pentachlorophenol	ug/l	39032		
												Phenol	ug/l	34695		
												2,4,6-Trichlorophenol	ug/l	34621		
	x						x					Acenaphthene	ug/l	34205	10	K
												Acenaphthylene	ug/l	34200	10	K
												Anthracene	ug/l	34220	10	K
												Benzidine	ug/l	39120	50	K
												Benzanthracene	ug/l	34526	10	K
												Benzopyrene	ug/l	34247	10	K
												3,4-Benzofluoranthene	ug/l	34230	10	K
												Benzoperylene	ug/l	34521	10	K
												Benzofluoranthene	ug/l	34242	10	K
												Bis(2-chloroethoxy)methane	ug/l	34278	10	K
												Bis(2-chloroethyl) Ether	ug/l	34273	10	K
												Bis(2-chlroisopropyl) Ether	ug/l	34283	10	K
												Bis(2-ethylhexyl) Phthalate	ug/l	39100	9	J
												4-Bromophenyl Ether	ug/l	34636	10	K
												Butylbenzyl Phthalate	ug/l	34292	10	K
												2-Chloronaphthalene	ug/l	34581	10	K
												4-Chlorophenyl Phenyl Ether	ug/l	34641	10	K

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

NEW JE . Y DEPARTMENT OF ENVIRONMENTAL PROTE N
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – VOLATILE ORGANICS REPORT

LEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Naval Weapons Station Earle

SW ID NO.:

LAB NAME: OC, Inc.

NJPDES NO.: T -NJ 0 0 2 3 5 4 0

WELL PERMIT NO.: 2 9 - 2 0 6 6 7 - 7

SAMPLE DATE YR. MO. DAY: 9 2 0 2 1 2

NJ LAB CERT. NO.: 7 7 1 6 6

77648

WQM USE

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 5 9 1 (MO. YR.) TO 0 5 9 2 (MO. YR.)

OWNER'S WELL # C-29A

(C-14-3)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	X						X					Acrylonitrile	UG/L	34215		
												Benzene	UG/L	34030	5	K
												Bromoform	UG/L	32104	5	K
												Carbon Tetrachloride	UG/L	32102	5	K
												Chlorobenzene	UG/L	34301	5	K
												Chlorodibromomethane	UG/L	34306	5	K
												Chloroform	UG/L	32106	1.8	J
												1, 1 - Dichloroethane	UG/L	34496	5	K
												1, 2 - Dichloroethane	UG/L	34531	5	K
												1, 1 - Dichloroethylene	UG/L	34501	5	K
												1, 2 - Dichloropropane	UG/L	34541	5	K
												Ethylbenzene	UG/L	34371	5	K
												Methylene Chloride	UG/L	34423	1.8	J
												1, 1, 2, 2 - Tetrachloroethane	UG/L	34516	5	K
												Tetrachloroethylene	UG/L	34475	5	K
												Toluene	UG/L	34012	5	K
												1, 1, 1 - Trichloroethane	UG/L	34506	5	K
												1, 1, 2 - Trichloroethane	UG/L	34511	5	K
												Trichloroethylene	UG/L	39180	5	K
												Vinyl Chloride	UG/L	39175	10	K
												Acrolein	UG/L	34210		
												Chloroethane	UG/L	34311	10	K
												2 - Chloroethylvinyl Ether	UG/L	34576		
												Dichlorobromomethane	UG/L	32105	5	K
												1, 3 - Dichloropropylene	UG/L	34699	5	K
												Methyl Bromide	UG/L	34413	10	K
												Methyl Chloride	UG/L	34418	10	K
	X						X					1, 2 - trans - Dichloroethylene	UG/L	34546	5	K
												1, 2 Dichlorobenzene	UG/L	34536		
												1, 3 Dichlorobenzene	UG/L	34566		
												1, 4 Dichlorobenzene	UG/L	34571		

29 42 55 68 — 33 34 46 47 59 60 72 73 — 40 41 53 54 66 67 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE