SECOND QUARTERLY REPORT

INITIAL YEAR OF GROUNDWATER TREATMENT FACILITY OPERATION

VOLUME 2 OF 2

SUBMITTED TO:

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS

JANUARY 1993

SECOND QUARTERLY REPORT

INITIAL YEAR

OF

GROUNDWATER TREATMENT FACILITY OPERATION

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20701EA	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/1/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.64
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.11
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.09
DICHLOROBENZENE, m	4.7	0.09
DICHLORBENZENE, p	4.7	0.17
DICHLOROBENZENE, o,m, & p	50	0.35
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.43
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.08
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.51
TOLUENE	5	0.06
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.07
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.03
XYLENE, o, m & p	50	0.08

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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EPA METHODS 601 & 602

SAMPLE ID	20701EP	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	TC/LK
DATE	7/01/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.89
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.11
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.10
DICHLOROBENZENE, m	4.7	0.09
DICHLORBENZENE, p	4.7	0.17
DICHLOROBENZENE, o,m, & p	50	0.36
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.82
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.08
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.57
TOLUENE	5	0.06
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.07
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.07

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EPA METHODS 601 & 602

SAMPLE ID:	20702EA	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/02/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.88
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.09
DICHLOROBENZENE, m	4.7	0.07
DICHLORBENZENE, p	4.7	0.14
DICHLOROBENZENE, o,m, & p	50	0.30
1,1 DICHLOROETHANE	5	0.14
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.09
1,2 DICHLOROETHENE, trans	5	0.17
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.53
TOLUENE	5	0.02
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.22
VINYL CHLORIDE	2	0.16
XYLENE, o	5	0.04
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.04

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DATE:	7/02/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	22.14
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.02
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.24
CHLORODIBROMOMETHANE	50 ***	3.11
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.73
DICHLOROBENZENE, m	4.7	0.27
DICHLORBENZENE, p	4.7	0.00
DICHLOROBENZENE, o,m, & p	50	1.00
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.00
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.18
METHYLENE CHLORIDE	5	0.79
TETRACHLOROETHENE	0.7	13.29
TOLUENE	5	0.37
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	1.16
VINYL CHLORIDE	2	1.40
XYLENE, o	5	0.39
XYLENE, m & p	5	0.19
XYLENE, o, m & p	50	0.58

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EPA METHODS 601 & 602

SAMPLE ID:	20702IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/02/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	251.83
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.79
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.90
DICHLOROBENZENE, m	4.7	0.27
DICHLORBENZENE, p	4.7	3.26
DICHLOROBENZENE, o,m, & p	50	4.43
1,1 DICHLOROETHANE	5	15.75
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	74.06
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	1.67
TETRACHLOROETHENE	0.7	129.42
TOLUENE	5	0.32
1,1,1 TRICHLOROETHANE	5	1.82
TRICHLOROETHYLENE	5	9.25
VINYL CHLORIDE	2	9.46
XYLENE, o	5	4.66
XYLENE, m & p	5	0.11
XYLENE, o, m & p	50	4.77

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SAMPLE ID:	20702IP	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/02/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	250.26
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.01
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.02
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	2.07
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.08
DICHLOROBENZENE, m	4.7	0.21
DICHLORBENZENE, p	4.7	3.65
DICHLOROBENZENE, o,m, & p	50	4.94
1,1 DICHLOROETHANE	5	8.73
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.27
1,2 DICHLOROETHENE, cis	50	80.66
1,2 DICHLOROETHENE, trans	5	0.45
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.04
METHYLENE CHLORIDE	5	4.64
TETRACHLOROETHENE	0.7	121.95
TOLUENE	5	0.18
1,1,1 TRICHLOROETHANE	5	3.68
TRICHLOROETHYLENE	5	11.03
VINYL CHLORIDE	2	5.82
XYLENE, o	5	5.16
XYLENE, m & p	5	0.06
XYLENE, o, m & p	50	5.22

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TOWN OF OYSTER BAY

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GROUNDWATER TREATMENT FACILITY

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EPA METHODS 601 & 602

SAMPLE ID	20706EA	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	TC/LK
DATE	7/06/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.98
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.03
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.14
DICHLOROBENZENE, m	4.7	0.09
DICHLORBENZENE, p	4.7	0.15
DICHLOROBENZENE, o,m, & p	50	0.38
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.62
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.10
TETRACHLOROETHENE	0.7	0.59
TOLUENE	5	0.05
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.11
VINYL CHLORIDE	2	0.12
XYLENE, o	5	0.04
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.05

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LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/6/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	3.18
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.01
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.03
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.13
DICHLOROBENZENE, m	4.7	0.09
DICHLORBENZENE, p	4.7	0.17
DICHLOROBENZENE, o,m, & p	50	0.39
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.59
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.07
TETRACHLOROETHENE	0.7	0.91
TOLUENE	5	0.02
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.08
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.05

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SAMPLE ID:	20706IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/06/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	272.24
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.06
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.57
DICHLOROBENZENE, m	4.7	0.34
DICHLORBENZENE, p	4.7	4.09
DICHLOROBENZENE, o,m, & p	60	6.00
1,1 DICHLOROETHANE	5	6.80
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	87.59
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.14
METHYLENE CHLORIDE	5	4.16
TETRACHLOROETHENE	0.7	144.75
TOLUENE	5	0.40
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	11.06
VINYL CHLORIDE	2	4.72
XYLENE, o	5	5.43
XYLENE, m & p	5	0.13
XYLENE, o, m & p	50	5.56

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EPA METHODS 601 & 602

SAMPLE ID	20706IP	SAMPLER	TC
LOCATION	INFLUENT-RAP	ANALYST	IC/LK
DATE	7/06/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	283.82
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 —	0.00
BROMOFORM	50 —	0.06
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.11
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 —	0.00
DICHLOROBENZENE, o	4.7	1.78
DICHLOROBENZENE, m	4.7	0.18
DICHLORBENZENE, p	4.7	3.93
DICHLOROBENZENE, o,m, & p	50	5.89
1,1 DICHLOROETHANE	5	7.08
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	81.39
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.21
METHYLENE CHLORIDE	5	4.20
TETRACHLOROETHENE	0.7	149.84
TOLUENE	5	0.43
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	11.54
VINYL CHLORIDE	2	6.52
XYLENE, o	5	5.37
XYLENE, m & p	5	0.19
XYLENE, o, m & p	50	5.56

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20720EA	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/20/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.21
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.12
DICHLOROBENZENE, m	4.7	0.10
DICHLORBENZENE, p	4.7	0.17
DICHLOROBENZENE, o,m, & p	50	0.39
1,1 DICHLOROETHANE	5	0.08
1,2 DICHLOROETHANE	5	0.07
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.97
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.06
METHYLENE CHLORIDE	5	0.08
TETRACHLOROETHENE	0.7	0.21
TOLUENE	5	0.10
1,1,1 TRICHLOROETHANE	5	0.04
TRICHLOROETHYLENE	5	0.09
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.08
XYLENE, m & p	5	0.05
XYLENE, o, m & p	50	0.13

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20720EP	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/20/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	3.13
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.10
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.09
DICHLOROBENZENE, m	4.7	0.07
DICHLORBENZENE, p	4.7	0.16
DICHLOROBENZENE, o,m, & p	50	0.32
1,1 DICHLOROETHANE	5	0.10
1,2 DICHLOROETHANE	5	0.12
1,1 DICHLOROETHENE	0.07	0.08
1,2 DICHLOROETHENE, cis	50	1.60
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.08
TETRACHLOROETHENE	0.7	0.59
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.08
VINYL CHLORIDE	2	0.04
XYLENE, o	5	0.07
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.07

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20720IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/20/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	241.14
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.30
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	1.14
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.15
DICHLOROBENZENE, m	4.7	0.00
DICHLORBENZENE, p	4.7	3.66
DICHLOROBENZENE, o,m, & p	50	4.81
1,1 DICHLOROETHANE	5	19.02
1,2 DICHLOROETHANE	5	1.25
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	97.02
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	7.64
TETRACHLOROETHENE	0.7	84.23
TOLUENE	5	0.25
1,1,1 TRICHLOROETHANE	5	2.49
TRICHLOROETHYLENE	5	8.33
VINYL CHLORIDE	2	6.56
XYLENE, o	5	7.01
XYLENE, m & p	5	0.09
XYLENE, o, m & p	50	7.10

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20720IP	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/20/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	310.70
BENZENE	ND	0.00
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.69
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.97
DICHLOROBENZENE, m	4.7	0.37
DICHLORBENZENE, p	4.7	3.77
DICHLOROBENZENE, o,m, & p	50	5.11
1,1 DICHLOROETHANE	5	15.50
1,2 DICHLOROETHANE	5	1.58
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	85.48
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	8.71
TETRACHLOROETHENE	0.7	165.30
TOLUENE	5	0.32
1,1,1 TRICHLOROETHANE	5	3.84
TRICHLOROETHYLENE	5	13.09
VINYL CHLORIDE	2	6.10
XYLENE, o	5	6.35
XYLENE, m & p	5	0.15
XYLENE, o, m & p	50	6.50

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20721EA	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	7/21/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCS	100	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]BROMETHANE	[illegible]	[illegible]
BROMOFORM	50 ***	0.00
[illegible] TETRACHLORIDE	[illegible]	[illegible]
CHLOROBENZENE	5	[illegible]
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.07
DICHLOROBENZENE, m	4.7	0.05
DICHLOROBENZENE, p	4.7	0.17
DICHLOROBENZENE, o,m, & p	50	0.29
1,1 DICHLOROETHANE	5	0.13
1,2 DICHLOROETHANE	5	0.10
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.45
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.19
TETRACHLOROETHENE	0.7	0.40
TOLUENE	5	0.06
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.07
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.02
XYLENE, o,m & p	50	[illegible]

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20721IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/21/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	312.83
BENZENE	ND	9.07
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.05
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.79
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.87
DICHLOROBENZENE, m	4.7	0.00
DICHLORBENZENE, p	4.7	3.46
DICHLOROBENZENE, o,m, & p	50	4.33
1,1 DICHLOROETHANE	5	15.90
1,2 DICHLOROETHANE	5	1.09
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	86.28
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.85
TETRACHLOROETHENE	0.7	160.22
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	2.82
TRICHLOROETHYLENE	5	13.07
VINYL CHLORIDE	2	5.54
XYLENE, o	5	6.22
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	6.22

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT

EPA METHODS 601 & 602

SAMPLE ID:	20721EP	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/21/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.86
BENZENE	ND	0.06
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.08
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.06
DICHLOROBENZENE, m	4.7	0.04
DICHLORBENZENE, p	4.7	0.12
DICHLOROBENZENE, o,m, & p	60	0.22
1,1 DICHLOROETHANE	5	0.10
1,2 DICHLOROETHANE	5	0.09
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	60	1.40
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.13
TETRACHLOROETHENE	0.7	0.47
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.05
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.05

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*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20721IP	SAMPLER	TC
LOCATION	INFLUENT-RAP	ANALYST	TC/LK
DATE	7/21/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	336.43
BENZENE	ND	9.81
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.34
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.92
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.98
DICHLOROBENZENE, m	4.7	0.33
DICHLORBENZENE, p	4.7	3.51
DICHLOROBENZENE, o,m, & p	50	4.82
1,1 DICHLOROETHANE	5	17.08
1,2 DICHLOROETHANE	5	1.29
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	89.04
1,2 DICHLOROETHENE, trans	5	0.41
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.38
METHYLENE CHLORIDE	5	7.84
TETRACHLOROETHENE	0.7	171.20
TOLUENE	5	0.48
1,1,1 TRICHLOROETHANE	5	3.71
TRICHLOROETHYLENE	5	13.87
VINYL CHLORIDE	2	6.59
XYLENE, o	5	6.62
XYLENE, m & p	5	0.28
XYLENE, o, m & p	50	6.90

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT

EPA METHODS 601 & 602

SAMPLE ID	20722EA	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	7/22/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCS	100	2.00
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.00
[illegible]	50 ***	0.00
[illegible]	5	0.00
[illegible]	5	0.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.07
DICHLOROBENZENE, m	4.7	0.05
DICHLOROBENZENE, p	4.7	0.16
DICHLOROBENZENE, o,m, & p	50	0.27
1,1 DICHLOROETHANE	5	0.11
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	[illegible]
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.49
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.12
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.06
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.06

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20722EP	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	TC/LK
DATE	7/22/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.76
BENZENE	ND	0.06
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.08
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.06
DICHLOROBENZENE, m	4.7	0.05
DICHLORBENZENE, p	4.7	0.13
DICHLOROBENZENE, o,m, & p	50	0.24
1,1 DICHLOROETHANE	5	0.09
1,2 DICHLOROETHANE	5	0.08
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.62
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.08
TETRACHLOROETHENE	0.7	0.52
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.00
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.05

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20722IA	SAMPLER	TC
LOCATION	IFLUENT-RAP	ANALYST	TC/LK
DATE	7/22/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	306.61
BENZENE	ND	0.82
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.02
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.83
DICHLOROBENZENE, m	4.7	0.00
DICHLORBENZENE, p	4.7	3.07
DICHLOROBENZENE, o,m, & p	50	3.90
1,1 DICHLOROETHANE	5	15.37
1,2 DICHLOROETHANE	5	1.01
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	84.71
1,2 DICHLOROETHENE, trans	5	0.33
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.23
TETRACHLOROETHENE	0.7	150.30
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	2.62
TRICHLOROETHYLENE	5	12.63
VINYL CHLORIDE	2	5.48
XYLENE, o	5	6.04
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	6.04

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20722IP	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/22/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION*** (ug/l)
TOTAL VOCs	100	326.66
BENZENE	ND	9.44
BROMODICHLOROMETHANE	50 **	0.00
BROMOFORM	50 **	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.05
CHLORODIBROMOMETHANE	50 **	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 **	0.00
DICHLOROBENZENE, o	4.7	0.92
DICHLOROBENZENE, m	4.7	0.00
DICHLORBENZENE, p	4.7	3.27
DICHLOROBENZENE, o,m, & p	60	4.19
1,1 DICHLOROETHANE	5	16.49
1,2 DICHLOROETHANE	5	1.07
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	87.06
1,2 DICHLOROETHENE, trans	5	0.36
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	8.80
TETRACHLOROETHENE	0.7	169.12
TOLUENE	5	0.36
1,1,1 TRICHLOROETHANE	5	3.86
TRICHLOROETHYLENE	5	14.35
VINYL CHLORIDE	2	5.88
XYLENE, o	5	6.38
XYLENE, m & p	5	0.19
XYLENE, o, m & p	60	6.57

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS. TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

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SAMPLE ID#	20723EA	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	7/23/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCS	100	2.08
BENZENE	40	[illegible]
BROMODICHLOROMETHANE	50 ***	[illegible]
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	[illegible]
CHLOROBENZENE	4	[illegible]
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.06
DICHLOROBENZENE, m	4.7	0.05
DICHLORBENZENE, p	4.7	0.12
DICHLOROBENZENE, o,m, & p	50	0.23
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.13
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.04
TETRACHLOROETHENE	0.7	0.09
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.00
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.04
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.04

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/?? LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID	20723EP	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	TC/LK
DATE	7/23/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.99
BENZENE	ND	0.04
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.07
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.05
DICHLOROBENZENE, m	4.7	0.04
DICHLORBENZENE, p	4.7	0.10
DICHLOROBENZENE, o,m, & p	50	0.19
1,1 DICHLOROETHANE	5	0.04
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.04
1,2 DICHLOROETHENE, trans	5	0.03
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.05
TETRACHLOROETHENE	0.7	0.38
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	0.07
TRICHLOROETHYLENE	5	0.04
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.04
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.04

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID	20723IA	SAMPLER	TC
LOCATION	INFLUENT-RAP	ANALYST	TC/LK
DATE	7/23/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	311.18
BENZENE	ND	8.81
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.03
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.87
DICHLOROBENZENE, m	4.7	0.00
DICHLORBENZENE, p	4.7	3.02
DICHLOROBENZENE, o,m, & p	50	3.89
1,1 DICHLOROETHANE	5	14.93
1,2 DICHLOROETHANE	5	0.87
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	84.02
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	4.84
TETRACHLOROETHENE	0.7	166.25
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	2.68
TRICHLOROETHYLENE	5	12.38
VINYL CHLORIDE	2	5.58
XYLENE, o	5	6.00
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	6.00

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
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EPA METHODS 601 & 602

SAMPLE ID#	20723IP	SAMPLER	TC
LOCATION	INFLUENT-RAP	ANALYST	TC/LK
DATE	7/23/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	314.70
BENZENE	ND	8.92
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.99
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.93
DICHLOROBENZENE, m	4.7	0.00
DICHLORBENZENE, p	4.7	3.16
DICHLOROBENZENE, o,m, & p	50	4.09
1,1 DICHLOROETHANE	5	15.72
1,2 DICHLOROETHANE	5	0.93
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	86.74
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	8.04
TETRACHLOROETHENE	0.7	166.29
TOLUENE	5	0.00
1,1,1 TRICHLOROETHANE	5	2.98
TRICHLOROETHYLENE	5	13.00
VINYL CHLORIDE	2	9.81
XYLENE, o	5	6.13
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	6.13

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*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID	20724EA	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	7/24/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCS	100	2.42
BENZENE	0.7	0.07
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.12
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.01
DICHLOROBENZENE, m	4.7	0.06
DICHLOROBENZENE, p	4.7	0.14
DICHLOROBENZENE, o,m, & p	50	0.07
1,1 DICHLOROETHANE	5	0.07
1,2 DICHLOROETHANE	5	0.06
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.17
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.07
METHYLENE CHLORIDE	5	0.04
TETRACHLOROETHENE	0.7	0.40
TOLUENE	5	0.04
1,1,1 TRICHLOROETHANE	5	0.06
TRICHLOROETHYLENE	5	0.09
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.07

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE #:	20724EP	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/24/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.39
BENZENE	ND	0.06
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.09
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.05
DICHLOROBENZENE, m	4.7	0.04
DICHLORBENZENE, p	4.7	0.11
DICHLOROBENZENE, o,m, & p	50	0.20
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.54
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.34
TOLUENE	5	0.02
1,1,1 TRICHLOROETHANE	5	0.08
TRICHLOROETHYLENE	5	0.08
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.04
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.04

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20724IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/24/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	314.66
BENZENE	ND	9.21
BROMODICHLOROMETHANE	50 —	0.00
BROMOFORM	50 —	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.18
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 —	0.00
DICHLOROBENZENE, o	4.7	0.84
DICHLOROBENZENE, m	4.7	0.15
DICHLORBENZENE, p	4.7	0.88
DICHLOROBENZENE, o,m, & p	50	1.87
1,1 DICHLOROETHANE	5	14.61
1,2 DICHLOROETHANE	5	0.89
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	89.30
1,2 DICHLOROETHENE, trans	5	0.51
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.10
METHYLENE CHLORIDE	5	5.77
TETRACHLOROETHENE	0.7	163.78
TOLUENE	5	0.23
1,1,1 TRICHLOROETHANE	5	2.62
TRICHLOROETHYLENE	5	12.99
VINYL CHLORIDE	2	5.19
XYLENE, o	5	6.36
XYLENE, m & p	5	0.05
XYLENE, o, m & p	50	6.41

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20724IP	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/24/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	325.43
BENZENE	ND	9.61
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.40
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.97
DICHLOROBENZENE, m	4.7	0.26
DICHLORBENZENE, p	4.7	1.08
DICHLOROBENZENE, o,m, & p	50	2.31
1,1 DICHLOROETHANE	5	14.75
1,2 DICHLOROETHANE	5	1.12
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	90.66
1,2 DICHLOROETHENE, trans	5	0.37
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.81
METHYLENE CHLORIDE	5	0.87
TETRACHLOROETHENE	0.7	168.86
TOLUENE	5	0.61
1,1,1 TRICHLOROETHANE	5	2.96
TRICHLOROETHYLENE	5	13.74
VINYL CHLORIDE	2	5.47
XYLENE, o	5	6.58
XYLENE, m & p	5	0.23
XYLENE, o, m & p	50	6.81

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

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SAMPLE ID	20727EAX	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	7/27/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	[illegible]
BENZENE	[illegible]	[illegible]
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	[illegible]
CHLOROBENZENE	5	[illegible]
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.10
DICHLOROBENZENE, m	4.7	0.05
DICHLOROBENZENE, p	4.7	0.18
DICHLOROBENZENE, o,m, & p	50	0.38
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.07
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.22
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.06
TETRACHLOROETHENE	4.7	0.27
TOLUENE	5	0.03
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.21
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.07

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID	20727EP	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	TC/LK
DATE	7/27/92	TIME	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION*** (ug/l)
TOTAL VOCs	100	2.58
BENZENE	ND	0.08
BROMODICHLOROMETHANE	50 **	0.00
BROMOFORM	50 **	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.12
CHLORODIBROMOMETHANE	50 **	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 **	0.00
DICHLOROBENZENE, o	4.7	0.09
DICHLOROBENZENE, m	4.7	0.08
DICHLORBENZENE, p	4.7	0.18
DICHLOROBENZENE, o,m, & p	50	0.35
1,1 DICHLOROETHANE	5	0.07
1,2 DICHLOROETHANE	5	0.07
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.37
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.04
TETRACHLOROETHENE	0.7	0.08
TOLUENE	5	0.01
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.07
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.06

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS. TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20728EAX	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	7/28/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCS	100	2.02
BENZENE	[illegible]	0.07
BROMODICHLOROMETHANE	50 ***	[illegible]
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	[illegible]
CHLOROBENZENE	5	[illegible]
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.10
DICHLOROBENZENE, m	4.7	0.06
DICHLOROBENZENE, p	4.7	0.15
DICHLOROBENZENE, o,m, & p	50	0.31
1,1 DICHLOROETHANE	5	0.07
1,2 DICHLOROETHANE	5	0.07
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.27
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.06
TETRACHLOROETHENE	0.7	0.40
TOLUENE	5	0.03
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.10
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.01
XYLENE, o,m & p	50	0.06

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20728EP	SAMPLER:	TC
LOCATION:	EFFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/28/92	TIME:	~~AM~~ PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.46
BENZENE	ND	0.08
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.10
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.01
DICHLOROBENZENE, m	4.7	0.05
DICHLORBENZENE, p	4.7	0.15
DICHLOROBENZENE, o,m, & p	50	0.21
1,1 DICHLOROETHANE	5	0.07
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.40
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.44
TOLUENE	5	0.02
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.07
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.06
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.06

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20727IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC&LK
DATE:	7/27/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	282.81
BENZENE	ND	10.44
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.40
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.94
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.10
DICHLOROBENZENE, m	4.7	0.31
DICHLORBENZENE, p	4.7	1.23
DICHLOROBENZENE, o,m, & p	60	2.64
1,1 DICHLOROETHANE	5	15.70
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	93.19
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.14
METHYLENE CHLORIDE	5	6.79
TETRACHLOROETHENE	0.7	120.21
TOLUENE	5	0.35
1,1,1 TRICHLOROETHANE	5	2.89
TRICHLOROETHYLENE	5	12.82
VINYL CHLORIDE	2	6.68
XYLENE, o	5	7.48
XYLENE, m & p	5	0.07
XYLENE, o, m & p	50	7.55

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20727IP	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/27/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	331.93
BENZENE	ND	10.38
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	1.06
CHLOROBENZENE	5	1.84
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.54
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.49
DICHLOROBENZENE, m	4.7	0.70
DICHLORBENZENE, p	4.7	4.46
DICHLOROBENZENE, o,m, & p	50	6.65
1,1 DICHLOROETHANE	5	16.24
1,2 DICHLOROETHANE	5	1.34
1,1 DICHLOROETHENE	0.07	0.54
1,2 DICHLOROETHENE, cis	50	90.05
1,2 DICHLOROETHENE, trans	5	0.86
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.88
METHYLENE CHLORIDE	5	7.92
TETRACHLOROETHENE	0.7	159.18
TOLUENE	5	1.08
1,1,1 TRICHLOROETHANE	5	4.52
TRICHLOROETHYLENE	5	13.80
VINYL CHLORIDE	2	7.18
XYLENE, o	5	7.19
XYLENE, m & p	5	0.64
XYLENE, o, m & p	50	7.83

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20728IA	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	7/28/92	TIME:	8:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	284.89
BENZENE	ND	8.02
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.08
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.87
DICHLOROBENZENE, m	4.7	0.16
DICHLORBENZENE, p	4.7	0.86
DICHLOROBENZENE, o,m, & p	50	1.89
1,1 DICHLOROETHANE	5	11.75
1,2 DICHLOROETHANE	5	0.91
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	76.18
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.09
METHYLENE CHLORIDE	5	5.44
TETRACHLOROETHENE	0.7	137.95
TOLUENE	5	0.24
1,1,1 TRICHLOROETHANE	5	2.06
TRICHLOROETHYLENE	5	9.96
VINYL CHLORIDE	2	8.48
XYLENE, o	5	5.65
XYLENE, m & p	5	0.04
XYLENE, o, m & p	50	5.69

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20728IP	SAMPLER:	TC
LOCATION:	INFLUENT-RAP	ANALYST:	TC/LK
DATE:	7/28/92	TIME:	PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	279.86
BENZENE	ND	3.19
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.11
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.98
DICHLOROBENZENE, m	4.7	0.24
DICHLORBENZENE, p	4.7	3.47
DICHLOROBENZENE, o,m, & p	50	4.69
1,1 DICHLOROETHANE	5	12.43
1,2 DICHLOROETHANE	5	0.05
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	76.76
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.12
METHYLENE CHLORIDE	5	6.19
TETRACHLOROETHENE	0.7	146.57
TOLUENE	5	0.26
1,1,1 TRICHLOROETHANE	5	2.23
TRICHLOROETHYLENE	5	10.35
VINYL CHLORIDE	2	4.26
XYLENE, o	5	5.68
XYLENE, m & p	5	0.06
XYLENE, o, m & p	50	5.74

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20730EAX	SAMPLER	TC
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	7/30/92 AM	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCS	100	2.88
BENZENE	50	0.09
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.10
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.01
DICHLOROBENZENE, m	4.7	0.06
DICHLOROBENZENE, p	4.7	0.16
DICHLOROBENZENE, o,m, & p	50	0.23
1,1 DICHLOROETHANE	5	0.09
1,2 DICHLOROETHANE	5	0.06
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.43
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.47
TOLUENE	5	0.03
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.21
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.06
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.07

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20730IA	SAMPLER:	LK
LOCATION:	IFLUENT-RAP	ANALYST:	LK
DATE:	7/30/92	TIME:	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	267.02
BENZENE	ND	0.27
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.17
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.83
DICHLOROBENZENE, m	4.7	0.15
DICHLORBENZENE, p	4.7	0.82
DICHLOROBENZENE, o,m, & p	50	1.80
1,1 DICHLOROETHANE	5	11.90
1,2 DICHLOROETHANE	5	0.99
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	77.67
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.11
METHYLENE CHLORIDE	5	3.10
TETRACHLOROETHENE	0.7	139.71
TOLUENE	5	0.28
1,1,1 TRICHLOROETHANE	5	2.01
TRICHLOROETHYLENE	5	10.34
VINYL CHLORIDE	2	8.71
XYLENE, o	5	5.91
XYLENE, m & p	5	0.05
XYLENE, o, m & p	50	5.96

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20731EAA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	7/31/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT (VOLATILES)	ALLOWABLE EFFLUENT CONCENTRATION (ug/l)	MEASURED CONCENTRATION (ug/l)
TOTAL VOCs	100	2.34
BENZENE	ND	0.07
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.13
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.01
DICHLOROBENZENE, m	4.7	0.06
DICHLOROBENZENE, p	4.7	0.13
DICHLOROBENZENE, o,m, & p	50	0.2
1,1 DICHLOROETHANE	5	0.07
1,2 DICHLOROETHANE	5	0.07
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.19
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.05
TETRACHLOROETHENE	0.7	0.32
TOLUENE	5	0.03
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.19
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.01
XYLENE, o,m&p	50	0.06

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20731IA	SAMPLER:	LK
LOCATION:	IFLUENT-RAP	ANALYST:	LK
DATE:	7/31/92	TIME:	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	321.50
BENZENE	ND	8.75
BROMODICHLOROMETHANE	50 —	0.00
BROMOFORM	50 —	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.03
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 —	0.00
DICHLOROBENZENE, o	4.7	0.89
DICHLOROBENZENE, m	4.7	0.54
DICHLORBENZENE, p	4.7	3.95
DICHLOROBENZENE, o,m, & p	50	5.38
1,1 DICHLOROETHANE	5	20.87
1,2 DICHLOROETHANE	5	1.24
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	80.30
1,2 DICHLOROETHENE, trans	5	2.09
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	10.05
TETRACHLOROETHENE	0.7	146.44
TOLUENE	5	0.45
1,1,1 TRICHLOROETHANE	5	3.00
TRICHLOROETHYLENE	5	31.42
VINYL CHLORIDE	2	5.50
XYLENE, o	5	8.33
XYLENE, m & p	5	0.15
XYLENE, o, m & p	50	8.48

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20806EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	8/6/92	TIME	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]OROMETHANE	50 ***	[illegible]
BROMOFORM	50 ***	0.00
[illegible]	[illegible]	[illegible]
CHLOROBENZENE	5	[illegible]
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.00
DICHLOROBENZENE, m	4.7	0.07
DICHLOROBENZENE, p	4.7	0.19
DICHLOROBENZENE, o,m, & p	50	0.26
1,1 DICHLOROETHANE	5	0.09
1,2 DICHLOROETHANE	5	0.05
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.00
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.49
TOLUENE	5	0.05
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.00
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.10
XYLENE, m & p	5	0.02
XYLENE, o,m & p	50	0.12

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20806IA	SAMPLER	LK
LOCATION	INFLUENT-RAP	ANALYST	LK
DATE	8/6/92	TIME	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	240.76
BENZENE	ND	6.69
BROMODICHLOROMETHANE	50 —	0 00
BROMOFORM	50 —	0 00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.89
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 —	0.00
DICHLOROBENZENE, o	4.7	1.03
DICHLOROBENZENE, m	4.7	0.29
DICHLORBENZENE, p	4.7	2.87
DICHLOROBENZENE, o,m, & p	50	4.19
1,1 DICHLOROETHANE	5	10.56
1,2 DICHLOROETHANE	5	0.86
1,1 DICHLOROETHENE	0.07	0 00
1,2 CICHLOROETHENE, cis	50	60.72
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.09
METHYLENE CHLORIDE	5	6.23
TETRACHLOROETHENE	0.7	125.43
TOLUENE	5	0.20
1,1,1 TRICHLOROETHANE	5	2.40
TRICHLOROETHYLENE	5	8.91
VINYL CHLORIDE	2	9.07
XYLENE, o	5	4.47
XYLENE, m & p	5	0.05
XYLENE, o, m & p	50	4.52

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

***

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20807EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	8/7/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.05
BENZENE	[illegible]	[illegible]
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.00
DICHLOROBENZENE, m	4.7	0.05
DICHLOROBENZENE, p	4.7	0.08
DICHLOROBENZENE, o,m, & p	50	0.13
1,1 DICHLOROETHANE	5	0.04
1,2 DICHLOROETHANE	5	0.06
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.70
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.20
TOLUENE	5	0.05
1,1,1 TRICHLOROETHANE	5	0.07
TRICHLOROETHYLENE	5	0.11
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.04
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.05

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT

EPA METHODS 601 & 602

SAMPLE ID:	20807IA	SAMPLER:	LK
LOCATION:	IFLUENT-RAP	ANALYST:	LK
DATE:	8/7/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	303.66
BENZENE	ND	8.92
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.95
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.90
DICHLOROBENZENE, m	4.7	0.63
DICHLORBENZENE, p	4.7	2.93
DICHLOROBENZENE, o,m, & p	50	4.46
1,1 DICHLOROETHANE	5	18.28
1,2 DICHLOROETHANE	5	1.14
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	83.13
1,2 DICHLOROETHENE, trans	5	0.63
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.15
METHYLENE CHLORIDE	5	8.12
TETRACHLOROETHENE	0.7	151.66
TOLUENE	5	0.27
1,1,1 TRICHLOROETHANE	5	3.00
TRICHLOROETHYLENE	5	11.64
VINYL CHLORIDE	2	9.92
XYLENE, o	5	6.31
XYLENE, m & p	5	0.08
XYLENE, o, m & p	50	6.39

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20810EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	8/10/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.70
BENZENE	ND	0.07
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.06
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.02
DICHLOROBENZENE, m	4.7	0.03
DICHLORBENZENE, p	4.7	0.04
DICHLOROBENZENE, o,m, & p	50	0.09
1,1 DICHLOROETHANE	5	0.04
1,2 DICHLOROETHANE	5	0.06
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.59
1,2 DICHLOROETHENE, trans	5	0.13
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.07
TETRACHLOROETHENE	0.7	0.16
TOLUENE	5	0.04
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.20
VINYL CHLORIDE	2	0.18
XYLENE, o	5	0.04
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.05

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE #	20821EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	0/21/92	TIME	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.02
BENZENE	ND	0.05
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.48
DICHLOROBENZENE, m	4.7	0.05
DICHLOROBENZENE, p	4.7	0.01
DICHLOROBENZENE, o,m, & p	50	0.54
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.20
1,2 DICHLOROETHENE, trans	5	0.06
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	0.00
TOLUENE	5	0.05
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.04
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.04
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.06

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20810IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	8/10/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	249.38
BENZENE	ND	6.64
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.08
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.17
DICHLOROBENZENE, m	4.7	0.10
DICHLORBENZENE, p	4.7	2.15
DICHLOROBENZENE, o,m, & p	50	2.42
1,1 DICHLOROETHANE	5	11.26
1,2 DICHLOROETHANE	5	0.95
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	64.06
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	6.36
TETRACHLOROETHENE	0.7	131.64
TOLUENE	5	0.27
1,1,1 TRICHLOROETHANE	5	2.52
TRICHLOROETHYLENE	5	9.12
VINYL CHLORIDE	2	9.11
XYLENE, o	5	4.71
XYLENE, m & p	5	0.04
XYLENE, o, m & p	50	4.75

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20821IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	8/21/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	312.62
BENZENE	ND	6.35
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.50
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.48
DICHLOROBENZENE, m	4.7	0.15
DICHLORBENZENE, p	4.7	2.37
DICHLOROBENZENE, o,m, & p	50	3.00
1,1 DICHLOROETHANE	5	14.45
1,2 DICHLOROETHANE	5	1.05
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	74.99
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	7.75
TETRACHLOROETHENE	0.7	166.48
TOLUENE	5	0.24
1,1,1 TRICHLOROETHANE	5	3.35
TRICHLOROETHYLENE	5	13.54
VINYL CHLORIDE	2	11.99
XYLENE, o	5	6.86
XYLENE, m & p	5	0.07
XYLENE, o, m & p	50	6.93

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20824EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	8/24/92	TIME	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.76
BENZENE	ND	0.12
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.01
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.02
DICHLOROBENZENE, m	4.7	0.06
DICHLORBENZENE, p	4.7	0.09
DICHLOROBENZENE, o,m, & p	50	0.17
1,1 DICHLOROETHANE	5	0.09
1,2 DICHLOROETHANE	5	0.09
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.18
1,2 DICHLOROETHENE, trans	5	0.03
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.17
TETRACHLOROETHENE	0.7	0.40
TOLUENE	5	0.10
1,1,1 TRICHLOROETHANE	5	0.04
TRICHLOROETHYLENE	5	0.10
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.14
XYLENE, m & p	5	0.09
XYLENE, o, m & p	50	0.23

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20824IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	8/24/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	314.67
BENZENE	ND	9.20
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.21
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.61
DICHLOROBENZENE, m	4.7	0.37
DICHLOROBENZENE, p	4.7	2.66
DICHLOROBENZENE, o,m, & p	50	4.64
1,1 DICHLOROETHANE	5	14.61
1,2 DICHLOROETHANE	5	1.56
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	69.63
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.28
METHYLENE CHLORIDE	5	4.38
TETRACHLOROETHENE	0.7	169.81
TOLUENE	5	0.53
1,1,1 TRICHLOROETHANE	5	6.82
TRICHLOROETHYLENE	5	14.42
VINYL CHLORIDE	2	12.92
XYLENE, o	5	6.14
XYLENE, m & p	5	0.74
XYLENE, o, m & p	50	6.88

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20826EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	8/26/92	TIME	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	3.36
BENZENE	ND	0.30
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.01
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.06
DICHLOROBENZENE, m	4.7	0.05
DICHLOROBENZENE, p	4.7	0.07
DICHLOROBENZENE, o,m, & p	50	0.18
1,1 DICHLOROETHANE	5	0.10
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.08
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.04
METHYLENE CHLORIDE	5	0.13
TETRACHLOROETHENE	0.7	0.41
TOLUENE	5	0.11
1,1,1 TRICHLOROETHANE	5	0.04
TRICHLOROETHYLENE	5	0.11
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.66
XYLENE, m & p	5	0.11
XYLENE, o, m & p	50	0.77

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20826IA	SAMPLER	LK
LOCATION	INFLUENT-RAP	ANALYST	LK
DATE	8/26/02	TIME	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	361.62
BENZENE	ND	10.22
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.24
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.55
DICHLOROBENZENE, m	4.7	0.25
DICHLOROBENZENE, p	4.7	2.91
DICHLOROBENZENE, o,m, & p	50	3.69
1,1 DICHLOROETHANE	5	17.98
1,2 DICHLOROETHANE	5	1.62
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	82.30
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.09
METHYLENE CHLORIDE	5	10.73
TETRACHLOROETHENE	0.7	180.05
TOLUENE	5	0.36
1,1,1 TRICHLOROETHANE	5	4.11
TRICHLOROETHYLENE	5	10.95
VINYL CHLORIDE	2	16.58
XYLENE, o	5	7.06
XYLENE, m & p	5	0.29
XYLENE, o, m & p	50	7.35

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20008EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/8/92	TIME:	11:25 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	4.18
BENZENE	ND	0.22
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.04
CHLOROBENZENE	5	0.13
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.11
DICHLOROBENZENE, m	4.7	0.12
DICHLORBENZENE, p	4.7	0.20
DICHLOROBENZENE, o,m, & p	50	0.43
1,1 DICHLOROETHANE	5	0.18
1,2 DICHLOROETHANE	5	0.12
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.48
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.03
ETHYLBENZENE	50	0.05
METHYLENE CHLORIDE	5	0.24
TETRACHLOROETHENE	0.7	0.71
TOLUENE	5	0.07
1,1,1 TRICHLOROETHANE	5	0.14
TRICHLOROETHYLENE	5	0.13
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.12
XYLENE, m & p	5	0.03
XYLENE, o, m & p	50	0.15

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20908IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/8/92	TIME:	11:28 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	284.38
BENZENE	ND	6.89
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.09
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	5.66
DICHLOROBENZENE, m	4.7	1.41
DICHLORBENZENE, p	4.7	4.33
DICHLOROBENZENE, o,m, & p	50	11.40
1,1 DICHLOROETHANE	5	10.80
1,2 DICHLOROETHANE	5	1.03
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	58.10
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.11
METHYLENE CHLORIDE	5	8.13
TETRACHLOROETHENE	0.7	141.60
TOLUENE	5	0.22
1,1,1 TRICHLOROETHANE	5	4.68
TRICHLOROETHYLENE	5	10.60
VINYL CHLORIDE	2	7.81
XYLENE, o	5	3.92
XYLENE, m & p	5	0.06
XYLENE, o, m & p	50	3.98

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT

EPA METHODS 601 & 602

SAMPLE ID:	20910EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/10/92	TIME:	7:20 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	3.88
BENZENE	ND	0.76
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.21
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.10
DICHLOROBENZENE, m	4.7	0.10
DICHLORBENZENE, p	4.7	0.20
DICHLOROBENZENE, o,m, & p	50	0.40
1,1 DICHLOROETHANE	5	0.12
1,2 DICHLOROETHANE	5	0.09
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	1.21
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.06
METHYLENE CHLORIDE	5	0.10
TETRACHLOROETHENE	0.7	0.56
TOLUENE	5	0.05
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	0.14
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.14
XYLENE, m & p	5	0.03
XYLENE, o, m & p	50	0.17

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT

EPA METHODS 601 & 602

SAMPLE ID:	20010IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/10/92	TIME:	7:42 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	263.11
BENZENE	ND	7.87
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.01
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.66
DICHLOROBENZENE, m	4.7	0.32
DICHLORBENZENE, p	4.7	3.19
DICHLOROBENZENE, o,m, & p	50	4.17
1,1 DICHLOROETHANE	5	12.60
1,2 DICHLOROETHANE	5	0.88
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	60.60
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.18
METHYLENE CHLORIDE	5	8.61
TETRACHLOROETHENE	0.7	100.97
TOLUENE	5	0.26
1,1,1 TRICHLOROETHANE	5	4.60
TRICHLOROETHYLENE	5	10.05
VINYL CHLORIDE	2	8.74
XYLENE, o	5	4.17
XYLENE, m & p	5	0.09
XYLENE, o, m & p	50	4.26

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20014EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/14/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.28
BENZENE	ND	0.09
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.07
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.06
DICHLOROBENZENE, m	4.7	0.06
DICHLORBENZENE, p	4.7	0.13
DICHLOROBENZENE, o,m, & p	50	0.25
1,1 DICHLOROETHANE	5	0.09
1,2 DICHLOROETHANE	5	0.08
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.77
1,2 DICHLOROETHENE, trans	5	0.01
1,2 DICHLOROPROPANE	5	0.00
ETHYL BENZENE	50	0.01
METHYLENE CHLORIDE	5	0.20
TETRACHLOROETHENE	0.7	0.04
TOLUENE	5	0.06
1,1,1 TRICHLOROETHANE	5	0.06
TRICHLOROETHYLENE	5	0.14
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.07
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.08

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

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SAMPLE ID:	20314IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/14/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	248.53
BENZENE	ND	0.64
BROMODICHLOROMETHANE	50 ***	0.23
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.01
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	1.88
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	3.10
DICHLOROBENZENE, m	4.7	0.18
DICHLORBENZENE, p	4.7	2.42
DICHLOROBENZENE, o,m, & p	50	5.70
1,1 DICHLOROETHANE	5	11.80
1,2 DICHLOROETHANE	5	1.45
1,1 DICHLOROETHENE	0.07	0.80
1,2 DICHLOROETHENE, cis	50	49.80
1,2 DICHLOROETHENE, trans	5	0.41
1,2 DICHLOROPROPANE	5	1.04
ETHYLBENZENE	50	0.11
METHYLENE CHLORIDE	5	10.48
TETRACHLOROETHENE	0.7	128.81
TOLUENE	5	0.16
1,1,1 TRICHLOROETHANE	5	8.10
TRICHLOROETHYLENE	5	8.80
VINYL CHLORIDE	2	12.24
XYLENE, o	5	3.29
XYLENE, m & p	5	0.06
XYLENE, o, m & p	50	3.35

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20916EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/16/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.71
BENZENE	ND	0.12
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.01
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.08
DICHLOROBENZENE, m	4.7	0.07
DICHLORBENZENE, p	4.7	0.14
DICHLOROBENZENE, o,m, & p	50	0.29
1,1 DICHLOROETHANE	5	0.12
1,2 DICHLOROETHANE	5	0.11
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.98
1,2 DICHLOROETHENE, trans	5	0.01
1,2 DICHLOROPROPANE	5	0.01
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.26
TETRACHLOROETHENE	0.7	0.40
TOLUENE	5	0.09
1,1,1 TRICHLOROETHANE	5	0.02
TRICHLOROETHYLENE	5	0.09
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.13
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.15

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/86 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20916IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/16/92	TIME:	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	274.13
BENZENE	ND	0.61
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.09
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	2.11
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.71
DICHLOROBENZENE, m	4.7	0.14
DICHLORBENZENE, p	4.7	2.54
DICHLOROBENZENE, o,m, & p	60	3.39
1,1 DICHLOROETHANE	5	13.29
1,2 DICHLOROETHANE	5	1.46
1,1 DICHLOROETHENE	0.07	0.59
1,2 DICHLOROETHENE, cis	50	59.40
1,2 DICHLOROETHENE, trans	5	0.66
1,2 DICHLOROPROPANE	5	0.81
ETHYLBENZENE	50	0.10
METHYLENE CHLORIDE	5	11.16
TETRACHLOROETHENE	0.7	142.20
TOLUENE	5	0.23
1,1,1 TRICHLOROETHANE	5	9.98
TRICHLOROETHYLENE	5	11.58
VINYL CHLORIDE	2	12.58
XYLENE, o	5	3.83
XYLENE, m & p	5	0.05
XYLENE, o, m & p	50	3.88

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
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ORGANICS ANALYSIS REPORT
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SAMPLE ID	20918EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	9/18/92	TIME	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.12
BENZENE	ND	0.18
BROMODICHLOROMETHANE	50 ***	0.01
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.06
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.03
DICHLOROBENZENE, o	4.7	0.07
DICHLOROBENZENE, m	4.7	0.06
DICHLORBENZENE, p	4.7	0.12
DICHLOROBENZENE, o,m, & p	50	0.25
1,1 DICHLOROETHANE	5	0.07
1,2 DICHLOROETHANE	5	0.08
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.78
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.02
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.12
TETRACHLOROETHENE	0.7	0.03
TOLUENE	5	0.07
1,1,1 TRICHLOROETHANE	5	0.02
TRICHLOROETHYLENE	5	0.06
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.07
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.09

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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ORGANICS ANALYSIS REPORT
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SAMPLE ID	20918IA	SAMPLER	LK
LOCATION	INFLUENT-RAP	ANALYST	LK
DATE	9/18/92	TIME	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	224.35
BENZENE	[illegible]	6.88
BROMODICHLOROMETHANE	50 ***	0.09
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.14
CHLOROBENZENE	5	0.77
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	2.27
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.58
DICHLOROBENZENE, m	4.7	0.24
DICHLOROBENZENE, p	4.7	2.22
DICHLOROBENZENE, o,m, & p	50	3.04
1,1 DICHLOROETHANE	5	10.21
1,2 DICHLOROETHANE	5	1.14
1,1 DICHLOROETHENE	0.07	0.87
1,2 DICHLOROETHENE, cis	50	50.01
1,2 DICHLOROETHENE, trans	5	0.31
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.16
METHYLENE CHLORIDE	5	6.42
TETRACHLOROETHENE	0.7	117.97
TOLUENE	5	0.25
1,1,1 TRICHLOROETHANE	5	8.16
TRICHLOROETHYLENE	5	0.77
VINYL CHLORIDE	2	9.89
XYLENE, o	5	3.49
XYLENE, m & p	5	0.11
XYLENE, o, m & p	50	3.60

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE #:	20921EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/21/92	TIME:	10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.02
BENZENE	ND	0.04
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.05
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.04
DICHLOROBENZENE, m	4.7	0.04
DICHLORBENZENE, p	4.7	0.06
DICHLOROBENZENE, o,m, & p	50	0.14
1,1 DICHLOROETHANE	5	0.04
1,2 DICHLOROETHANE	5	0.04
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.31
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.02
METHYLENE CHLORIDE	5	0.07
TETRACHLOROETHENE	0.7	0.17
TOLUENE	5	0.05
1,1,1 TRICHLOROETHANE	5	0.02
TRICHLOROETHYLENE	5	0.05
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.03
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.04

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID	200211A	SAMPLER	LK
LOCATION	INFLUENT-RAP	ANALYST	LK
DATE	9/21/92	TIME	10:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	275.19
BENZENE	ND	7.68
BROMODICHLOROMETHANE	50 ***	0.45
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	1.26
CHLOROBENZENE	5	1.05
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	8.17
CHLOROFORM	100 ***	2.85
DICHLOROBENZENE, o	4.7	1.39
DICHLOROBENZENE, m	4.7	0.75
DICHLOROBENZENE, p	4.7	2.72
DICHLOROBENZENE, o,m, & p	50	4.86
1,1 DICHLOROETHANE	5	11.45
1,2 DICHLOROETHANE	5	7.01
1,1 DICHLOROETHENE	0.07	1.87
1,2 DICHLOROETHENE, cis	50	58.65
1,2 DICHLOROETHENE, trans	5	1.05
1,2 DICHLOROPROPANE	5	1.58
ETHYLBENZENE	50	0.91
METHYLENE CHLORIDE	5	8.71
TETRACHLOROETHENE	0.7	107.07
TOLUENE	5	1.07
1,1,1 TRICHLOROETHANE	5	4.48
TRICHLOROETHYLENE	5	11.77
VINYL CHLORIDE	2	11.94
XYLENE, o	5	4.52
XYLENE, m & p	5	0.70
XYLENE, o, m & p	50	5.22

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20923IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	10:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	242.00
BENZENE	ND	5.83
BROMODICHLOROMETHANE	50 ***	0.18
BROMOFORM	50 ***	0.04
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.72
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.84
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.64
DICHLOROBENZENE, m	4.7	0.17
DICHLORBENZENE, p	4.7	2.15
DICHLOROBENZENE, o,m, & p	50	2.98
1,1 DICHLOROETHANE	5	10.20
1,2 DICHLOROETHANE	5	1.25
1,1 DICHLOROETHENE	0.07	0.49
1,2 DICHLOROETHENE, cis	50	52.51
1,2 DICHLOROETHENE, trans	5	0.59
1,2 DICHLOROPROPANE	5	1.04
ETHYLBENZENE	50	0.04
METHYLENE CHLORIDE	5	8.29
TETRACHLOROETHENE	0.7	134.08
TOLUENE	5	0.12
1,1,1 TRICHLOROETHANE	5	2.26
TRICHLOROETHYLENE	5	10.19
VINYL CHLORIDE	2	8.56
XYLENE, o	5	3.51
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	3.53

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID	20923EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	9/23/92	TIME	10:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.19
BENZENE	ND	0.06
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.14
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.06
DICHLOROBENZENE, m	4.7	0.05
DICHLORBENZENE, p	4.7	0.10
DICHLOROBENZENE, o,m, & p	50	0.21
1,1 DICHLOROETHANE	5	0.18
1,2 DICHLOROETHANE	5	0.08
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	0.93
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.01
ETHYLBENZENE	50	0.00
METHYLENE CHLORIDE	5	0.11
TETRACHLOROETHENE	0.7	0.38
TOLUENE	5	0.01
1,1,1 TRICHLOROETHANE	5	0.01
TRICHLOROETHYLENE	5	0.07
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.00
XYLENE, o, m & p	50	0.05

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*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20923EP	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	3:38 PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	2.08
BENZENE	ND	0.06
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.08
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.08
DICHLOROBENZENE, m	4.7	0.05
DICHLORBENZENE, p	4.7	0.11
DICHLOROBENZENE, o,m, & p	50	0.24
1,1 DICHLOROETHANE	5	0.09
1,2 DICHLOROETHANE	5	0.08
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	0.88
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.13
TETRACHLOROETHENE	0.7	0.37
TOLUENE	5	0.01
1,1,1 TRICHLOROETHANE	5	0.01
TRICHLOROETHYLENE	5	0.06
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.06

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

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TOWN OF OYSTER BAY

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SAMPLE ID	20025EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	9/25/92	TIME	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	1.06
BENZENE	ND	0.05
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.06
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.02
DICHLOROBENZENE, m	4.7	0.03
DICHLORBENZENE, p	4.7	0.05
DICHLOROBENZENE, o,m, & p	50	0.10
1,1 DICHLOROETHANE	5	0.04
1,2 DICHLOROETHANE	5	0.05
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	0.35
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.01
ETHYLBENZENE	50	0.01
METHYLENE CHLORIDE	5	0.08
TETRACHLOROETHENE	0.7	0.16
TOLUENE	5	0.02
1,1,1 TRICHLOROETHANE	5	0.04
TRICHLOROETHYLENE	5	0.03
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.07
XYLENE, m & p	5	0.01
XYLENE, o, m & p	50	0.08

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE #:	20925IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/25/92	TIME:	8:10 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	220.59
BENZENE	ND	5.11
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.07
CARBON TETRACHLORIDE	5	0.06
CHLOROBENZENE	5	0.74
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	1.88
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.63
DICHLOROBENZENE, m	4.7	0.18
DICHLORBENZENE, p	4.7	2.08
DICHLOROBENZENE, o,m, & p	50	2.89
1,1 DICHLOROETHANE	5	10.42
1,2 DICHLOROETHANE	5	1.56
1,1 DICHLOROETHENE	0.07	0.34
1,2 DICHLOROETHENE, cis	50	45.88
1,2 DICHLOROETHENE, trans	5	0.29
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.12
METHYLENE CHLORIDE	5	6.88
TETRACHLOROETHENE	0.7	120.09
TOLUENE	5	0.19
1,1,1 TRICHLOROETHANE	5	2.75
TRICHLOROETHYLENE	5	8.28
VINYL CHLORIDE	2	9.56
XYLENE, o	5	3.12
XYLENE, m & p	5	0.07
XYLENE, o, m & p	50	3.19

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID	20030EA	SAMPLER	LK
LOCATION	EFFLUENT-RAP	ANALYST	LK
DATE	9/30/92	TIME	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	3.66
BENZENE	ND	0.13
BROMODICHLOROMETHANE	50 ***	0.01
BROMOFORM	50 ***	0.02
CARBON TETRACHLORIDE	5	0.01
CHLOROBENZENE	5	0.08
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.01
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.12
DICHLOROBENZENE, m	4.7	0.07
DICHLOROBENZENE, p	4.7	0.18
DICHLOROBENZENE, o,m, & p	50	0.37
1,1 DICHLOROETHANE	5	0.19
1,2 DICHLOROETHANE	5	0.15
1,1 DICHLOROETHENE	0.07	0.01
1,2 DICHLOROETHENE, cis	50	1.46
1,2 DICHLOROETHENE, trans	5	0.01
1,2 DICHLOROPROPANE	5	0.03
ETHYLBENZENE	50	0.08
METHYLENE CHLORIDE	5	0.22
TETRACHLOROETHENE	0.7	0.62
TOLUENE	5	0.04
1,1,1 TRICHLOROETHANE	5	0.04
TRICHLOROETHYLENE	5	0.12
VINYL CHLORIDE	2	0.01
XYLENE, o	5	0.10
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.12

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID	200301A	SAMPLER	LK
LOCATION	INFLUENT-RAP	ANALYST	LK
DATE	9/30/92	TIME	6:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	268.62
BENZENE	ND	6.21
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.06
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	2.66
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.52
DICHLOROBENZENE, m	4.7	0.14
DICHLORBENZENE, p	4.7	2.35
DICHLOROBENZENE, o,m, & p	50	3.01
1,1 DICHLOROETHANE	5	11.97
1,2 DICHLOROETHANE	5	1.50
1,1 DICHLOROETHENE	0.07	1.25
1,2 DICHLOROETHENE, cis	50	55.08
1,2 DICHLOROETHENE, trans	5	0.18
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.06
METHYLENE CHLORIDE	5	6.91
TETRACHLOROETHENE	0.7	147.40
TOLUENE	5	0.19
1,1,1 TRICHLOROETHANE	5	9.86
TRICHLOROETHYLENE	5	11.25
VINYL CHLORIDE	2	12.94
XYLENE, o	5	3.71
XYLENE, m & p	5	0.03
XYLENE, o, m & p	50	3.74

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20723W1	SAMPLER:	TC
LOCATION:	WELL 1	ANALYST:	TC/LK
DATE:	7/23/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	26.67
BENZENE	ND	2.81
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.32
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.48
DICHLOROBENZENE, m	4.7	0.45
DICHLORBENZENE, p	4.7	3.16
DICHLOROBENZENE, o,m, & p	50	5.09
1,1 DICHLOROETHANE	5	2.00
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	7.45
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.27
METHYLENE CHLORIDE	5	1.14
TETRACHLOROETHENE	0.7	1.71
TOLUENE	5	0.23
1,1,1 TRICHLOROETHANE	5	0.27
TRICHLOROETHYLENE	5	1.88
VINYL CHLORIDE	2	1.09
XYLENE, o	5	0.35
XYLENE, m & p	5	0.16
XYLENE, o, m & p	50	0.51

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20723W2	SAMPLER:	TC
LOCATION:	WELL 2	ANALYST:	TC/LK
DATE:	7/23/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	109.74
BENZENE	ND	6.70
BROMODICHLOROMETHANE	50 —	0.65
BROMOFORM	50 —	0.00
CARBON TETRACHLORIDE	5	4.18
CHLOROBENZENE	5	4.31
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	4.16
CHLOROFORM	100 —	3.09
DICHLOROBENZENE, o	4.7	2.88
DICHLOROBENZENE, m	4.7	2.11
DICHLORBENZENE, p	4.7	6.43
DICHLOROBENZENE, o,m, & p	50	11.42
1,1 DICHLOROETHANE	5	9.81
1,2 DICHLOROETHANE	5	1.97
1,1 DICHLOROETHENE	0.07	3.33
1,2 DICHLOROETHENE, cis	50	16.78
1,2 DICHLOROETHENE, trans	5	3.07
1,2 DICHLOROPROPANE	5	2.07
ETHYLBENZENE	50	2.99
METHYLENE CHLORIDE	5	3.92
TETRACHLOROETHENE	0.7	7.77
TOLUENE	5	3.19
1,1,1 TRICHLOROETHANE	5	6.70
TRICHLOROETHYLENE	5	6.77
VINYL CHLORIDE	2	8.99
XYLENE, o	5	2.69
XYLENE, m & p	5	2.63
XYLENE, o, m & p	50	5.32

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE #:	20723W3	SAMPLER:	TC
LOCATION:	WELL 3	ANALYST:	TC/LK
DATE:	7/23/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	703.49
BENZENE	ND	27.15
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	1.09
CHLOROBENZENE	5	2.96
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	5.41
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.95
DICHLOROBENZENE, m	4.7	0.95
DICHLORBENZENE, p	4.7	9.24
DICHLOROBENZENE, o,m, & p	50	12.14
1,1 DICHLOROETHANE	5	71.84
1,2 DICHLOROETHANE	5	2.22
1,1 DICHLOROETHENE	0.07	0.54
1,2 DICHLOROETHENE, cis	50	370.38
1,2 DICHLOROETHENE, trans	5	1.93
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	1.16
METHYLENE CHLORIDE	5	28.07
TETRACHLOROETHENE	0.7	65.02
TOLUENE	5	1.90
1,1,1 TRICHLOROETHANE	5	10.73
TRICHLOROETHYLENE	5	32.52
VINYL CHLORIDE	2	97.74
XYLENE, o	5	28.70
XYLENE, m & p	5	0.98
XYLENE, o, m & p	50	29.68

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20723W4	SAMPLER	TC
LOCATION	WELL 4	ANALYST	TC/LK
DATE	7/23/92	TIME	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	310.12
BENZENE	ND	0.96
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.51
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.65
DICHLOROBENZENE, o	4.7	0.66
DICHLOROBENZENE, m	4.7	0.66
DICHLORBENZENE, p	4.7	0.65
DICHLOROBENZENE, o,m, & p	50	1.97
1,1 DICHLOROETHANE	5	1.24
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	21.54
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.51
METHYLENE CHLORIDE	5	2.01
TETRACHLOROETHENE	0.7	273.21
TOLUENE	5	0.52
1,1,1 TRICHLOROETHANE	5	1.17
TRICHLOROETHYLENE	5	4.39
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.79
XYLENE, m & p	5	0.45
XYLENE, o, m & p	50	1.24

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

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*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID:	20723W5	SAMPLER:	TC
LOCATION:	WELL 5	ANALYST:	TC/LK
DATE:	7/23/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	473.43
BENZENE	ND	13.95
BROMODICHLOROMETHANE	50 —	0.00
BROMOFORM	50 —	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.41
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 —	0.00
DICHLOROBENZENE, o	4.7	0.63
DICHLOROBENZENE, m	4.7	0.54
DICHLORBENZENE, p	4.7	2.20
DICHLOROBENZENE, o,m, & p	50	3.37
1,1 DICHLOROETHANE	5	0.50
1,2 DICHLOROETHANE	5	1.38
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	26.48
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.89
METHYLENE CHLORIDE	5	2.38
TETRACHLOROETHENE	0.7	388.71
TOLUENE	5	0.45
1,1,1 TRICHLOROETHANE	5	4.47
TRICHLOROETHYLENE	5	28.77
VINYL CHLORIDE	2	0.00
XYLENE, o	5	2.97
XYLENE, m & p	5	0.22
XYLENE, o, m & p	50	3.19

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE #:	20730W1	SAMPLER:	TC
LOCATION:	WELL 1	ANALYST:	LK
DATE:	7/30/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	26.86
BENZENE	ND	4.24
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.48
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	2.00
DICHLOROBENZENE, m	4.7	0.65
DICHLORBENZENE, p	4.7	2.96
DICHLOROBENZENE, o,m, & p	50	5.61
1,1 DICHLOROETHANE	5	1.78
1,2 DICHLOROETHANE	5	0.71
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	7.02
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.44
METHYLENE CHLORIDE	5	1.40
TETRACHLOROETHENE	0.7	1.58
TOLUENE	5	0.39
1,1,1 TRICHLOROETHANE	5	0.00
TRICHLOROETHYLENE	5	1.43
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.43
XYLENE, m & p	5	0.28
XYLENE, o, m & p	50	0.71

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20730W2	SAMPLER:	TC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	7/30/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	126.66
BENZENE	ND	8.12
BROMODICHLOROMETHANE	50 —	1.05
BROMOFORM	50 —	0.00
CARBON TETRACHLORIDE	5	5.53
CHLOROBENZENE	5	4.97
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	4.97
CHLOROFORM	100 —	3.95
DICHLOROBENZENE, o	4.7	2.28
DICHLOROBENZENE, m	4.7	2.86
DICHLORBENZENE, p	4.7	5.77
DICHLOROBENZENE, o,m, & p	50	10.91
1,1 DICHLOROETHANE	5	8.88
1,2 DICHLOROETHANE	5	2.78
1,1 DICHLOROETHENE	0.07	3.75
1,2 DICHLOROETHENE, cis	50	16.62
1,2 DICHLOROETHENE, trans	5	3.71
1,2 DICHLOROPROPANE	5	2.88
ETHYLBENZENE	50	4.82
METHYLENE CHLORIDE	5	5.08
TETRACHLOROETHENE	0.7	8.26
TOLUENE	5	5.30
1,1,1 TRICHLOROETHANE	5	7.25
TRICHLOROETHYLENE	5	7.22
VINYL CHLORIDE	2	4.62
XYLENE, o	5	3.12
XYLENE, m & p	5	3.39
XYLENE, o, m & p	50	6.51

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID:	20730W3	SAMPLER:	TC
LOCATION:	WELL 3	ANALYST:	LK
DATE:	7/30/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	827.12
BENZENE	ND	25.83
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.75
CHLOROBENZENE	5	2.57
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	6.86
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.52
DICHLOROBENZENE, m	4.7	0.69
DICHLORBENZENE, p	4.7	7.08
DICHLOROBENZENE, o,m, & p	50	9.29
1,1 DICHLOROETHANE	5	64.26
1,2 DICHLOROETHANE	5	2.01
1,1 DICHLOROETHENE	0.07	0.95
1,2 DICHLOROETHENE, cis	50	348.14
1,2 DICHLOROETHENE, trans	5	1.39
1,2 DICHLOROPROPANE	5	1.38
ETHYLBENZENE	50	0.96
METHYLENE CHLORIDE	5	29.46
TETRACHLOROETHENE	0.7	40.77
TOLUENE	5	3.59
1,1,1 TRICHLOROETHANE	5	9.71
TRICHLOROETHYLENE	5	25.29
VINYL CHLORIDE	2	90.80
XYLENE, o	5	24.15
XYLENE, m & p	5	0.69
XYLENE, o, m & p	50	24.84

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20730W4	SAMPLER:	TC
LOCATION:	WELL 4	ANALYST:	LK
DATE:	7/30/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	228.92
BENZENE	ND	0.61
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.28
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.02
DICHLOROBENZENE, m	4.7	0.51
DICHLORBENZENE, p	4.7	0.26
DICHLOROBENZENE, o,m, & p	50	0.79
1,1 DICHLOROETHANE	5	0.51
1,2 DICHLOROETHANE	5	0.58
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	17.02
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.80
METHYLENE CHLORIDE	5	1.94
TETRACHLOROETHENE	0.7	200.18
TOLUENE	5	1.97
1,1,1 TRICHLOROETHANE	5	1.11
TRICHLOROETHYLENE	5	2.91
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.49
XYLENE, m & p	5	0.23
XYLENE, o, m & p	50	0.72

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20730W5	SAMPLER:	TC
LOCATION:	WELL 5	ANALYST:	LK
DATE:	7/30/92	TIME:	AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	396.83
BENZENE	ND	12.14
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.18
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.19
DICHLOROBENZENE, m	4.7	0.26
DICHLORBENZENE, p	4.7	1.56
DICHLOROBENZENE, o,m, & p	50	2.00
1,1 DICHLOROETHANE	5	0.39
1,2 DICHLOROETHANE	5	1.28
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	26.19
1,2 DICHLOROETHENE, trans	5	1.27
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.17
METHYLENE CHLORIDE	5	2.58
TETRACHLOROETHENE	0.7	319.15
TOLUENE	5	2.01
1,1,1 TRICHLOROETHANE	5	8.96
TRICHLOROETHYLENE	5	23.10
VINYL CHLORIDE	2	0.00
XYLENE, o	5	2.30
XYLENE, m & p	5	0.11
XYLENE, o, m & p	50	2.41

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
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SAMPLE #	20806W1	SAMPLER	TC
LOCATION	WELL 1	ANALYST	LK
DATE	8/6/92	TIME	10-10:30 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	18.79
BENZENE	ND	1.79
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.96
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.57
DICHLOROBENZENE, m	4.7	0.50
DICHLORBENZENE, p	4.7	2.05
DICHLOROBENZENE, o,m, & p	50	3.12
1,1 DICHLOROETHANE	5	1.50
1,2 DICHLOROETHANE	5	0.63
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	5.09
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.25
METHYLENE CHLORIDE	5	2.06
TETRACHLOROETHENE	0.7	1.23
TOLUENE	5	0.20
1,1,1 TRICHLOROETHANE	5	0.60
TRICHLOROETHYLENE	5	1.03
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.27
XYLENE, m & p	5	0.17
XYLENE, o, m & p	50	0.44

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

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SAMPLE ID:	20806W2	SAMPLER:	TC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	8/6/92	TIME:	10-10:30 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	28.39
BENZENE	ND	3.43
BROMODICHLOROMETHANE	50 —	0.00
BROMOFORM	50 —	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.49
CHLORODIBROMOMETHANE	50 —	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 —	0.00
DICHLOROBENZENE, o	4.7	1.03
DICHLOROBENZENE, m	4.7	0.39
DICHLORBENZENE, p	4.7	3.00
DICHLOROBENZENE, o,m, & p	50	4.42
1,1 DICHLOROETHANE	5	3.78
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	8.71
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.15
METHYLENE CHLORIDE	5	2.14
TETRACHLOROETHENE	0.7	1.33
TOLUENE	5	0.15
1,1,1 TRICHLOROETHANE	5	0.77
TRICHLOROETHYLENE	5	1.41
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.53
XYLENE, m & p	5	0.08
XYLENE, o, m & p	50	0.61

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TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

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SAMPLE ID:	20806W3	SAMPLER:	TC
LOCATION:	WELL 9	ANALYST:	LK
DATE:	8/6/92	TIME:	10-10:30 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	604.98
BENZENE	ND	19.29
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.59
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	5.98
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.61
DICHLOROBENZENE, m	4.7	0.25
DICHLORBENZENE, p	4.7	5.09
DICHLOROBENZENE, o,m, & p	50	5.95
1,1 DICHLOROETHANE	5	52.56
1,2 DICHLOROETHANE	5	1.55
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	283.04
1,2 DICHLOROETHENE, trans	5	0.77
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.28
METHYLENE CHLORIDE	5	21.69
TETRACHLOROETHENE	0.7	32.69
TOLUENE	5	0.71
1,1,1 TRICHLOROETHANE	5	6.96
TRICHLOROETHYLENE	5	18.11
VINYL CHLORIDE	2	65.82
XYLENE, o	5	18.08
XYLENE, m & p	5	0.16
XYLENE, o, m & p	50	18.24

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

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TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID	20806W4	SAMPLER	TC
LOCATION	WELL 4	ANALYST	LK
DATE	8/6/92	TIME	10-10:30 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	173.68
BENZENE	ND	0.47
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.15
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.05
DICHLOROBENZENE, m	4.7	0.21
DICHLORBENZENE, p	4.7	0.23
DICHLOROBENZENE, o,m, & p	50	0.49
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	0.52
1,1 DICHLOROETHENE	0.07	0.00
1,2 CICHLOROETHENE, cis	50	13.69
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.18
METHYLENE CHLORIDE	5	1.48
TETRACHLOROETHENE	0.7	150.61
TOLUENE	5	0.17
1,1,1 TRICHLOROETHANE	5	0.44
TRICHLOROETHYLENE	5	2.29
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.05
XYLENE, m & p	5	0.09
XYLENE, o, m & p	50	0.14

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.
TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

***

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT

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SAMPLE #:	20806W5	SAMPLER:	TC
LOCATION:	WELL 5	ANALYST:	LK
DATE:	8/6/92	TIME:	10-10:30 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	304.83
BENZENE	ND	9.50
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.10
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.56
DICHLOROBENZENE, m	4.7	0.15
DICHLORBENZENE, p	4.7	1.19
DICHLOROBENZENE, o,m, & p	50	1.90
1,1 DICHLOROETHANE	5	0.00
1,2 DICHLOROETHANE	5	1.10
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	18.09
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.08
METHYLENE CHLORIDE	5	2.48
TETRACHLOROETHENE	0.7	248.75
TOLUENE	5	0.16
1,1,1 TRICHLOROETHANE	5	8.28
TRICHLOROETHYLENE	5	17.61
VINYL CHLORIDE	2	0.00
XYLENE, o	5	1.78
XYLENE, m & p	5	0.05
XYLENE, o, m & p	50	1.83

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20821W1	SAMPLER:	BILL
LOCATION:	WELL 1	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	19.03
BENZENE	ND	1.56
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.98
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.41
DICHLOROBENZENE, o	4.7	0.08
DICHLOROBENZENE, m	4.7	0.58
DICHLORBENZENE, p	4.7	1.78
DICHLOROBENZENE, o,m, & p	50	2.44
1,1 DICHLOROETHANE	5	1.48
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	4.23
1,2 DICHLOROETHENE, trans	5	1.05
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.80
METHYLENE CHLORIDE	5	2.30
TETRACHLOROETHENE	0.7	1.30
TOLUENE	5	0.35
1,1,1 TRICHLOROETHANE	5	0.93
TRICHLOROETHYLENE	5	0.94
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.54
XYLENE, m & p	5	0.22
XYLENE, o, m & p	50	0.76

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
EPA METHODS 601 & 602

SAMPLE ID:	20821W3	SAMPLER:	BILL
LOCATION:	WELL 3	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	622.26
BENZENE	ND	21.20
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.75
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	6.16
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.25
DICHLOROBENZENE, m	4.7	0.53
DICHLORBENZENE, p	4.7	5.47
DICHLOROBENZENE, o,m, & p	50	7.25
1,1 DICHLOROETHANE	5	58.27
1,2 DICHLOROETHANE	5	1.63
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	264.07
1,2 DICHLOROETHENE, trans	5	1.03
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.62
METHYLENE CHLORIDE	5	23.03
TETRACHLOROETHENE	0.7	30.55
TOLUENE	5	0.91
1,1,1 TRICHLOROETHANE	5	7.20
TRICHLOROETHYLENE	5	22.19
VINYL CHLORIDE	2	65.04
XYLENE, o	5	17.96
XYLENE, m & p	5	0.29
XYLENE, o, m & p	50	18.25

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*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20821W4	SAMPLER:	BILL
LOCATION:	WELL 4	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	218.38
BENZENE	ND	1.10
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.61
CHLOROBENZENE	5	0.40
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	6.26
CHLOROFORM	100 ***	1.16
DICHLOROBENZENE, o	4.7	4.17
DICHLOROBENZENE, m	4.7	0.60
DICHLORBENZENE, p	4.7	0.77
DICHLOROBENZENE, o,m, & p	50	5.54
1,1 DICHLOROETHANE	5	0.87
1,2 DICHLOROETHANE	5	0.74
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	15.83
1,2 DICHLOROETHENE, trans	5	0.42
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.60
METHYLENE CHLORIDE	5	2.82
TETRACHLOROETHENE	0.7	174.47
TOLUENE	5	0.63
1,1,1 TRICHLOROETHANE	5	3.30
TRICHLOROETHYLENE	5	3.33
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.76
XYLENE, m & p	5	0.46
XYLENE, o, m & p	50	1.22

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20821W5	SAMPLER:	BILL
LOCATION:	WELL 5	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	398.52
BENZENE	ND	18.02
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.22
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	1.03
DICHLOROBENZENE, o	4.7	0.69
DICHLOROBENZENE, m	4.7	0.32
DICHLOROBENZENE, p	4.7	1.44
DICHLOROBENZENE, o,m, & p	50	2.45
1,1 DICHLOROETHANE	5	0.50
1,2 DICHLOROETHANE	5	1.56
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	19.06
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.58
METHYLENE CHLORIDE	5	0.00
TETRACHLOROETHENE	0.7	304.13
TOLUENE	5	0.40
1,1,1 TRICHLOROETHANE	5	4.40
TRICHLOROETHYLENE	5	24.82
VINYL CHLORIDE	2	0.00
XYLENE, o	5	21.02
XYLENE, m & p	5	0.26
XYLENE, o, m & p	50	21.28

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20910W1	SAMPLER:	BILL & TC
LOCATION:	WELL 1	ANALYST:	LK
DATE:	9/10/92	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	21.88
BENZENE	ND	2.20
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.00
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.34
DICHLOROBENZENE, o	4.7	2.05
DICHLOROBENZENE, m	4.7	0.60
DICHLORBENZENE, p	4.7	2.06
DICHLOROBENZENE, o,m, & p	50	4.80
1,1 DICHLOROETHANE	5	1.57
1,2 DICHLOROETHANE	5	0.64
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	4.64
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.12
METHYLENE CHLORIDE	5	2.98
TETRACHLOROETHENE	0.7	0.94
TOLUENE	5	0.17
1,1,1 TRICHLOROETHANE	5	1.87
TRICHLOROETHYLENE	5	0.96
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.28
XYLENE, m & p	5	0.06
XYLENE, o, m & p	50	0.36

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20010W2	SAMPLER:	BILL & TC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	9/10/92	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	39.32
BENZENE	ND	2.98
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.41
CHLOROBENZENE	5	1.78
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	1.06
DICHLOROBENZENE, o	4.7	1.29
DICHLOROBENZENE, m	4.7	0.88
DICHLORBENZENE, p	4.7	3.06
DICHLOROBENZENE, o,m, & p	50	5.21
1,1 DICHLOROETHANE	5	4.70
1,2 DICHLOROETHANE	5	0.86
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	3.31
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.54
ETHYLBENZENE	50	0.69
METHYLENE CHLORIDE	5	4.34
TETRACHLOROETHENE	0.7	1.83
TOLUENE	5	0.69
1,1,1 TRICHLOROETHANE	5	2.41
TRICHLOROETHYLENE	5	2.13
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.77
XYLENE, m & p	5	0.49
XYLENE, o, m & p	50	1.26

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID:	20010W3	SAMPLER:	BILL & TC
LOCATION:	WELL 3	ANALYST:	LK
DATE:	9/10/92	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	483.87
BENZENE	ND	17.06
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	2.02
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	5.12
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.21
DICHLOROBENZENE, m	4.7	1.46
DICHLORBENZENE, p	4.7	5.24
DICHLOROBENZENE, o,m, & p	50	7.91
1,1 DICHLOROETHANE	5	52.60
1,2 DICHLOROETHANE	5	1.75
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	234.77
1,2 DICHLOROETHENE, trans	5	2.19
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.50
METHYLENE CHLORIDE	5	27.19
TETRACHLOROETHENE	0.7	20.51
TOLUENE	5	0.78
1,1,1 TRICHLOROETHANE	5	9.08
TRICHLOROETHYLENE	5	17.20
VINYL CHLORIDE	2	41.26
XYLENE, o	5	15.47
XYLENE, m & p	5	0.25
XYLENE, o, m & p	50	15.72

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

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SAMPLE ID	20010W4	SAMPLER	BILL & TC
LOCATION	WELL 4	ANALYST	LK
DATE	9/10/92	TIME	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	183.10
BENZENE	ND	1.08
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.10
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.42
DICHLOROBENZENE, m	4.7	0.19
DICHLOROBENZENE, p	4.7	0.34
DICHLOROBENZENE, o,m, & p	50	0.95
1,1 DICHLOROETHANE	5	0.40
1,2 DICHLOROETHANE	5	0.00
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	13.03
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.17
METHYLENE CHLORIDE	5	3.05
TETRACHLOROETHENE	0.7	160.76
TOLUENE	5	0.15
1,1,1 TRICHLOROETHANE	5	0.64
TRICHLOROETHYLENE	5	2.33
VINYL CHLORIDE	2	0.00
XYLENE, o	5	0.41
XYLENE, m & p	5	0.07
XYLENE, o, m & p	50	0.48

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID	20910W5	SAMPLER	BILL & TC
LOCATION	WELL 5	ANALYST	LK
DATE	9/10/92	TIME	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	359.40
BENZENE	ND	12.39
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.28
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.00
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.45
DICHLOROBENZENE, m	4.7	0.53
DICHLOROBENZENE, p	4.7	1.51
DICHLOROBENZENE, o,m, & p	50	2.49
1,1 DICHLOROETHANE	5	0.40
1,2 DICHLOROETHANE	5	1.34
1,1 DICHLOROETHENE	0.07	0.00
1,2 DICHLOROETHENE, cis	50	20.19
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.31
METHYLENE CHLORIDE	5	5.09
TETRACHLOROETHENE	0.7	283.86
TOLUENE	5	0.32
1,1,1 TRICHLOROETHANE	5	5.47
TRICHLOROETHYLENE	5	25.03
VINYL CHLORIDE	2	0.00
XYLENE, o	5	1.98
XYLENE, m & p	5	0.15
XYLENE, o, m & p	50	2.13

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

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SAMPLE ID:	20017W1	SAMPLER:	BB & TC
LOCATION:	WELL 1	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	34.87
BENZENE	[illegible]	2.21
BROMODICHLOROMETHANE	50 ***	0.21
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.09
CHLOROBENZENE	5	1.26
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	1.48
CHLOROFORM	100 ***	0.61
DICHLOROBENZENE, o	4.7	1.17
DICHLOROBENZENE, m	4.7	0.47
DICHLORBENZENE, p	4.7	2.51
DICHLOROBENZENE, o,m, & p	50	4.15
1,1 DICHLOROETHANE	5	2.50
1,2 DICHLOROETHANE	5	1.06
1,1 DICHLOROETHENE	0.07	0.44
1,2 DICHLOROETHENE, cis	50	4.48
1,2 DICHLOROETHENE, trans	5	0.36
1,2 DICHLOROPROPANE	5	0.54
ETHYLBENZENE	50	0.27
METHYLENE CHLORIDE	5	5.19
TETRACHLOROETHENE	0.7	0.93
TOLUENE	5	0.21
1,1,1 TRICHLOROETHANE	5	0.87
TRICHLOROETHYLENE	5	1.25
VINYL CHLORIDE	2	6.60
XYLENE, o	5	0.32
XYLENE, m & p	5	0.15
XYLENE, o, m & p	50	0.47

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20917W2	SAMPLER:	BB & TC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	65.59
BENZENE	ND	3.42
BROMODICHLOROMETHANE	50 ***	0.47
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	1.18
CHLOROBENZENE	5	2.09
CHLORODIBROMOMETHANE	50 ***	0.35
CHLOROETHANE	5	2.84
CHLOROFORM	100 ***	1.77
DICHLOROBENZENE, o	4.7	2.02
DICHLOROBENZENE, m	4.7	0.93
DICHLORBENZENE, p	4.7	4.22
DICHLOROBENZENE, o,m, & p	50	7.17
1,1 DICHLOROETHANE	5	6.33
1,2 DICHLOROETHANE	5	2.11
1,1 DICHLOROETHENE	0.07	2.04
1,2 DICHLOROETHENE, cis	50	8.70
1,2 DICHLOROETHENE, trans	5	2.01
1,2 DICHLOROPROPANE	5	1.22
ETHYLBENZENE	50	0.86
METHYLENE CHLORIDE	5	8.81
TETRACHLOROETHENE	0.7	2.65
TOLUENE	5	0.93
1,1,1 TRICHLOROETHANE	5	2.52
TRICHLOROETHYLENE	5	2.83
VINYL CHLORIDE	2	5.76
XYLENE, o	5	1.02
XYLENE, m & p	5	0.62
XYLENE, o, m & p	50	1.84

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
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SAMPLE #:	2U017W3	SAMPLER:	BB & TC
LOCATION:	WELL 3	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	533.65
BENZENE	ND	18.48
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.31
CHLOROBENZENE	5	1.78
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	9.19
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.12
DICHLOROBENZENE, m	4.7	0.28
DICHLORBENZENE, p	4.7	5.96
DICHLOROBENZENE, o,m, & p	50	7.34
1,1 DICHLOROETHANE	5	63.85
1,2 DICHLOROETHANE	5	7.82
1,1 DICHLOROETHENE	0.07	2.90
1,2 DICHLOROETHENE, cis	50	231.15
1,2 DICHLOROETHENE, trans	5	2.62
1,2 DICHLOROPROPANE	5	1.51
ETHYLBENZENE	50	0.21
METHYLENE CHLORIDE	5	38.36
TETRACHLOROETHENE	0.7	44.87
TOLUENE	5	0.62
1,1,1 TRICHLOROETHANE	5	8.58
TRICHLOROETHYLENE	5	23.45
VINYL CHLORIDE	2	59.86
XYLENE, o	5	17.70
XYLENE, m & p	5	0.13
XYLENE, o, m & p	50	17.83

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

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SAMPLE ID	20017W4	SAMPLER	BB & TC
LOCATION	WELL 4	ANALYST	
DATE	9/17/92	TIME	

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	246.12
BENZENE	ND	0.38
BROMODICHLOROMETHANE	50 ***	0.10
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.06
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.25
CHLOROFORM	100 ***	1.11
DICHLOROBENZENE, o	4.7	0.25
DICHLOROBENZENE, m	4.7	0.08
DICHLOROBENZENE, p	4.7	0.08
DICHLOROBENZENE, o,m, & p	50	0.41
1,1 DICHLOROETHANE	5	0.65
1,2 DICHLOROETHANE	5	0.55
1,1 DICHLOROETHENE	0.07	0.46
1,2 DICHLOROETHENE, cis	50	12.37
1,2 DICHLOROETHENE, trans	5	0.12
1,2 DICHLOROPROPANE	5	0.40
ETHYLBENZENE	50	0.04
METHYLENE CHLORIDE	5	5.31
TETRACHLOROETHENE	0.7	215.01
TOLUENE	5	0.09
1,1,1 TRICHLOROETHANE	5	0.81
TRICHLOROETHYLENE	5	3.02
VINYL CHLORIDE	2	3.99
XYLENE, o	5	0.55
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	0.57

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*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
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SAMPLE ID:	20917WS	SAMPLER:	BB & TC
LOCATION:	WELL 5	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	504.84
BENZENE	ND	11.80
BROMODICHLOROMETHANE	50 ***	0.27
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.09
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.18
CHLOROFORM	100 ***	1.00
DICHLOROBENZENE, o	4.7	0.43
DICHLOROBENZENE, m	4.7	0.08
DICHLOROBENZENE, p	4.7	1.66
DICHLOROBENZENE, o,m, & p	50	2.08
1,1 DICHLOROETHANE	5	0.70
1,2 DICHLOROETHANE	5	2.17
1,1 DICHLOROETHENE	0.07	1.25
1,2 DICHLOROETHENE, cis	50	20.88
1,2 DICHLOROETHENE, trans	5	0.18
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.06
METHYLENE CHLORIDE	5	6.80
TETRACHLOROETHENE	0.7	409.46
TOLUENE	5	0.10
1,1,1 TRICHLOROETHANE	5	5.58
TRICHLOROETHYLENE	5	38.34
VINYL CHLORIDE	2	1.81
XYLENE, o	5	2.26
XYLENE, m & p	5	0.08
XYLENE, o, m & p	50	2.29

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** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20924W1	SAMPLER:	BB & TC
LOCATION:	WELL 1	ANALYST:	LK
DATE:	9/24/92	TIME:	8:25-9:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	28.74
BENZENE	ND	2.27
BROMODICHLOROMETHANE	50 ***	0.16
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.07
CHLOROBENZENE	5	1.01
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	1.08
CHLOROFORM	100 ***	0.86
DICHLOROBENZENE, o	4.7	0.97
DICHLOROBENZENE, m	4.7	0.38
DICHLORBENZENE, p	4.7	2.31
DICHLOROBENZENE, o,m, & p	50	3.66
1,1 DICHLOROETHANE	5	2.29
1,2 DICHLOROETHANE	5	0.89
1,1 DICHLOROETHENE	0.07	0.48
1,2 DICHLOROETHENE, cis	50	5.22
1,2 DICHLOROETHENE, trans	5	0.14
1,2 DICHLOROPROPANE	5	0.44
ETHYLBENZENE	50	0.18
METHYLENE CHLORIDE	5	3.07
TETRACHLOROETHENE	0.7	1.19
TOLUENE	5	0.18
1,1,1 TRICHLOROETHANE	5	0.40
TRICHLOROETHYLENE	5	1.16
VINYL CHLORIDE	2	3.74
XYLENE, o	5	0.26
XYLENE, m & p	5	0.11
XYLENE, o, m & p	50	0.37

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

ORGANICS ANALYSIS REPORT
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SAMPLE ID:	20924W2	SAMPLER:	BB & TC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	9/24/92	TIME:	8:25-9:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	51.93
BENZENE	ND	3.09
BROMODICHLOROMETHANE	50 ***	0.40
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.80
CHLOROBENZENE	5	1.30
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	2.98
CHLOROFORM	100 ***	1.33
DICHLOROBENZENE, o	4.7	1.49
DICHLOROBENZENE, m	4.7	0.72
DICHLORBENZENE, p	4.7	3.81
DICHLOROBENZENE, o,m, & p	50	6.02
1,1 DICHLOROETHANE	5	5.13
1,2 DICHLOROETHANE	5	1.53
1,1 DICHLOROETHENE	0.07	1.14
1,2 DICHLOROETHENE, cis	50	9.43
1,2 DICHLOROETHENE, trans	5	0.65
1,2 DICHLOROPROPANE	5	0.93
ETHYLBENZENE	50	0.57
METHYLENE CHLORIDE	5	3.53
TETRACHLOROETHENE	0.7	2.22
TOLUENE	5	0.64
1,1,1 TRICHLOROETHANE	5	2.10
TRICHLOROETHYLENE	5	2.48
VINYL CHLORIDE	2	3.96
XYLENE, o	5	0.83
XYLENE, m & p	5	0.42
XYLENE, o, m & p	50	1.25

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20324W3	SAMPLER:	BB & TC
LOCATION:	WELL 3	ANALYST:	LK
DATE:	9/24/92	TIME:	8:25-9:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	533.17
BENZENE	ND	19.87
BROMODICHLOROMETHANE	50 ***	0.62
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	1.76
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	7.14
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	1.35
DICHLOROBENZENE, m	4.7	0.85
DICHLOROBENZENE, p	4.7	5.91
DICHLOROBENZENE, o,m, & p	50	8.11
1,1 DICHLOROETHANE	5	55.71
1,2 DICHLOROETHANE	5	2.51
1,1 DICHLOROETHENE	0.07	1.58
1,2 DICHLOROETHENE, cis	50	264.85
1,2 DICHLOROETHENE, trans	5	1.02
1,2 DICHLOROPROPANE	5	2.44
ETHYLBENZENE	50	0.25
METHYLENE CHLORIDE	5	23.58
TETRACHLOROETHENE	0.7	41.76
TOLUENE	5	0.65
1,1,1 TRICHLOROETHANE	5	9.24
TRICHLOROETHYLENE	5	22.33
VINYL CHLORIDE	2	50.87
XYLENE, o	5	19.12
XYLENE, m & p	5	0.16
XYLENE, o, m & p	50	19.28

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20924W4	SAMPLER:	BB & TC
LOCATION:	WELL 4	ANALYST:	LK
DATE:	9/24/92	TIME:	8:25-9:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	238.74
BENZENE	ND	0.72
BROMODICHLOROMETHANE	50 ***	0.11
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.11
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.28
CHLOROFORM	100 ***	1.16
DICHLOROBENZENE, o	4.7	0.31
DICHLOROBENZENE, m	4.7	0.16
DICHLOROBENZENE, p	4.7	0.19
DICHLOROBENZENE, o,m, & p	50	0.66
1,1 DICHLOROETHANE	5	0.62
1,2 DICHLOROETHANE	5	1.26
1,1 DICHLOROETHENE	0.07	0.12
1,2 DICHLOROETHENE, cis	50	12.31
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.50
ETHYLBENZENE	50	0.06
METHYLENE CHLORIDE	5	5.78
TETRACHLOROETHENE	0.7	209.64
TOLUENE	5	0.11
1,1,1 TRICHLOROETHANE	5	0.78
TRICHLOROETHYLENE	5	2.38
VINYL CHLORIDE	2	1.60
XYLENE, o	5	0.64
XYLENE, m & p	5	0.04
XYLENE, o, m & p	50	0.68

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20924W5	SAMPLER:	BB & TC
LOCATION:	WELL 5	ANALYST:	LK
DATE:	9/24/92	TIME:	8:25-9:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	493.84
BENZENE	ND	10.81
BROMODICHLOROMETHANE	50 ***	0.00
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.10
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	0.06
CHLOROFORM	100 ***	1.72
DICHLOROBENZENE, o	4.7	0.29
DICHLOROBENZENE, m	4.7	0.10
DICHLORBENZENE, p	4.7	1.20
DICHLOROBENZENE, o,m, & p	50	1.59
1,1 DICHLOROETHANE	5	0.61
1,2 DICHLOROETHANE	5	2.56
1,1 DICHLOROETHENE	0.07	1.00
1,2 CICHLOROETHENE, cis	50	21.35
1,2 DICHLOROETHENE, trans	5	0.00
1,2 DICHLOROPROPANE	5	0.00
ETHYLBENZENE	50	0.06
METHYLENE CHLORIDE	5	8.92
TETRACHLOROETHENE	0.7	406.94
TOLUENE	5	0.11
1,1,1 TRICHLOROETHANE	5	6.88
TRICHLOROETHYLENE	5	29.79
VINYL CHLORIDE	2	2.08
XYLENE, o	5	2.28
XYLENE, m & p	5	0.03
XYLENE, o, m & p	50	2.31

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

TOWN OF OYSTER BAY

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SAMPLE ID:	20923IP	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	3:40 PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (ug/l)	MEASURED CONCENTRATION** (ug/l)
TOTAL VOCs	100	246.05
BENZENE	ND	5.90
BROMODICHLOROMETHANE	50 ***	0.09
BROMOFORM	50 ***	0.00
CARBON TETRACHLORIDE	5	0.00
CHLOROBENZENE	5	0.75
CHLORODIBROMOMETHANE	50 ***	0.00
CHLOROETHANE	5	2.14
CHLOROFORM	100 ***	0.00
DICHLOROBENZENE, o	4.7	0.60
DICHLOROBENZENE, m	4.7	0.14
DICHLORBENZENE, p	4.7	2.09
DICHLOROBENZENE, o,m, & p	50	2.83
1,1 DICHLOROETHANE	5	10.20
1,2 DICHLOROETHANE	5	1.26
1,1 DICHLOROETHENE	0.07	0.79
1,2 DICHLOROETHENE, cis	50	53.86
1,2 DICHLOROETHENE, trans	5	0.27
1,2 DICHLOROPROPANE	5	0.65
ETHYLBENZENE	50	0.05
METHYLENE CHLORIDE	5	6.41
TETRACHLOROETHENE	0.7	133.19
TOLUENE	5	0.13
1,1,1 TRICHLOROETHANE	5	2.38
TRICHLOROETHYLENE	5	10.58
VINYL CHLORIDE	2	11.25
XYLENE, o	5	3.50
XYLENE, m & p	5	0.02
XYLENE, o, m & p	50	3.52

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** HIGHLIGHTED COMPOUNDS ARE IN EXCESS OF ALLOWABLE EFFLUENT CONCENTRATIONS.

*** TOTAL CONCENTRATION OF THESE FOUR TRIHALOMETHANES SHALL NOT EXCEED 100 ug/l.

APPENDIX D

SELF-MONITORING INORGANIC ANALYSIS

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20407 - EFF	SAMPLER:	T. Conzo
LOCATION:	RAP - EFF	ANALYST:	T. Conzo
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	6.972
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20701-INF	SAMPLER:	T. CONZO
LOCATION:	RAP-INF	ANALYST:	T. CONZO
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	5.021
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID	[illegible]	SAMPLER	LK
SOURCE	EFFLUENT RAP	ANALYST	LK
DATE	7/03/90	TIME	8:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* **	MEASURED CONCENTRATION**
pH (units)	[illegible]	[illegible]
ORP (mV)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	[illegible]
AMMONIA	2	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY NYSDEC LETTER TO THE TOWN

[illegible] ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

[illegible]

TOWN OF OYSTER BAY

OLD BETHPAGE LANDFILL

GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]: [illegible]	[illegible]: [illegible]
LOCATION: INFLUENT TAP	[illegible]: [illegible]
DATE: 7/03/90	TIME: 8:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)*	MEASURED CONCENTRATION (mg/l)**
pH (units)	[illegible]	[illegible]
VOC (ug/l)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	[illegible]	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	[illegible]
AMMONIA	[illegible]	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY NYSDEC LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND DO.

[illegible]

TOWN OF OYSTER BAY

[illegible]

GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]	[illegible]
[illegible] EFFLUENT	[illegible]
[illegible]	TIME: 7:50 AM

PARAMETER	ALLOWABLE EFFLUENT CONCENTRATION*	MEASURED CONCENTRATION**
[illegible]	[illegible]	[illegible]
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	[illegible]	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	[illegible]
AMMONIA	[illegible]	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** [illegible]

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE NO.:	[illegible]	SAMPLED BY:	L.R.
LOCATION:	INFLUENT TAP	ANALYST:	L.R.
DATE:	[illegible]	TIME:	[illegible] AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	[illegible]	[illegible]
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	[illegible]
AMMONIA	[illegible]	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** [illegible]

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]:	[illegible]	[illegible]:	LK
LOCATION:	EFFLUENT (RAP)	ANALYST:	LK
DATE:	7/13/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	5.5-8.5	7.2
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** [illegible]

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

[illegible] REPORT

SAMPLED BY: [illegible]		[illegible]:	[illegible]
LOCATION: [illegible]FLUENT TAP		ANALYST:	[illegible]
DATE: [illegible]/01/02		TIME:	7:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	[illegible]
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/98 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** [illegible]

TOWN OF OYSTER BAY

[illegible]

[illegible] FACILITY

[illegible]

SAMPLE [illegible]	SAMPLED BY: [illegible]
LOCATION: EFFLUENT [illegible]	ANALYST: [illegible]
DATE: [illegible]	TIME: [illegible]

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)	MEASURED CONCENTRATION (mg/l)
[illegible]	[illegible]	
pH (units)	NO REQUIREMENT	[illegible]
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	NOT PERFORMED

REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT ORDER AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND [illegible]

[illegible]

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

[illegible] ANALYSIS REPORT

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

SUBSTANCE	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)	MEASURED CONCENTRATION (mg/l)
[illegible]	[illegible]	[illegible]
[illegible]	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.6	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	[illegible]
[illegible]	[illegible]	NOT PERFORMED

* ALLOWABLE EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT [illegible]

*** [illegible]

TOWN OF OYSTER BAY

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible] TOTAL	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

TOWN OF OYSTER BAY

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible] Total	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20821EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	8/21/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.9
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	10.7
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20821IA	SAMPLER:	LK
LOCATION:	IFLUENT-RAP	ANALYST:	LK
DATE:	8/21/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.3
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	3.8
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20824EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	8/24/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE #:	9208241A	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	8/24/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mV)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20826EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	8/26/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20826IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	8/26/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20908EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/8/92	TIME:	11:25 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.8
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	9.8
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20908IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/8/92	TIME:	11:28 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	3.3
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20910EA	SAMPLER:	LK
LOCATION:	EFFLULENT-RAP	ANALYST:	LK
DATE:	9/10/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.9
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20910IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/10/92	TIME:	7:42 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20914EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/14/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE NO:	209141A	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/14/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20916EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/16/92	TIME:	7:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.8
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFOMED
DISSOLVED OXYGEN	>=5.0	9.6
AMMONIA	10	NOT PERFOMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20916IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/16/92	TIME:	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	9.1
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20918EA	SAMPLER:	BB & IC
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/18/92	TIME:	7:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20918IA	SAMPLER:	BB & IC
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/18/92	TIME:	7:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20921EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/21/92	TIME:	10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20921IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/21/92	TIME:	10:45 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.8
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20923EA	SAMPLER:	LK
LOCATION::	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	10:40 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.5
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20923IA	SAMPLER:	LK
LOCATION::	INFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	10:50 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20923EP	SAMPLER:	LK
LOCATION::	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	3:38 PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.5
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20923IP	SAMPLER:	LK
LOCATION::	INFLUENT-RAP	ANALYST:	LK
DATE:	9/23/92	TIME:	3:40 PM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20925EA	SAMPLER:	LK
LOCATION::	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/25/92	TIME:	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	10.1
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY
DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20925IA	SAMPLER:	LK
LOCATION::	INFLUENT-RAP	ANALYST:	LK
DATE:	9/25/92	TIME:	8:10 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.5
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	3.3
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20930EA	SAMPLER:	LK
LOCATION:	EFFLUENT-RAP	ANALYST:	LK
DATE:	9/30/92	TIME:	7:55 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	7.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	10.6
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20930IA	SAMPLER:	LK
LOCATION:	INFLUENT-RAP	ANALYST:	LK
DATE:	9/30/92	TIME:	8:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	9.4
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20701 / Well 1	SAMPLER:	T. Conzo
LOCATION:	Beth. St. Pk. Well 1	ANALYST:	T. Conzo
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	5.721
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20701 / Well II	SAMPLER:	T. Conzo
LOCATION:	Beth. St. Pk. Well II	ANALYST:	T. Conzo
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	5.376
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	207011/Well TII	SAMPLER:	T. Conzo
LOCATION:	Beth.St.Pk. Well TII	ANALYST:	T. Conzo
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	4.717
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20701 - Well IV	SAMPLER:	T. Conzo
LOCATION:	Beth St. Pk. Well IV	ANALYST:	T. Conzo
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	4.698
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20701-Well V	SAMPLER:	T. Conzo
LOCATION:	Beth St. Pk. Well V	ANALYST:	T. Conzo
DATE:	7-1-92	TIME:	1300

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION * (MG/L) **	MEASURED CONCENTRATION *** (MG/L)
pH (units)	6.5-8.5	4.885
ORP (mv)	NO REQUIREMENT	
IRON, TOTAL	0.3	
MANGANESE, TOTAL	0.3	
DISSOLVED OXYGEN	NO REQUIREMENT	
AMMONIA	10	

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]	[illegible]
[illegible]	ANALYST: [illegible]
[illegible]	TIME: [illegible]

CHEMICAL PARAMETER	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)*	MEASURED CONCENTRATION (mg/l)**
[illegible]	[illegible]	[illegible]
[illegible]	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	[illegible]	NOT PERFORMED
MANGANESE, TOTAL	[illegible]	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	NOT PERFORMED
[illegible]	[illegible]	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND [illegible]

[illegible]

TOWN OF OYSTER BAY

[illegible]

GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]	[illegible]
LOCATION: [illegible]	ANALYST: [illegible]
DATE: [illegible]	TIME: [illegible]

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION (mg/l)
[illegible]	[illegible]	[illegible]
[illegible]	NO REQUIREMENT	NOT PERFORMED
[illegible] TOTAL	[illegible]	NOT PERFORMED
[illegible] TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	NOT PERFORMED
[illegible]	[illegible]	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

[illegible]

TOWN OF OYSTER BAY

[illegible]

GROUNDWATER TREATMENT FACILITY

[illegible]

SAMPLE [illegible]	ANALYST [illegible]
[illegible]	[illegible]
DATE [illegible]	[illegible]

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)*	MEASURED CONCENTRATION (mg/l)
[illegible]	[illegible]	[illegible]
pH [illegible]	NO REQUIREMENT	[illegible]
IRON, TOTAL	[illegible]	[illegible]
MANGANESE, TOTAL	0.3	[illegible]
DISSOLVED OXYGEN	[illegible]	[illegible]
[illegible]	[illegible]	NOT DETECTED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

[illegible]

TOWN OF OYSTER BAY

[illegible]

GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]	[illegible]
LOCATION: [illegible]	ANALYST: [illegible]
DATE: [illegible]	TIME: [illegible]

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION [illegible]	MEASURED CONCENTRATION [illegible]
[illegible]	[illegible]	[illegible]
ORP (mV)	NO REQUIREMENT	NOT [illegible]
IRON, TOTAL	[illegible]	NOT [illegible]
MANGANESE, TOTAL	[illegible]	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	NOT [illegible]
[illegible]	[illegible]	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

[illegible]

TOWN OF OYSTER BAY

[illegible]

GROUNDWATER TREATMENT FACILITY

[illegible]

[illegible]	[illegible]
[illegible]	ANALYST [illegible]
[illegible]	[illegible]

CHEMICAL [illegible]	ALLOWABLE EFFLUENT [illegible]	MEASURED [illegible]
[illegible]	[illegible]	
ORP [illegible]	NO REQUIREMENT	[illegible]
[illegible] TOTAL	[illegible]	NOT [illegible]
[illegible] TOTAL	[illegible]	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	[illegible]
[illegible]	[illegible]	NOT [illegible]

[illegible] EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED [illegible] TO THE TOWN

[illegible] ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

[illegible]

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20821W1	SAMPLER:	BILL
LOCATION:	WELL 1	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	920821W3	SAMPLER:	BILL
LOCATION:	WELL 3	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	4.6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20821W4	SAMPLER:	BILL
LOCATION:	WELL 4	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	4.6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20821W5	SAMPLER:	BILL
LOCATION:	WELL 5	ANALYST:	LK
DATE:	8/21/92	TIME:	9:30-10:00 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	4.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20910W1	SAMPLER:	BILL & TC
LOCATION:	WELL 1	ANALYST:	LK
DATE:	9/10/91	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	6
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20910W2	SAMPLER:	BILL & TC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	9/10/91	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20910W3	SAMPLER:	BILL & TC
LOCATION:	WELL 3	ANALYST:	LK
DATE:	9/10/92	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.1
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID#:	20910W4	SAMPLER:	BILL & TC
LOCATION:	WELL 4	ANALYST:	LK
DATE:	9/10/92	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.0
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.0
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.
** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.
*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20910W5	SAMPLER:	BILL & TC
LOCATION:	WELL 5	ANALYST:	LK
DATE:	9/10/92	TIME:	11:45AM-12:00

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.1
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	<0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS
GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20917N1	SAMPLERS:	BB & TC
LOCATION:	WELL 1	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	6.2
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	2091792	SAMPLER:	BB & IC
LOCATION:	WELL 2	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.7
ORP (mV)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE #:	920917W3	SAMPLER:	BB & IC
LOCATION:	WELL 3	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.1
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20917W4	SAMPLER:	BB & TC
LOCATION:	WELL 4	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.0
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/88 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID:	20917W5	SAMPLER:	BB & IC
LOCATION:	WELL 5	ANALYST:	LK
DATE:	9/17/92	TIME:	9:30-10:15AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
pH (units)	6.5 - 8.5	5.0
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	NOT PERFORMED
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY 11/10/83 LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID: [illegible]	SAMPLER: [illegible]
LOCATION: [illegible]	ANALYST: [illegible]
DATE: [illegible]/04/02	TIME: [illegible] AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)*	MEASURED CONCENTRATION (mg/l)**
pH (units)	6.5 - 8.5	[illegible]
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	[illegible]
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID: [illegible]	SAMPLED BY: [illegible]
LOCATION: [illegible]	SEQUENCE: [illegible]
DATE: [illegible]	TIME: 8:25-9:05 AM

CHEMICAL CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION (mg/l)*	MEASURED CONCENTRATION (mg/l)**
pH (units)	6.5-8.5	[illegible]
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	0.1
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN.

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS.

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE POINT	[illegible]	SAMPLE ID	[illegible]
LOCATION	[illegible]	ANALYST	[illegible]
DATE	[illegible]/[illegible]/02	TIME	[illegible] - 9:05 AM

CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATIONS (mg/l)*	MEASURED CONCENTRATIONS (mg/l)
pH (units)	6.5 - 8.5	[illegible]
ORP (mv)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	[illegible]
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>5.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT pH AND ORP.

*** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE POINT: [illegible]	SAMPLE TYPE: [illegible]
LOCATION: [illegible]	ANALYST: [illegible]
DATE: [illegible]	TIME: [illegible]

CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)	MEASURED CONCENTRATION** (mg/l)
pH (units)	6.5 - 8.5	[illegible]
ORP (mV)	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	[illegible]
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	>=6.0	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN MG/L EXCEPT PH AND ORP.

*** UNDERLINED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS

GROUNDWATER TREATMENT FACILITY

INORGANICS ANALYSIS REPORT

SAMPLE ID: [illegible]	SAMPLED BY: [illegible]
LOCATION: [illegible]	ANALYZED BY: [illegible]
DATE: [illegible]	TIME: [illegible]

CONSTITUENT	ALLOWABLE EFFLUENT CONCENTRATION* (mg/l)**	MEASURED CONCENTRATION*** (mg/l)
[illegible]	5.5-8.5	7.1
[illegible]	NO REQUIREMENT	NOT PERFORMED
IRON, TOTAL	0.3	[illegible]
MANGANESE, TOTAL	0.3	NOT PERFORMED
DISSOLVED OXYGEN	[illegible]	NOT PERFORMED
AMMONIA	10	NOT PERFORMED

* REGULATORY EFFLUENT DISCHARGE STANDARDS AS SPECIFIED IN THE CONSENT DECREE AND AS MODIFIED BY [illegible] LETTER TO THE TOWN

** ALL CONCENTRATIONS EXPRESSED IN [illegible] EXCEPT pH AND ODOR

**** HIGHLIGHTED COMPOUNDS IN EXCESS OF REQUIRED EFFLUENT CONCENTRATIONS

APPENDIX E

SPDES REPORTS

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922980/2 08/18/92

8086-11
SPDES Effluent Sample
Workbook

Lockwood, Kessler & Bartlett
1 Aerial Way
Syosset, NY 11791
ATTN: Ray Wegener

SOURCE OF SAMPLE: Oyster Bay Town-Landfill Treatment Plant
COLLECTED BY: Client DATE COL'D:06/29/92 RECEIVED:07/31/92

SAMPLE: Wastewater sample, Effluent, 7:50 am

ANALYTICAL PARAMETERS | ANALYTICAL PARAMETERS

Vinyl Chloride	ug/L	<1.
Chloroethane	ug/L	<1.
Methylene Chloride	ug/L	<1.
11 Dichloroethene	ug/L	ND*
11 Dichloroethane	ug/L	<1.
12 Dichloroethene	ug/L	1.5
Chloroform	ug/L	<1.
12 Dichloroethane	ug/L	<1.
111 Trichloroethane	ug/L	<1.
Carbon Tetrachloride	ug/L	<1.
Bromodichloromethane	ug/L	<1.
12 Dichloropropane	ug/L	<1.
Trichloroethylene	ug/L	<1.
Chlorodibromomethane	ug/L	<1.
Bromoform	ug/L	<2.
Tetrachloroethene	ug/L	<1.
Chlorobenzene	ug/L	<1.
13 Dichlorobenzene	ug/L	<2.
12 Dichlorobenzene	ug/L	<2.
14 Dichlorobenzene	ug/L	<2.
Benzene	ug/L	<1.
Toluene	ug/L	<2.
Ethyl Benzene	ug/L	<1.
m Xylene	ug/L	<2.
o+p Xylene	ug/L	<4.

cc:

REMARKS: * Not detected at MDL 0.07ug/L.

DIRECTOR________________________

rn= 13320 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922980/2 08/18/92

8086-11
SPDES Effluent Sample
Wehrlo...

Lockwood, Kessler & Bartlett
1 Aerial Way
Syosset, NY 11791
ATTN: Ray Wegener

SOURCE OF SAMPLE: Oyster Bay Town-Landfill Treatment Plant
COLLECTED BY: Client DATE COL'D:06/29/92 RECEIVED:07/31/92

SAMPLE: Wastewater sample, Effluent, 7:50 am

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Barium as Ba	mg/L	0.10	
Cadmium as Cd	mg/L	<0.001	
Chloride as Cl	mg/L	110	
Chromium hex as Cr	mg/L	<0.02	
Copper as Cu	mg/L	<0.02	
Cyanide as CN	mg/L	<0.02	
Iron as Fe	mg/L	0.24	
Lead as Pb	mg/L	0.010	
Magnesium as Mg	mg/L	9.3	
Manganese as Mn	mg/L	0.21	
Mercury as Hg	mg/L	<0.001	
Silver as Ag	mg/L	<0.01	
Zinc as Zn	mg/L	<0.02	
Tot Dissolved Solids	mg/L	250	
Nitrate as N	mg/L	1.5	
Sulfate as SO4	mg/L	21	
Phenols as Phenol	mg/L	<0.001	

cc:

REMARKS:

DIRECTOR

rn= 13321 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922980/2 08/18/92

3086-11
SPDES Effluent sample
Workbook

Lockwood, Kessler & Bartlett
1 Aerial Way
Syosset, NY 11791
ATTN: Ray Wegener

SOURCE OF SAMPLE: Oyster Bay Town-Landfill Treatment Plant
COLLECTED BY: Client DATE COL'D: ~~06/29/92~~ 07/31/92 RECEIVED: 07/31/92

SAMPLE: Wastewater sample, Effluent, 7:50 am

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Vinyl Chloride	ug/L	<1.	
Chloroethane	ug/L	<1.	
Methylene Chloride	ug/L	<1.	
11 Dichloroethene	ug/L	ND*	
11 Dichloroethane	ug/L	<1.	
12 Dichloroethene	ug/L	1.5	
Chloroform	ug/L	<1.	
12 Dichloroethane	ug/L	<1.	
111 Trichloroethane	ug/L	<1.	
Carbon Tetrachloride	ug/L	<1.	
Bromodichloromethane	ug/L	<1.	
12 Dichloropropane	ug/L	<1.	
Trichloroethylene	ug/L	<1.	
Chlorodibromomethane	ug/L	<1.	
Bromoform	ug/L	<2.	
Tetrachloroethene	ug/L	<1.	
Chlorobenzene	ug/L	<1.	
13 Dichlorobenzene	ug/L	<2.	
12 Dichlorobenzene	ug/L	<2.	
14 Dichlorobenzene	ug/L	<2.	
Benzene	ug/L	<1.	
Toluene	ug/L	<2.	
Ethyl Benzene	ug/L	<1.	
m Xylene	ug/L	<2.	
o+p Xylene	ug/L	<4.	

cc:

REMARKS: * Not detected at MDL 0.07ug/L.

DIRECTOR ____________________

rn= 13320 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922980/2 08/18/92

8006-11 Effluent Sample 5/7/92 Wetland

Lockwood, Kessler & Bartlett
1 Aerial Way
Syosset, NY 11791
ATTN: Ray Wegener

SOURCE OF SAMPLE: Oyster Bay Town-Landfill Treatment Plant
COLLECTED BY: Client DATE COL'D: ~~06/29/92~~ 07/31/92 RECEIVED: 07/31/92

SAMPLE: Wastewater sample, Effluent, 7:50 am

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Barium as Ba	mg/L	0.10	
Cadmium as Cd	mg/L	<0.001	
Chloride as Cl	mg/L	110	
Chromium hex as Cr	mg/L	<0.02	
Copper as Cu	mg/L	<0.02	
Cyanide as CN	mg/L	<0.02	
Iron as Fe	mg/L	0.24	
Lead as Pb	mg/L	0.010	
Magnesium as Mg	mg/L	9.3	
Manganese as Mn	mg/L	0.21	
Mercury as Hg	mg/L	<0.001	
Silver as Ag	mg/L	<0.01	
Zinc as Zn	mg/L	<0.02	
Tot Dissolved Solids	mg/L	250	
Nitrate as N	mg/L	1.5	
Sulfate as SO4	mg/L	21	
Phenols as Phenol	mg/L	<0.001	

cc:

REMARKS:

DIRECTOR ________________________

rn= 13321 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923525/2 09/24/92

8086-11
SPDES Effluent Sample
Workbook

Lockwood, Kessler & Bartlett
1 Aerial Way
Syosset, NY 11791
ATTN: Ray Wegener

SOURCE OF SAMPLE: Oyster Bay Town-Landfill Treatment Plant
COLLECTED BY: Client DATE COL'D:09/08/92 RECEIVED:09/08/92

SAMPLE: Wastewater sample, Effluent, 11:25 am

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Vinyl Chloride	ug/L	<1	
Chloroethane	ug/L	<1	
Methylene Chloride	ug/L	<1	
11 Dichloroethene	ug/L	ND*	
11 Dichloroethane	ug/L	<1	
12 Dichloroethene	ug/L	2	
Chloroform	ug/L	<1	
12 Dichloroethane	ug/L	<1	
111 Trichloroethane	ug/L	<1	
Carbon Tetrachloride	ug/L	<1	
Bromodichloromethane	ug/L	<1	
12 Dichloropropane	ug/L	<1	
Trichloroethylene	ug/L	<1	
Chlorodibromomethane	ug/L	<1	
Bromoform	ug/L	<2	
Tetrachloroethene	ug/L	1	
Chlorobenzene	ug/L	<1	
13 Dichlorobenzene	ug/L	<2	
12 Dichlorobenzene	ug/L	<2	
14 Dichlorobenzene	ug/L	<2	
Benzene	ug/L	<1	
Toluene	ug/L	<2	
Ethyl Benzene	ug/L	<1	
m Xylene	ug/L	<2	
o+p Xylene	ug/L	<4	

cc:

REMARKS: *Not detected at MDL 0.07ug/L.

DIRECTOR________________________

rn= 15481 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923525/3 09/24/92

8086-11
SPDES Effluent Sample
Workbook

Lockwood, Kessler & Bartlett
1 Aerial Way
Syosset, NY 11791
ATTN: Ray Wegener

SOURCE OF SAMPLE: Oyster Bay Town-Landfill Treatment Plant
COLLECTED BY: Client DATE COL'D:09/08/92 RECEIVED:09/08/92

SAMPLE: Wastewater sample, Effluent, 11:10 am

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Barium as Ba	mg/L	0.10	
Cadmium as Cd	mg/L	<0.002	
Chloride as Cl	mg/L	110	
Chromium hex as Cr	mg/L	<0.02	
Copper as Cu	mg/L	0.03	
Cyanide as CN	mg/L	<0.02	
Iron as Fe	mg/L	0.33	
Lead as Pb	mg/L	0.006	
Magnesium as Mg	mg/L	8.3	
Manganese as Mn	mg/L	0.22	
Mercury as Hg	mg/L	<0.001	
Silver as Ag	mg/L	<0.01	
Zinc as Zn	mg/L	<0.02	
Tot Dissolved Solids	mg/L	250	
Nitrate as N	mg/L	1.5	
Sulfate as SO4	mg/L	20	
Phenols as Phenol	mg/L	<0.001	

cc:

REMARKS:

DIRECTOR______________________

rn= 15482 NYSDOH ID# 10320

APPENDIX F

"AIR STRIPPER EMISSIONS SURVEY,"

December, 1992

OLD BETHPAGE LANDFILL
OYSTER BAY SOLID WASTE DISPOSAL COMPLEX
AIR STRIPPER STACK EMISSIONS SURVEY

Initial Year of Operation

First Quarterly Report

Prepared for:

Lockwood Kessler & Bartlett, Inc.
One Aerial Way
Syosset, New York 11791

Prepared by:

RTP Environmental Associates, Inc.
400 Post Avenue
Westbury, New York 11590

DECEMBER 1992

FIRST QUARTERLY REPORT
OBSWDC AIR STRIPPER TEST PROGRAM

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7 - Summary of Air Stripper Operational Data
8 - Summary of Air Stripper Ammonia Emissions
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10- Maximum Annual Impacts Based on Air Emission Test
11- Modeling Validation Results

FIRST QUARTERLY REPORT
OBSWDC AIR STRIPPER TEST PROGRAM

1.0 INTRODUCTION

The Town of Oyster Bay entered into a Consent Decree (83CIV5357) with the New York State Department of Law (DOL) regarding remediation efforts at the Oyster Bay Solid Waste Disposal Complex (OBSWDC). The Decree requires, among other items. quarterly stack emission testing of the air stripper.

This report has been prepared by RTP Environmental Associates. Inc. (RTP), the subcontractor for conducting and evaluating the air stripper emission tests. The report provides a brief summary of sampling procedures and analytical methods; a presentation of data collected during the test; an analysis of the data including comparisons to the Consent Decree emission limits used in facility design, and an air quality modeling analysis.

This report is the first in a series of quarterly reports that will provide data on the individual air emission tests being performed by RTP. The final report will include an overall analysis of all tests combined for direct comparison to the applicable guidelines.

2.0 SAMPLING AND ANALYSIS PROCEDURES

The air stripper stack sampling program was based on achieving a combined sampling and analytical method lower quantitation limit (ug/m^3) that when modeled is less than the lowest target compound ambient air Annual Guideline Concentration (AGC) at the maximum point of impact.

RTP developed and submitted a monitoring and analysis protocol for the quarterly tests to New York State Department of Environmental Conservation (NYSDEC) for approval. The specific sampling and analysis procedures are fully defined in a series of documents including the project scope of work and subsequent correspondence with the NYSDEC and Lockwood, Kessler & Bartlett, Inc. (LKB). NYSDEC gave formal approval to the approach and testing commenced on May 28, 1992.

The analytical laboratories selected for this project were Research Triangle Laboratories (RTL) and EcoTest Laboratories (EcoTest). RTL provided the required analytical gas chromatograph-mass spectrographic services to identify and quantify all substances listed on the Target Compound List (TCL) except ammonia. The TCL was based on the Consent Decree and is provided in Table 1. EcoTest provided ion specific electrode analysis services to identify and quantify ammonia emissions.

3.0 DISCUSSION OF RESULTS

RTP conducted the first quarterly stack test effort at the OBSWDC Air Stripper on May 28, 1992. The stack test included twelve (12) individual Volatile Organic Sampling Train (VOST) runs, each 40 minutes in duration.

There were several additional concurrent tests performed. Ambient air samples were collected using a portable VOST train. Aqueous samples were collected for ammonia analyses at the influent and effluent channels to the air stripper. And finally, influent and effluent water samples were taken for GC analysis. The data from these tests are presented in the attached laboratory reports.

The facility operations were monitored on a continuous basis during the performance of the stack test. Site personnel kept detailed records of well flows, air stripper flow, air blower flow and blower pressure. All major unit processes were operating normally during the entire period of the test. One production well had lost its telemetry prior to the test but was operated normally throughout the test.

In-stack measurements at the facility were made of pressure differential, temperature, and dew point. Finally, meteorological measurements of wind direction, wind speed, atmospheric pressure, temperature, turbulence and humidity were taken at two locations onsite.

3.1 Air Stripper Stack VOST Results

Tables 2 through 4 provide the nanogram per liter (ng/l) air concentrations for each TCL constituent detected during the twelve (12) VOST runs performed by RTP. A test is comprised of four (4) individual VOST runs. The test averages (A, B and C) are provided in Table 5 along with the average for all test runs. Several compounds were identified with the most prevalent being tetrachloroethene and dichloroethene. There was no condensate recorded in any of the tests primarily because of the low (4 liter) total sample volume required for each test. Field and trip blank samples were collected. There is no indication that contamination was present in the blank sample tubes as described in the RTL report.

3.2 Ambient Air VOST Results

Ambient VOST samples were collected at two locations during the air stripper tower stack test. Sample A-1U was collected upwind of the tower to provide data on background VOC concentrations in the air approaching or being drawn into the tower. Sample A-1D was collected downwind of the tower to determine combined VOC impacts from background sources and the operation of the tower.

The analytical TCL results for the ambient VOST samples are presented in Table 6. Only three VOCs were detected in reportable quantities in the downwind sample. These were tetrachloroethene, toluene and 1,1,1 trichloroethane. The upwind sample contained two VOCs within the quantitation limits: tetrachloroethene and toluene. An ambient air field blank (A-FB) was collected and it was free of any quantifiable contamination. The air samples with total air volumes of 372 and 319 liters did not contain sufficient moisture to have a collectable condensate sample.

3.3 Air Stripper Operational Results

Table 7 summarizes the operational data for the groundwater treatment facility on the day of the air stripper stack testing. Operations data during each stack test performed by RTP are provided in the Table.

Influent and effluent water samples were also taken to evaluate the release of ammonia via a net difference method. A summary of the emission rates and other data are provided in Table 8. Tests 1, 2 and 3 correspond to stack gas emission test groups A, B and C, respectively.

4.0 COMPARISON OF EMISSION RATES TO CONSENT DECREE LIMITATIONS

The Consent Decree stipulates air stripper discharge requirements and these which are provided in Table 9. A direct comparison of the discharge concentrations to the limits tabulated in the Consent Decree indicate that potentially four compounds exceed the specified limits.

This was the first in a series of stack tests that will be performed at the air stripper. Future stack test data will be combined with the above results to evaluate facility operations on an annual basis.

5.0 AIR QUALITY MODELING

An air quality impact analysis using an approved USEPA model was prepared based on stack and background ambient VOST test data. Predicted model values were compared to observed downwind ambient VOST test data and NYSDEC ambient air annual guidelines as provided in Air Guide No. 1.

The analysis was performed to determine if the annual air quality impacts of the air stripper operation exceed ambient air quality guidelines. Two EPA approved atmospheric dispersion models (TSCREEN and ISC2) were evaluated for use in this case. The ISC2 Model was selected for this analysis. The air stripper emission rates and its associated source parameters, as tested in the first quarterly stack test, were used in the modeling analysis.

5.1 Modeling Methodology

EPA has approved the TSCREEN and ISC2 dispersion models for use in estimating ambient air quality impacts associated with a variety of complex sources including air stripper towers. TSCREEN is a screening model for evaluating toxic emission impacts from different types of possible releases from superfund sites. It also has the ability to evaluate air quality impacts from air stripper tower operations. Unfortunately, TSCREEN does not have the flexibility to account for local terrain features, actual meteorological data and wind direction dependent downwash.

These factors are critical for calculating accurate annual impacts of the Oyster Bay air stripper tower. Because of these deficiencies, TSCREEN is considered not to be an appropriate model for use in this case.

The ISC2 Dispersion Model (EPA, 1992), is a restructured and reprogrammed version of the original ISC Model. The ISC2 model provides the ability to model emissions from a wide range of sources including elevated point source emissions. The basis of the model is the straight-line, steady-state Gaussian plume dispersion equation. It has the ability to take into account building downwash effects for different wind angles, incorporates local terrain information, and accepts hourly meteorological data. The user can select various time period averages including annual average impacts. Since ISC2 is best suited for this case, it has been selected for evaluating the air stripper tower air quality impacts on receptors surrounding the OBSWDC.

5.2 Model and Source Configuration

The ISC2 Model has a variety of run options that are useful in customizing the model for a specific application. In this case, general model options, source/receptor configurations and meteorological data were input into the model to predict the maximum annual average impacts for off-property receptors associated with the air stripper tower.

The following regulatory default options are applied in the simulation including:

- o stack-tip downwash,
- o buoyancy-induced dispersion,
- o calm wind speed processing routine,
- o upper bound concentration estimates for sources influenced by building downwash from super-squat building,
- o regulatory default wind speed profile exponents and
- o regulatory default vertical potential temperature gradients.

The source parameters utilized in the model are based on the first quarterly air stripper exhaust tests. The important parameters are air stripper base location and elevation, tower height, stack exit temperature, inner stack diameter of the exhaust section, exhaust volume flow rates and

VOC emission rates. Since the air stripper building downwash is included, the building crosswind dimensions for various wind directions are also input into the model.

Receptors used in the modeling analysis covered a four (4) kilometer square area around the air stripper. Two receptor grids with 200 meter and 100 meter spacing were used along with a separate series of property line receptors. The above surface height of each receptor was one meter.

One year of onsite meteorological data was used for this modeling analysis. This data set was collected from atop the Oyster Bay Landfill by the Town of Oyster Bay Industrial Development Authority in 1985. The meteorology data included wind speed, wind direction, ambient air temperature, humidity and turbulence level. Mixing heights for this period were based on Holzworth seasonal mixing height data. These data along with the model outputs for specific conditions will be provided in the final first year report for this project.

5.3 Modeling Results

The maximum annual normalized impact predicted by the ISC2 Model for the OBSWDC air stripper tower is 7.03 micrograms per cubic meter. This value is based on a one gram per second emission rate and one year of onsite meteorological data. The compound specific maximum annual impacts predicted for all compounds identified in the first quarterly air stripper emission tests are presented in Table 10. They are derived by converting the emission rates shown in Table 9 to gram per second values. These emission rates are then multiplied by the maximum annual normalized impact shown above.

Maximum annual impacts are compared to the New York State Annual Guideline Concentrations (AGCs) in place at the time the Consent Decree was developed and to current AGCs. As shown in Table 10, each compound specific annual impact is below the AGCs that were in effect at the time the Consent Decree was formalized. When maximum annual impacts as modeled are compared to currently applied AGCs, one compound, tetrachloroethene, is predicted to exceed the current annual guideline. More monitoring and modeling data are necessary to confirm or deny the potential for exceeding the current State guidelines.

It should be noted, however, that the background concentration upwind of the air stripper tower also exceeded the current tetrachloroethene AGC.

5.4 Modeling Validation

The objective of the model validation process is to verify that the model set up and results compare favorably with available onsite ambient air sampling results. Model validation is normally performed with a statistically significant set of data. Since data is only available for one sampling period, a true model calibration/validation sequence cannot be performed until more data becomes available. However, an initial attempt at model validation was made to determine the relative accuracy of the model for this application.

Both upwind and downwind ambient air concentrations along with the meteorological data were collected during the first quarter test effort. These data were collected concurrent with the air stripper emission test period described in Section 3. For this case, tetrachloroethene was selected as the appropriate compound for the model validation analysis. All other VOCs emitted from the air stripper were at levels that were at or below the quantitation limits established for the ambient samples and therefore could not be applied to validate the model.

The background tetrachloroethene concentration represents the ambient level upwind of the air stripper. This sample was collected to the northwest of the air stripper tower under persistent northwesterly wind conditions. The downwind tetrachloroethene sample was collected to the southeast of the tower. The downwind concentration represents the summation of the background and air stripper impact for tetrachloroethene. As indicated in Table 11, the downwind concentration impact as calculated is 0.194 micrograms per cubic meter. This is derived by subtracting the upwind sample concentration from the downwind sample concentration. The modeled impact for the testing period is 0.506 micrograms per cubic meter. The ratio of the observed to the predicted concentration values is 0.38. This means that observed versus predicted results are within a factor of 2.6 of each other.

These predicted versus observed results indicate that there is reasonable correlation between the two methods of determining air stripper impacts for specific short-term periods. Similar modeling analyses will be performed during each quarterly test to determine compliance with ambient standards and then for all available data at the conclusion of the first year of the field study.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The stack testing performed on May 28, 1992 at the air stripper tower shows that the emission rates for several compounds measured at the point of discharge exceed the limitations stipulated in the Consent Decree. Those compounds, identified in Table 9, are vinyl chloride, tetrachlorethene, benzene and ammonia. The remaining quarterly test results will need to be added to the data presented in this report before any conclusions can be made on acceptability of air stripper emissions and their impacts.

A comparison of the air quality impacts at the worst-case off-property receptor with the NYSDEC annual ambient guidelines in effect at the time of the signing of the Consent Decree indicates that the air stripper emissions do not exceed any of the ambient air guideline levels in effect at this time.

The stack test emission rates were used to predict expected annual air quality impacts using an approved USEPA model. The model results also indicate that only one compound, tetrachlorethene, has an impact that exceeds current NYSDEC annual ambient air quality guidelines.

RTP recommends that the approved VOST sample run times be decreased from 40 minutes to 20 minutes. The recommendation is suggested because of the very low flow rates that must be maintained over the entire 40 minute sampling period by the flow control module. Doubling the flow rate would place it more within the normal operating range of the flow control module.

REFERENCES

EPA, 1992, Users Guide for the Industrial Source Complex (ISC2) Dispersion Models, EPA-450/4-92-008a OAQPS, Research Triangle Park, North Carolina 27711

1991, New York State Air Guide-1, Division of Air Resources, New York State Department of Environmental Conservation (NYSDEC), Albany, New York

TABLE 1

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

PROGRAM TARGET COMPOUND LIST
AND NYSDEC AMBIENT GUIDELINES

VOC COMPOUND NAME	TOXICITY	CURRENT SGC (ug/m3)		CURRENT AGC (ug/m3)		FORMER AGC (ug/m3)	CONSENT DECREE LIMITS***
Benzene	H	30	(p)	0.12	(E,U)	100	100
Bromodichloromethane	H			0.02	(D)	0.03**	0.03
Bromoform	M	1,200	(t)	12	(T)	11.9**	16.7
Carbon Tetrachloride	H	1,300	(r)	0.07	(E,U)	100	100
Chlorobenzene	M	11,000	(p)	20	(E)	1,170	1,170
Chloroethane	L	630,000	(t)	63,000	(T)	52,000	52,000
Chloroform	M	980	(r)	23	(R)	167	167
Dibromochloromethane	M			0.1	(Z)	0.03**	0.03
1,2-Dichlorobenzene (o)	M	30,000	(t)	200	(E)	1,000	1,000
1,3-Dichlorobenzene (m)	M	30,000	(a)	200	(A)	714**	0.03
1,4-Dichlorobenzene (p)	M**	110,000**		700**			1,500
1,1-Dichloroethane	L	190,000	(t)	500	(E)	9,524**	2,700
1,2-Dichloroethane	M	950	(r)	0.039	(E,U)	0.2	20
1,1-Dichloroethene	H	2,000	(t)	0.02	(E,U)	66.7	66.7
cis-1,2-Dichloroethene*	M	190,000	(t)	1,900	(T)	1,880**	2,630****
trans-1,2-Dichloroethene	M			360	(D)	360**	
1,2-Dichloropropane	M	83,000	(t)	0.15	(D)	833**	1,170
Ethylbenzene	M	10,000	(t)	1,000	(E)	1,450	1,450
Freon 13*	L	43,000	(a)	530	(A)	133,333**	0.03
Methylene Chloride	M	41,000	(t)	27	(D,U)	1,170	1,170
Tetrachloroethene	M	81,000	(t)	0.075	(D,U)	1,120	1,120
Toluene	L	89,000	(r)	2,000	(I)	7,500	7,500
1,1,1-Trichloroethane	L	450,000	(t)	1,000	(E)	38,000	38,000
Trichloroethene	M	33,000	(r)	0.45	(D,U)	900	900
Vinyl Chloride	H	1,300	(t)	0.02	(E,U)	0.4	0.4
Xylenes ~~(Total)~~	M	100,000	(t)	300	(I)	1,450	1,450*****
OTHER COMPOUNDS							
Ammonia	L	4,000	(t)	360	(E)	360	360

FOOTNOTES:

SGC - Short-term guideline concentration
AGC - Annual guideline concentration (current as of June 1991, former as of 1986, 9/89 Edition)
* - Tentatively Identified Compound (TIC) using EPA SW846 Method 8240
** - Proposed Value
*** - As per Table 1 of the Final Consent Decree. Reported in micrograms per cubic meter (ug/m3)
**** - Total for cis and trans isomers
***** - 1450 total for ortho and para xylene and 1450 total for meta xylene
Toxicity - H for high; M for moderate; and L for low by NYSDEC
(a) - SGC based on NYSDEC structure-activity analogy
(p) - SGC dervied from proposed ACGIH TLV-TWA (1990-1991)
(r) - SGC derived from NIOSH REL-TWA (1988)
(t) - SGC derived from ACGIH TLV-TWA (1990-1991)
(A) - AGC based on NYSDEC structure-activity analogy
(D) - AGC derived from NYSDEC, Divison of Air Resources, Bureau of Air Toxics, Toxics Assessment Section
(E) - AGC based on derivation by USEPA
(I) - AGC based on RFC developed by USEPA - Integrated Risk Information System (RIS), input pending
(R) - AGC derived from NIOSH REL-TWA (1988)
(T) - AGC derived from ACGIH TLV-TWA (1990-1991)
(U) - AGC is the ambient air concentration which corresponds to an excess cancer risk of one in one million after lifetime exposure
(Z) - AGC assigned MODERATE toxicity "de minimis" limit

Revised 12/07/92

TABLE 2

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

AIR STRIPPER VOST RESULTS - TEST A
First Quarterly Test Effort

Sample ID	S-01	S-02	S-03	S-04	Condensate	Average
Sample Volume (L)*	3.85	3.87	3.94	3.97		3.91
Flow Rate (ACFM)	8,540	8,540	8,540	8,540		8,540
Stack Temperature (Deg.F)	53	53	53	53		53
Lower Quantitation Limit (ng/l)	57.1	46.5	55.8	65.5		56.2

TARGET COMPOUND	(ng/l)	(ng/l)	(ng/l)	(ng/l)	(ng)	(ng/l)
Benzene	519	310	330	277	NA	358
Bromodichloromethane					NA	
Bromoform					NA	
Carbon Tetrachloride					NA	
Chlorobenzene					NA	
Chloroethane					NA	
Chloroform					NA	
Dibromochloromethane					NA	
1,2-Dichlorobenzene (o)					NA	
1,3-Dichlorobenzene (m)					NA	
1,4-Dichlorobenzene (p)					NA	
1,1-Dichloroethane	519	465	482	453	NA	480
1,2-Dichloroethane					NA	
1,1-Dichloroethene					NA	
cis-1,2-Dichloroethene **	4,160		1,370	2,520	NA	<2,020
trans-1,2-Dichloroethene					NA	
1,2-Dichloropropane					NA	
Ethylbenzene					NA	
Freon 13**					NA	
Methylene Chloride	286	178	203	164	NA	207
Tetrachloroethene	4,420	4,390	4,570	4,280	NA	4,410
Toluene	338	62			NA	<130
1,1,1-Trichloroethane	80.5		78.7	68	NA	<68.4
Trichloroethene	390	336	355	327	NA	352
Vinyl Chloride ***	21.3	86.6	19.3	113	NA	60.3
Xylenes (Total)	753	310	305	277	NA	409

NOTE:
- All blank values are below the Lower Quantitation Limit.
- < Values are used where the Lower Quantitation Limit is averaged with reported values.
- A condensate sample was not available (NA) for collection.

* Corrected to stack conditions.

** Tentatively Identified Compound (TIC).

*** The ability to report vinyl chloride below the Lower Quantitation Limit is due to vinyl chloride's relatively high analytical response factor.

Revised 12/07/92

TABLE 3

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

AIR STRIPPER VOST RESULTS - TEST B
First Quarterly Test Effort

Sample ID	S-05	S-06	S-07	S-08	Condensate	Average
Sample Volume (L)*	3.97	3.89	3.95	3.98		3.95
Flow Rate (ACFM)	8,380	8,380	8,380	8,380		8,380
Stack Temperature (Deg.F)	54	54	54	54		54
Lower Quantitation Limit (ng/l)	65.5	66.8	65.8	65.3		65.9

TARGET COMPOUND	(ng/l)	(ng/l)	(ng/l)	(ng/l)	(ng)	(ng/l)
Benzene	277	334	278	302	NA	298
Bromodichloromethane					NA	
Bromoform					NA	
Carbon Tetrachloride					NA	
Chlorobenzene					NA	
Chloroethane					NA	
Chloroform					NA	
Dibromochloromethane					NA	
1,2-Dichlorobenzene (o)					NA	
1,3-Dichlorobenzene (m)					NA	
1,4-Dichlorobenzene (p)					NA	
1,1-Dichloroethane	428	488	430	503	NA	462
1,2-Dichloroethane					NA	
1,1-Dichloroethene					NA	
cis-1,2-Dichloroethene **	1,410	2,830	2,380	1,580	NA	2,050
trans-1,2-Dichloroethene					NA	
1,2-Dichloropropane					NA	
Ethylbenzene					NA	
Freon 13**					NA	
Methylene Chloride	159	219	165	178	NA	180
Tetrachloroethene	4,030	4,880	3,800	4,770	NA	4,370
Toluene					NA	
1,1,1-Trichloroethane		74.6	65.8	77.9	NA	<71.0
Trichloroethene	302	386	329	377	NA	348
Vinyl Chloride ***	106	15.2	114	19.6	NA	63.8
Xylenes (Total)	277	308	304	327	NA	304

NOTE:

- All blank values are below the Lower Quantitation Limit.
- < Values are used where the Lower Quantitation Limit is averaged with reported values.
- A condensate sample was not available (NA) for collection.

* Corrected to stack conditions.
** Tentatively Identified Compound (TIC).
*** The ability to report vinyl chloride below the Lower Quantitation Limit is due to vinyl chloride's relatively high analytical response factor.

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TABLE 4

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

AIR STRIPPER VOST RESULTS - TEST C
First Quarterly Test Effort

Sample ID	S-09	S-10	S-11	S-12	Condensate	Average
Sample Volume (L)*	3.88	3.99	3.81	4.01		3.92
Flow Rate (ACFM)	8,430	8,430	8,430	8,430		8,430
Stack Temperature (Deg.F)	53	53	53	53		53
Lower Quantitation Limit (ng/l)	67	65.2	68.2	64.8		66.3

TARGET COMPOUND	(ng/l)	(ng/l)	(ng/l)	(ng/l)	(ng)	(ng/l)
Benzene	258	236	289	202	NA	245
Bromodichloromethane					NA	
Bromoform					NA	
Carbon Tetrachloride					NA	
Chlorobenzene					NA	
Chloroethane					NA	
Chloroform					NA	
Dibromochloromethane					NA	
1,2-Dichlorobenzene (o)					NA	
1,3-Dichlorobenzene (m)					NA	
1,4-Dichlorobenzene (p)					NA	
1,1-Dichloroethane	490	476	525	374	NA	465
1,2-Dichloroethane					NA	
1,1-Dichloroethene					NA	
cis-1,2-Dichloroethene**	2,840	1,480	1,420	2,170	NA	1,980
trans-1,2-Dichloroethene					NA	
1,2-Dichloropropane					NA	
Ethylbenzene					NA	
Freon 13**					NA	
Methylene Chloride	183	168	189	274	NA	204
Tetrachloroethene	4,640	4,260	4,990	3,740	NA	4,400
Toluene					NA	
1,1,1-Trichloroethane	72.2	72.7	81.4		NA	<72.8
Trichloroethene	361	301	394	274	NA	331
Vinyl Chloride ***		20.6	136	11	NA	<44.8
Xylenes (Total)	284	276	289	217	NA	266

NOTE:
- All blank values are below the Lower Quantitation Limit.
- < Values are used where the Lower Quantitation Limit is averaged with reported values.
- A condensate sample was not available (NA) for collection.

* Corrected to stack conditions.
** Tentatively Identified Compound (TIC).
*** The ability to report vinyl chloride below the Lower Quantitation Limit is due to vinyl chloride's relatively high analytical response factor.

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TABLE 5

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

AIR STRIPPER VOST TESTS RESULTS
First Quarterly Test Effort

Test ID*	A	B	C	Average
Sample Volume (L)**	3.91	3.95	3.92	3.93
Flow Rate (ACFM)	8,540	8,380	8,430	8,450
Stack Temperature (Deg.F)	53	54	53	53.3
Lower Quantitation Limit (ng/l)	56.2	65.9	66.3	62.8

TARGET COMPOUND	(ng/l)	(ng/l)	(ng/l)	(ng/l)
Benzene	358	298	245	300
Bromodichloromethane				
Bromoform				
Carbon Tetrachloride				
Chlorobenzene				
Chloroethane				
Chloroform				
Dibromochloromethane				
1,2-Dichlorobenzene (o)				
1,3-Dichlorobenzene (m)				
1,4-Dichlorobenzene (p)				
1,1-Dichloroethane	480	462	465	469
1,2-Dichloroethane				
1,1-Dichloroethene				
cis-1,2-Dichloroethene***	<2,020	2,050	1,980	<2,020
trans-1,2-Dichloroethene				
1,2-Dichloropropane				
Ethylbenzene				
Freon 13***				
Methylene Chloride	207	180	204	197
Tetrachloroethene	4,410	4,370	4,400	4,390
Toluene	<130			<87.5
1,1,1-Trichloroethane	<68.4	<71.0	<72.8	<70.7
Trichloroethene	352	348	331	344
Vinyl Chloride ****	60.3	63.8	<44.8	<56.3
Xylenes (Total)	409	304	266	326

NOTE:

- All blank values are below the Lower Quantitation Limit.
- <Values are used were the Lower Quantitation Limit is averaged with reported values.

* Test ID: A - Average of Runs S-01, S-02, S-03 and S-04
B - Average of Runs S-05, S-06, S-07 and S-08
C - Average of Runs S-09, S-10, S-11 and S-12

** Corrected to stack conditions.

*** Tentatively Identified Compound (TIC).

**** The ability to report vinyl chloride below the Lower Quantitation Limit is due to vinyl chloride's relatively high analytical response factor.

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TABLE 6

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

AMBIENT AIR VOST RESULTS
First Quarterly Test Effort

Sample ID	A-1U	A-1D	A-FB
Sample Volume (L)**	372	319	–
Ambient Temperature (Deg.F)	66	66	66
Lower Quantitation Limit (ng/l)	0.753	0.752	20****

TARGET COMPOUND	(ng/l)	(ng/l)	(ng/l)
Benzene			
Bromodichloromethane			
Bromoform			
Carbon Tetrachloride			
Chlorobenzene			
Chloroethane			
Chloroform			
Dibromochloromethane			
1,2-Dichlorobenzene (o)			
1,3-Dichlorobenzene (m)			
1,4-Dichlorobenzene (p)			
1,1-Dichloroethane			
1,2-Dichloroethane			
1,1-Dichloroethene			
cis-1,2-Dichloroethene ***			
trans-1,2-Dichloroethene			
1,2-Dichloropropane			
Ethylbenzene			
Freon 13***			
Methylene Chloride			
Tetrachloroethene	0.806	1.00	
Toluene	2.37	2.54	
1,1,1-Trichloroethane		1.63	
Trichloroethene			
Vinyl Chloride ****			
Xylenes (Total)			

NOTE:

- All blank values are below the Lower Quantitation Limit.

* Run Number: A-1U (Ambient Sample Upwind of the Air Stripper)
A-1D (Ambient Sample Downwind of the Air Stripper)
A-FB (Ambient Sampling Train Field Blank)

** Sample volume at ambient conditions.

*** Tentatively Identified Compound (TIC).

**** The Lower Quantitation Limit for the Ambient Sampling Train Field Blank (A-FB-F/B) as 20 ng (mass loading limit of detection).

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TABLE 7

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

SUMMARY OF AIR STRIPPER OPERATIONAL DATA
First Quarterly Test Effort

VOST RUN NUMBER	WELL 1 FLOW (GPM)	WELL 2 FLOW (GPM)	WELL 3 FLOW (GPM)	WELL 4 FLOW (GPM)	WELL 5 FLOW (GPM)	SYSTEM FLOW (GPM)	STRIPPER FLOW (GPM)	PRESSURE FILTER FLOW (GPM)	BLOWER AIR FLOW (CFM)	AIR PRESSURE (Inches H2O)	GROUNDWATER PROCESSED*3 (gallons)
1	203	252	197	199	197	1030	1100	1030	9600	2.8	44000
2	198	251	199	199	202	971	1090	1100*1	9720	2.9	38400
3	199	252	200	198	198	980	1070	1120	10000	2.8	41200
4	200	252	199	198	197	1050*2	997	941*1	10300	2.9	29400
5	200	252	199	200	198	974	1030	1120*1	10100	2.8	35500
6	200	252	200	200	196	1030	1100	1130	10300	2.9	41600
7	197	253	198	198	195	1030	1100	1120*1	9880	2.6	34000
8	200	252	195	200	200	1040	1080	1130	9810	2.9	43000
9	198	252	199	200	200	1030	1100	1130	9870	2.6	37500
10	200	252	201	198	198	1030	1080	1130	9970	2.5	43400
11	199	252	198	199	199	1030	1110	1130	10000	2.7	37600
12	200	253	202	199	199	1030	1090	1120	10000	2.7	40600
AVERAGE	200	252	199	199	198	1020	1080	1100	9970	2.8	38900

*1 - Intermittent pressure filter flow.
*2 - Sum of wells 1,2,3,4 and 5.
*3 - Groundwater processed = stripper flow x stripper flow duration (per 40 minute run).
*4 - Stripper flow off for 6 minutes for filling of wet well.
*5 - Stripper flow off for 1 minute for filling of wet well.

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TABLE 8

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

SUMMARY OF AIR STRIPPER AMMONIA EMISSIONS
First Quarterly Test Effort

TEST	SAMPLE ID	STRIPPER WATER AMMONIA CONC. (mg/l)	STRIPPER INFLUENT EFFLUENT FLOW RATE (lpm)	MASS FLOW RATE (lb/hr)	AVG. AIR STRIPPER MASS EMISSION RATES (lb/hr)	(ug/m3)
1	Inlet -1	7	3,620	3.35		
	Outlet -1	6.6	3,620	3.16	0.19	5,940
	Inlet-2	6.8	3,620	3.26		
	Outlet-2	6.6	3,620	3.16	0.10	3,130
2	Inlet-3	6.6	3,650	3.19		
	Outlet-3	6.4	3,650	3.09	0.10	3,190
	Inlet-4	6.4	3,650	3.09		
	Outlet-4	6.6	3,650	3.19	-0.10	-3,190
3	Inlet-5	6.6	3,760	3.28		
	Outlet-5	6.6	3,760	3.28	0	0
	Inlet-6	6.6	3,760	3.28		
	Outlet-6	6.2	3,760	3.08	0.2	6,330
				AVERAGE	0.082	2,570

NOTE: Influent and effluent water flows were found to be essentially the same.

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TABLE 9

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

**COMPARISON OF APPLICABLE DISCHARGE REQUIREMENTS
FOR AIR STRIPPER TREATMENT SYSTEM WITH STACK TEST RESULTS**

First Quarterly Test Effort

CONSTITUENT	STACK TEST DISCHARGE CONCENTRATION* (ug/m3)	STACK DISCHARGE REQUIREMENTS** (ug/m3)
Benzene	300	100
Bromodichloromethane		0.03
Bromoform		16.7
Carbon Tetrachloride		100
Chlorobenzene		1,170
Chloroethane		52,000
Chloroform		167
Dibromochloromethane		0.03
1,2-Dichlorobenzene (o)		1,000
1,3-Dichlorobenzene (m)		0.03
1,4-Dichlorobenzene (p)		1,500
1,1-Dichloroethane	469	2,700
1,2-Dichloroethane		20
1,1-Dichloroethene		66.7
cis-1,2-Dichloroethene***	<2,020	2,630****
trans-1,2-Dichloroethene		
1,2-Dichloropropane		1,170
Ethyl Benzene		1,450
Freon 13***		0.03
Methylene Chloride	197	1,170
Tetrachloroethene	4,390	1,120
Toluene	<87.5	7,500
1,1,1-Trichloroethane	<70.7	38,000
Trichloroethene	344	900
Vinyl Chloride*****	<56.3	0.4
Xylenes (Total)	326	1,450
OTHER COMPOUNDS		
Ammonia	2,570	360

NOTES:
- Stack test discharge concentrations are derived from VOST tests.
- All blank values are below the Lower Quantitation Limit (62.8 ug/m3).
- * Values in shaded areas exceed applicable air discharge requirements.

** As per Table 1 of the Final Consent Decree (Table 1).

*** Tentatively Identified Compound (TIC).

**** Total of cis and trans isomers.

***** The ability to report vinyl chloride below the Lower Quantitation Limit is due to vinyl chloride's relatively high analytical response factor.

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TABLE 10

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

MAXIMUM ANNUAL IMPACTS BASED ON AIR EMISSION TEST
First Quarterly Test Effort

CONSTITUENT	EMISSION RATES (g/s)	MAXIMUM ANNUAL IMPACT**	PREVIOUS AGCs**	CURRENT AGCs**
Benzene	0.0012	0.00844	100	0.12
Bromodichloromethane			0.03	0.02
Bromoform			11.9	12
Carbon Tetrachloride			100	0.07
Chlorobenzene			1,170	20
Chloroethane			52,000	63,000
Chloroform			167	23
Dibromochloromethane			0.03	0.1
1,2-Dichlorobenzene (o)			1,000	200
1,3-Dichlorobenzene (m)			714	200
1,4-Dichlorobenzene (p)				700
1,1-Dichloroethane	0.00187	0.0131	9,524	500
1,2-Dichloroethane			0.02	0.039
1,1-Dichloroethene			66.7	0.02
1,2-Dichloroethene (Total)*	<0.00806	<0.0567	2,630	1,900
1,2-Dichloropropane			833	0.15
Ethyl Benzene			1,450	1,000
Freon 13*			133,333	530
Methylene Chloride	0.000786	0.00553	1,170	27
Tetrachloroethene	0.0175	0.123*	1,120	0.075
Toluene	<0.000349	<0.00245	7,500	2,000
Trichloroethene	0.00137	0.00963	900	0.45
1,1,1-Trichloroethane	<0.000282	<0.00198	38,000	1,000
Vinyl Chloride ***	<0.000225	<0.00158	0.4	0.02
Xylenes (Total)	0.0013	0.00914	1,450	300
OTHER COMPOUNDS				
Ammonia	0.0103	0.0724	360	360

NOTES:

- All blank Emission Rate values are 0.00025 g/s.
- All blank Maximum Annual Impact values are 0.00176 ug/m3.
- Maximum annual impacts are based on the maximum annual normalized impact of 7.03 micrograms per cubic meter (ug/m3).
- Ammonia emission rate is based on the water sample results.
- Values on shaded areas exceed current and/or previous AGCs.

* Freon 13 and the cis isomer of 1,2-Dichloroethene are Tentatively Identified Compounds (TICs)

** All concentrations are in micrograms per cubic meter (ug/m3).

*** The ability to report vinyl chloride below the Lower Quantitation Limit is due to viny chloride's relatively high analytical response factor.

AGC = Annual Guideline Concentration

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TABLE 11

OLD BETHPAGE LANDFILL
GROUNDWATER TREATMENT FACILITY

MODELING VALIDATION RESULTS
First Quarterly Test Effort

AMBIENT AIR SAMPLING RESULTS			MODELING RESULTS		
BACKGROUND	DOWNWIND	MEASURED IMPACT	BACKGROUND	MODELED IMPACT	RATIO*
0.806	1.00	0.194	0	0.506	0.38

NOTES:
- All concentrations are for tetrachloroethene and are in micrograms per cubic meter.

* Ratio of measured impact to modeled impact.

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APPENDIX G

"QUARTERLY MONITORING REPORT SECOND QUARTER RESULTS",
SEPTEMBER, 1992

QUARTERLY MONITORING REPORT
SECOND (OPERATIONAL) QUARTER RESULTS
OLD BETHPAGE LANDFILL
GROUND-WATER REMEDIATION PROGRAM
OLD BETHPAGE, NEW YORK

November 1992

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2. Water-Level Data Collected on September 14, 1992, Old Bethpage Landfill, Old Bethpage, New York.

3. Well Construction Details, Old Bethpage Landfill, Old Bethpage, New York.

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6. Results of Analyses for Total (Unfiltered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

FIGURES

1. Configuration of the Water-Table Surface on July 6, 1992 in the Vicinity of the Old Bethpage Landfill, Old Bethpage, New York.

2. Configuration of the Shallow Potentiometric Surface on July 6, 1992 in the Vicinity of the Old Bethpage Landfill, Old Bethpage, New York.

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4. Configuration of the Water-Table Surface on September 14, 1992 in the Vicinity of the Old Bethpage Landfill, Old Bethpage, New York.

5. Configuration of the Shallow Potentiometric Surface on September 14, 1992 in the Vicinity of the Old Bethpage Landfill, Old Bethpage, New York.

6. Configuration of the Deep Potentiometric Surface on September 14, 1992 in the Vicinity of the Old Bethpage Landfill, Old Bethpage, New York.

7. Approximate Distribution of Volatile Halogenated Organics (VHOs) in July 1992, Old Bethpage Landfill, Old Bethpage, New York.

8. Approximate Distribution of Aromatic Hydrocarbons in July 1992, Old Bethpage Landfill, Old Bethpage, New York.

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APPENDIX

A. Laboratory Data Reports.

QUARTERLY MONITORING REPORT
SECOND (OPERATIONAL) QUARTER RESULTS
OLD BETHPAGE LANDFILL
GROUND-WATER REMEDIATION PROGRAM
OLD BETHPAGE, NEW YORK

INTRODUCTION

Geraghty & Miller, Inc. has prepared this report at the request of Lockwood, Kessler & Bartlett, Inc. (LKB) and the Town of Oyster Bay to summarize and evaluate data collected at the Old Bethpage Landfill, Old Bethpage, New York during the second quarter (June 16 through September 30, 1992) of the ground-water remediation system operation.

The ground-water remediation system at the Old Bethpage Landfill became operational on April 1, 1992. In accordance with the Remedial Action Plan (RAP), Geraghty & Miller initiated monthly hydraulic monitoring approximately 30 days after system start-up and quarterly ground-water quality monitoring 3 months after system start-up. During the second quarter of system operation, two synoptic rounds of water-level measurements (July 6 and September 14, 1992) and one round of quarterly ground-water sampling (July 7 through 10, 1992) were conducted. A synoptic water-level measurement round was not conducted during August 1992 because the the ground-water remediation system was not fully operational during most of the month.

The purpose of the hydraulic monitoring is to (1) delineate the mounding effects (if any) in the vicinity of the recharge basin, and (2) delineate the effective capture zone of the recovery system (i.e., determine the effectiveness of the hydraulic containment system in exerting control over the volatile organic compound [VOC] plume). The purpose of the ground-water quality monitoring is to (1) assess the progress of ground-water cleanup, and (2) demonstrate whether the termination criteria set forth in the RAP have been met.

Water-level data collected during this quarter are summarized in Tables 1 and 2; ground-water quality data are provided in Appendix A.

WATER-LEVEL MEASUREMENTS AND MAPPING

On July 6 and September 14, 1992, Geraghty & Miller collected synoptic water-level measurements from site monitoring wells. Depth-to-water measurements and water-level elevations for these two rounds are summarized in Tables 1 and 2, respectively; well construction details are provided in Table 3. Water-level measurement rounds were conducted on July 6 and September 14 during periods when all of the ground-water recovery wells were operational. A synoptic water-level measurement round was not conducted during August 1992 because the ground-water remediation system was fully operational for only seven days of the month. A summary of the pumpage records for the ground-water remediation system for the period June 16 through September 30, 1992 is as follows:

Dates	Estimated Average System Flow (gpm)	Comments
6/16 - 6/24	995	All recovery wells on.
6/25 - 6/27	805	Well 1 off.
6/28 - 6/30	995	All recovery wells on.
7/01 - 7/09	990	All recovery wells on.
7/09 - 7/17	0	All recovery wells off.
7/17 - 7/19	980	All recovery wells on.
7/19 - 7/20	790	Well 5 off.
7/20 - 7/26	985	All recovery wells on.
7/26 - 7/27	770	Well 4 off.
7/27 - 7/31	975	All recovery wells on.
7/31 - 8/05	0	All recovery wells off.
8/05 - 8/06	985	All recovery wells on.
8/06 - 8/10	785	Well 2 off.
8/10 - 8/11	979	All recovery wells on.

Dates	Estimated Average System Flow (gpm)	Comments
8/11 - 8/20	0	All recovery wells off.
8/20	970	All recovery wells on.
8/21 - 8/24	775	Well 2 off.
8/24 - 8/25	965	All recovery wells on.
8/25 - 8/26	775	Well 2 off.
8/26 - 8/31	0	All recovery wells off.
8/31 - 9/01	395	Wells 1, 3 and 4 off.
9/01 - 9/03	650	Wells 1 and 4 off.
9/03 - 9/04	0	All recovery wells off.
9/04 - 9/05	1,030	All recovery wells on.
9/06	845	Well 2 off.
9/07	645	Wells 2 and 5 off.
9/08	575	Wells 4 and 5 off.
9/08 - 9/09	0	All recovery wells off.
9/09 - 9/10	1,030	All recovery wells on.
9/10 - 9/11	0	All recovery wells off.
9/11 - 9/18	1,045	All recovery wells on
9/18 - 9/19	0	All recovery wells off.
9/19 - 9/22	900	All recovery wells on.
9/22 - 9/23	0	All recovery wells off.
9/23 - 9/27	1,030	All recovery wells on.
9/27 - 9/28	0	All recovery wells off.
9/28 - 9/30	1,040	All recovery wells on.

Water-level elevations, relative to mean sea level, were plotted for the water table, shallow potentiometric, and deep potentiometric zones on the site base map. Where appropriate, lines of equal water-level elevation, the approximate extent of the VOC plume, and limiting flow lines (flow lines that depict the effective capture zone of the system) were drawn on the maps. Contour lines were dashed where the data points are less than optimum, and limiting flow lines through these areas are approximate.

The water-table maps were prepared to determine if mounding is occurring in the vicinity of the recharge basin as a result of the treated water that is discharged there. The shallow and deep potentiometric zones were selected for water-level mapping because they incorporate the screened intervals of the recovery wells and the vertical extent of the VOC plume. Water-level elevation maps for the July 6 and September 14, 1992 rounds are shown on Figures 1 through 3, and Figures 4 through 6, respectively. Geraghty & Miller also reviewed monthly pumpage records for the system and for the individual recovery wells.

Water-level elevation data and limiting flow lines presented on Figures 2, 3, 5, and 6 indicate that current system pumpage, which averages approximately 995 gallons per minute (gpm) when the recovery well system is fully operational, is sufficient to create and maintain a capture zone that exerts effective hydraulic control over the VOC plume, both horizontally and vertically.

JULY 1992 WATER-LEVEL ELEVATIONS

Contour maps depicting elevations of the water-table, and the shallow and deep potentiometric surfaces on July 6, 1992 are shown on Figures 1 through 3. Compared to earlier rounds conducted during the first quarter of the ground-water remediation system operation, as described in Geraghty & Miller's June 1992 report, entitled "Hydraulic Evaluation of the Ground-Water Remediation System, Old Bethpage Landfill, Old Bethpage, New York," (Geraghty & Miller, Inc. 1992a) water-level elevations from this round revealed similar ground-water flow directions across the site. In general, ground-water elevations observed in the July 6, 1992 round ranged from 72 ft above mean sea level (msl) (north of the site) to 56 ft above msl (south of the site), and the horizontal direction of ground-water flow was to the southeast across the site. This flow direction is similar to the regional flow direction reported by the U.S. Geological Survey (USGS).

The data presented on Figure 1 indicates a localized mounding of the water table immediately adjacent to the recharge basin, which receives treated water from the ground-water remediation system. Similar mounding was observed during the first quarter of system operation. Water-level elevation data for July 1992 show an overall decline of approximately 0.5 ft compared to data collected in June 1992, and a decline of approximately 3 to 4 ft compared to data collected in October 1991 (Geraghty & Miller, Inc. 1992a and 1992b).

SEPTEMBER 1992 WATER-LEVEL ELEVATIONS

Contour maps depicting elevations of the water-table, and the shallow and deep potentiometric surfaces on September 14, 1992 are shown on Figures 4 through 6. Compared to the July 6, 1992 round, water-level elevation data from the September round revealed similar ground-water flow directions across the site. In general, ground-water elevations observed in the September 14, 1992 round ranged from 70 ft above msl (north of the site) to 56 ft above msl (south of the site) and the horizontal direction of the flow was to the southeast across the site.

Localized mounding, immediately adjacent to the ground-water remediation system recharge basin, was also observed during this round (see Figure 4). Water-level elevation data for September 1992 show the same approximate declines in overall water-level elevations across the site as the July 1992 data.

GROUND-WATER SAMPLING AND CONTAMINANT DISTRIBUTION

In accordance with requirements of the RAP, Geraghty & Miller conducted a quarterly round of ground-water quality sampling at the site between July 7 and 10, 1992. The analytical parameters and results obtained are presented in Tables 4 through 6. Laboratory data reports for this round are provided in Appendix A.

Except as noted below, sample collection, equipment decontamination, and quality assurance/quality control (QA/QC) procedures used for the July 1992 round are identical to those used for previous site sampling events (Geraghty & Miller, Inc. 1986). Because Well 29A (upgradient monitoring well) and Observation Well OBS-1 are not equipped with dedicated sampling equipment, they were evacuated and sampled using a stainless-steel submersible pump and Teflon bailer, respectively.

Because the ground-water recovery system was designed to capture and treat the VOC portion of the landfill plume, this report focuses on the analysis of the VOC data. Analysis of the leachate (inorganic) portion of the landfill plume is limited to a comparison of previously reported inorganic data/plume dimensions. Specifically, data collected during the July 1992 round are compared to baseline data from July/August 1991 reported in 1992 by Geraghty & Miller (Geraghty & Miller, Inc. 1992b).

VOLATILE ORGANIC COMPOUND PLUME

VOCs detected in the July 1992 sampling round depict a pattern of ground-water contamination similar to that described in previous Geraghty & Miller reports (Geraghty & Miller, Inc. 1986 and 1992b), i.e., three groupings of VOCs located in specific portions of the study area. These include (1) volatile halogenated organics (VHOs), except tetrachloroethene, (2) aromatic hydrocarbons, and (3) tetrachloroethene.

Analytical results of the VOC samples collected during the July 1992 sampling round are described below. In the first VOC grouping, the most dominant compounds detected, in terms of occurence and concentration, were 1,2-dichloroethene; trichloroethene; and 1,1-dichloroethane. Other VHOs were also detected, but in fewer wells and typically in concentrations of less than 10 micrograms per liter (ug/L). Well 8A had the highest concentration of total VHOs detected, followed by Wells 7B and OBS-1. Concentrations of total VHOs detected in the July 1992 round were generally less than that detected in the baseline round. For example, concentrations of 1,1-dichloroethane ranged from not detected to 36 ug/L in the baseline round and ranged from not detected to 10 ug/L in the July 1992 round. In addition, concentrations of trichloroethene and vinyl chloride were generally lower in July 1992 compared to the baseline data. An exception to this pattern is 1,2-dichloroethene, which increased in concentration in Wells 5B, 6A, 8A, 7B, OBS-1, and 6E in July 1992 compared to the baseline data (Geraghty & Miller, Inc. 1986 and 1992b).

Figure 7 illustrates the approximate lateral extent of VHOs in July 1992. Compared to the approximate lateral extent of VHOs reported by Geraghty & Miller in July/August 1991 (the baseline round), the 1992 extent is similar to the 1991 extent.

The second VOC grouping, aromatic hydrocarbons consisting of benzene, ethylbenzene, chlorobenzene, p-dichlorobenzene, and o-dichlorobenzene), was detected in a more limited area than the first grouping of VOCs. The highest concentrations of aromatic hydrocarbons were detected in Well OBS-1 and Well Cluster 6. In general, total concentrations of aromatic hydrocarbons detected in the July 1992 round were less than those detected in the baseline round (Geraghty & Miller, Inc. 1992b). For example, concentrations of benzene ranged from not detected to 110 ug/L in July/August 1991 and ranged from not detected to 55 ug/L in the July 1992 round.

Figure 8 illustrates the approximate lateral extent of aromatic hydrocarbons in July 1992, which is similar to the approximate lateral extent of aromatic hydrocarbons reported by Geraghty & Miller in July/August 1991 (Geraghty & Miller, Inc. 1992b).

The third VOC grouping, tetrachloroethene, exhibits a very different distribution than the first two groupings of VOCs. Figure 9 illustrates the approximate lateral extent of tetrachloroethene in July 1992. This lateral extent for tetrachloroethene is similar to the two separate plumes (east and west) apparent from the July/August 1991 baseline data (Geraghty & Miller, Inc. 1992b). The western plume, which encompasses Well OBS-1, is slightly shorter than depicted in July/August 1991, and the eastern plume is slightly narrower along the southeastern plume border than depicted in July/August 1991. The highest concentration of tetrachloroethene was detected in Well 8A, followed by Wells 7B and OBS-1. Concentrations of tetrachloroethene detected in the July 1992 round were generally lower than in July/August 1991, except for Wells 6E and 7B, which increased from 1 ug/L to 2 ugL and from 140 ug/L to 230 ug/L, respectively (Geraghty & Miller, Inc. 1992b).

INORGANIC COMPOUND PLUME

Inorganic data collected during the July 1992 ground-water quality sampling round are summarized in Tables 5 and 6. As described in previous reports (Geraghty & Miller, Inc. 1986 and 1992b), the leachate (inorganic) portion of the landfill plume is a body of ground water that has been impacted by the dissolution of compounds derived from the decomposition of sanitary wastes placed in the landfill. The extent of the landfill leachate plume has previously been determined to be an area in which the following leachate indicators are present above background values in site monitoring wells: alkalinity, ammonia, chloride, hardness, iron, manganese, pH, potassium, specific conductance, and zinc. In general, leachate indicators detected in total (unfiltered) samples from the July 1992 round depict a similar distribution to the baseline round, i.e., the landfill leachate plume exhibits its greatest, approximate lateral extent in the middle zone (approximate elevation of the "B" wells, which is roughly equivalent to the shallow potentiometric zone) and its greatest, approximate thickness (approximately 200 ft) in Well Cluster 6. The highest levels of hardness, iron, alkalinity, chloride, pH, and specific conductance measured during the July 1992 round were found in Well Clusters 5 and 6. Ammonia, potassium, and specific conductance were detected at their highest values during the July 1992 round in Well 9C.

Manganese and zinc were detected at their highest concentrations in the July 1992 round in Well LF-1 and OBS-1, respectively. The most noticeable difference between the July 1992 and baseline rounds is that alkalinity increased from 8 milligrams per liter (mg/L) in the baseline round to 615 mg/L in the July 1992 round (Well 5B).

POSSIBLE SOURCES OF VOLATILE ORGANIC COMPOUNDS

As previously described by Geraghty & Miller (Geraghty & Miller, Inc. 1986 and 1992a), historical water-quality data for the site indicates that a portion of the observed VOC contamination may be potentially attributable to sources upgradient of the off-site monitoring wells, including the industrial area north of the Bethpage State Park (which includes the Claremont Polychemical site, a U.S. Environmental Protection Agency [USEPA] National Priority List site) and the Nassau County Fireman's Training Center, located northwest of the Bethpage State Park.

Although the monitoring wells sampled for the baseline and July 1992 monitoring rounds were installed to identify contamination attributable to the Old Bethpage Landfill, the distribution of VOCs and the ground-water flow direction measured support the findings of Geraghty & Miller's 1986 and 1992 reports that a portion of the VOC contamination detected at the site may be attributable to upgradient sources. In general, a comparison of baseline and July 1992 water-quality data indicate an overall increase in the concentrations of VHOs and a slight decrease in the concentrations of aromatic hydrocarbons and tetrachloroethene from upgradient sources. For example, the concentrations of total VHOs in Wells 5B, 7B, 8A, and OBS-1 (which are located downgradient of these potential sources) increased between the baseline and July 1992 rounds. In addition, benzene and tetrachloroethene detected in the baseline round at maximum concentrations of 110 ug/L (Well OBS-1) and 440 ug/L (Well 8A), were detected in the July 1992 round at maximum concentrations of 55 ug/L (Well OBS-1) and 360 ug/L (Well 8A), respectively. Exceptions to these general patterns may be due to pumpage from the adjacent recovery wells.

FINDINGS

1. Data presented on Figures 2, 3, 5, and 6 indicate that current system pumpage, which averages approximately 995 gpm when the recovery well system is fully operational, is sufficient to create and maintain a capture zone that exerts effective hydraulic control over the VOC plume, both horizontally and vertically.

2. Pumpage data indicate that the ground-water recovery system was fully operational for approximately 67 days of the 107-day reporting period.

3. An overall decline in water-level elevation of approximately 0.5 ft was observed between the June 12, 1992 and the July 6, 1992 water-level measurement rounds. An overall decline in water-level elevation of approximately 0.5 ft was also observed between the June 12, 1992 and the September 14, 1992 water-level measurement rounds. An approximate 3 ft to 4 ft overall decline in water-level elevation was observed between the baseline October 31, 1991 water-level measurement round and the September 14, 1992 round (Geraghty & Miller, Inc. 1992a and 1992b).

4. Data presented on Figures 1 and 4 indicate a localized mounding of the water table immediately adjacent to the recharge basin, which receives treated water from the ground-water remediation system.

5. Although a few exceptions exist, in general, concentrations of VOCs detected in the July 1992 round are lower than concentrations of VOCs detected in the baseline round.

6. Concentrations of inorganic compounds detected in the July 1992 round are similar to those detected in the baseline round.

RECOMMENDATIONS

1. Monthly hydraulic monitoring should be continued for a minimum of seven additional months (total period of 1 year) to determine/evaluate mounding effects, seasonal effects on capture zones, and when the system has reached equilibrium.

2. Modification to system pumpage is not recommended at this time. Recovery wells should continue to be pumped at their present rate.

REFERENCES

Geraghty & Miller, Inc. 1986. OBSWDC Offsite Ground-Water Monitoring Program, Old Bethpage, Long Island, New York.

Geraghty & Miller, Inc. June 1992a. Hydraulic Evaluation of the Ground-Water Remediation System, Old Bethpage Landfill, Old Bethpage, New York.

Geraghty & Miller, Inc. June 1992b. Baseline Water-Level Elevation and Ground-Water Quality Report, Old Bethpage Landfill Ground-Water Remediation Program, Old Bethpage, New York.

Ott, Donald. Farmingdale Water District. September 16, 1992 Verbal Communication with Mr. Bill Conroy, Geraghty & Miller, Inc.

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Table 1. Water-Level Data Collected on July 6, 1992, Old Bethpage Landfill, Old Bethpage, New York.

Well Designation	Time	Elevation of Measuring Point (feet above mean sea level)	Depth to Water (feet below measuring point)	Water-Level Elevation (feet above mean sea level)	Remarks
5A		137.13	72.53	64.60	
5B		138.43	73.74	64.69	
6A		160.24	95.78	64.46	
6B		160.39	95.98	64.41	
6C		159.99	95.56	64.43	
6D		160.39	96.07	64.32	
6E		160.88	96.55	64.33	
6F		159.88	95.96	63.92	
7A		148.44	87.74	60.70	
7B		147.94	88.64	59.30	
8A		134.94	69.15	65.79	
8B		134.24	68.42	65.82	
8C		135.72	70.12	65.60	
9A		153.35	91.23	62.12	
9B		153.28	92.50	60.78	
9C		153.53	93.62	59.91	
9D		152.95	92.21	60.74	
10A		161.28	96.99	64.29	
10B		161.12	97.22	63.90	
10C		160.27	96.36	63.91	
10D		161.17	97.31	63.86	
11A		80.19	23.85	56.34	
11B		79.91	23.68	56.23	
M-29A		158.56	86.51	72.05	
M-29B		157.41	84.94	72.47	
M-30A		151.20	80.53	70.67	
M-30B		155.65	84.18	71.47	
N-9980		80.46	24.94	55.52	
LF-1		111.40	45.00	66.40	
LF-2		118.70	52.14	66.56	
LF-3		126.50	57.77	68.73	
LF-4		149.93	79.60	70.33	
OBS-1		110.20	49.54	60.66	
OBS-2		105.26	45.83	59.43	
RW-1		110.94	55.91	55.03	Pumping
RW-2		145.31	91.04	54.27	Pumping
RW-3		120.92	69.55	51.37	Pumping
RW-4		144.82	89.22	55.60	Pumping
RW-5		149.74	93.58	56.16	Pumping
TW-1		121.12	51.60	69.52	
TW-2		117.52	50.70	66.82	
TW-3		122.94	56.15	66.79	
Farm W.D. 1-3		--	NA	--	N7852
Farm W.D. 2-2		--	NA	--	N6644
Recharge Basin		--	NA	--	Staff Gauge

-- Elevation unknown.

NA Well was not accessible for water-level measurements.

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Table 2. Water-Level Data Collected on September 14, 1992, Old Bethpage Landfill, Old Bethpage, New York.

Well Designation	Time	Elevation of Measuring Point (feet above mean sea level)	Depth to Water (feet below measuring point)	Water-Level Elevation (feet above mean sea level)	Remarks
5A	14:29	137.13	73.05	64.08	
5B	14:31	138.43	74.38	64.05	
6A	14:02	160.24	96.26	63.98	
6B	14:03	160.39	96.45	63.94	
6C	14:08	159.99	96.00	63.99	
6D	14:07	160.39	96.55	63.84	
6E	14:12	160.88	97.02	63.86	
6F	14:10	159.88	96.44	63.44	
7A	11:49	148.44	87.45	60.99	
7B	11:51	147.94	88.72	59.22	
8A	13:16	134.94	69.78	65.16	
8B	13:17	134.24	69.06	65.18	
8C	13:18	135.72	70.71	65.01	
9A	11:31	153.35	91.23	62.12	
9B	11:32	153.28	92.70	60.58	
9C	11:33	153.53	93.92	59.61	
9D	11:35	152.95	92.47	60.48	
10A	12:14	161.28	97.23	64.05	
10B	12:16	161.12	97.47	63.65	
10C	12:19	160.27	96.63	63.64	
10D	12:20	161.17	97.60	63.57	
11A	14:49	80.19	23.73	56.46	
11B	14:48	79.91	23.53	56.38	
M-29A	10:52	158.56	87.73	70.83	
M-29B	10:50	157.41	87.76	69.65	
M-30A	10:46	151.20	82.37	68.83	
M-30B	10:48	155.65	86.63	69.02	
N-9980	15:04	80.46	24.75	55.71	
LF-1	11:17	111.40	45.84	65.56	
LF-2	10:58	118.70	52.96	65.74	
LF-3	11:04	126.50	58.86	67.64	
LF-4	15:16	149.93	81.12	68.81	
OBS-1	11:25	110.20	49.81	60.39	
OBS-2	11:57	105.26	45.90	59.36	
RW-1	12:37	110.94	55.45	55.49	Pumping
RW-2	12:45	145.31	92.13	53.18	Pumping
RW-3	12:51	120.92	69.70	51.22	Pumping
RW-4	13:01	144.82	89.90	54.92	Pumping
RW-5	12:28	149.74	93.50	56.24	Pumping
TW-1	10:43	121.12	52.65	68.47	
TW-2	10:34	117.52	51.72	65.80	
TW-3	9:47	122.94	57.15	65.79	
Farm W.D. 1-3 (3)	NA	--	27.0 (1)	--	
Farm W.D. 2-2 (3)	NA	--	65.0 (1)	--	
Farm W.D. 2-3 (3)	NA	--	39.0 (1)	--	
Recharge Basin	15:30	119.00	0.70 (2)	118.30	Staff Gauge

NA Not available.
-- Elevation unknown.
(1) Static depth to water.
(2) Distance below measuring point on staff gauge.
(3) Accuracy of water-level measurement +/- 1 foot. Source: Don Ott, Farmingdale Water District, September 16, 1992.

Table 3. Well Construction Details, Old Bethpage Landfill, Old Bethpage, New York.

Well Designation	Well Diameter (inches)	Approximate Total Depth of Well (feet below land surface)	Measuring Point Stickup (feet relative to land surface)	Measuring Point Elevation (feet above mean sea level)	Approximate Screen Interval (feet below land surface)	Approximate Elevation of Screen Zone (relative to msl)	Water-Level Map
5A	4	90	1.24	137.13	85-90	51-46	Water Table
5B	4	117	1.51	138.43	112-117	25-20	Shallow Potentiometric
6A	4	105	1.38	160.24	100-105	59-54	Water Table
6B	4	140	1.59	160.39	135-140	24-19	Shallow Potentiometric
6C	4	160	1.53	159.99	155-160	3-(-2)	Shallow Potentiometric (a)
6D	4	190	1.46	160.39	185-190	(-26)-(-31)	--
6E	4	250	1.48	160.88	245-250	(-86)-(-91)	Deep Potentiometric
6F	4	350	1.56	159.88	345-350	(-187)-(-192)	--
7A	4	90	1.52	148.44	75-90	72-57	Water Table
7B	4	235	1.04	147.94	230-235	(-83)-(-88)	Deep Potentiometric
8A	4	90	1.26	134.94	85-90	49-44	Water Table
8B	4	160	1.35	134.24	155-160	(-22)-(-27)	Shallow Potentiometric
8C	4	250	1.35	135.72	245-250	(-111)-(-116)	Deep Potentiometric
9A	4	93	1.30	153.35	78-93	74-59	Water Table
9B	4	168	1.20	153.28	163-168	(-11)-(-16)	Shallow Potentiometric
9C	4	225	1.39	153.53	220-225	(-68)-(-73)	Deep Potentiometric
9D	4	316	1.44	152.95	311-316	(-160)-(-165)	--
10A	4	105	1.15	161.28	100-105	60-55	Water Table
10B	4	178	1.34	161.12	173-178	(-13)-(-18)	Shallow Potentiometric
10C	4	278	0.39	160.27	273-278	(-113)-(118)	Deep Potentiometric
10D	4	314	1.27	161.17	309-314	(-149)-(-154)	Deep Potentiometric (a)
11A	4	140	1.31	80.19	135-140	(-56)-(-61)	--
11B	4	235	1.47	79.91	230-235	(-152)-(-157)	Deep Potentiometric
M-29A	2	89	1.2	158.26	NA	NA	Water Table
M-29B	2	97	2.4	157.41	NA	NA	Water Table
M-30A	2	90	1.7	151.20	NA	NA	Water Table
M-30B	2	98	2.1	155.65	NA	NA	Water Table

See page 2 for footnotes.

Table 3. Well Construction Details, Old Bethpage Landfill, Old Bethpage, New York.

Well Designation	Well Diameter (inches)	Approximate Total Depth of Well (feet below land surface)	Measuring Point Stickup (feet relative to land surface)	Measuring Point Elevation (feet above mean sea level)	Approximate Screen Interval (feet below land surface)	Approximate Elevation of Screen Zone (relative to msl)	Water-Level Map
N9980	3	58	0.0	80.46	50-55	30-25	Water Table and Shallow Potentiometric
OBS-1	4	195	NA	110.20	175-195	(-67)-(87)	Deep Potentiometric
OBS-2	4	190	NA	105.26	170-195	(-67)-(87)	Deep Potentiometric
LF-1	6	107	NA	111.40	102-107	8-3	Shallow Potentiometric
LF-2	6	115	NA	118.70	110-115	8-3	Shallow Potentiometric
LF-3	6	115	NA	126.50	110-115	16-11	Shallow Potentiometric
LF-4	6	123	NA	149.93	118-123	31-26	Shallow Potentiometric
RW-1	10	245	(-6.5)	110.94	140-245	(-23)-(-128)	Shallow and Deep Potentiometric
RW-2	10	271	(-6.46)	145.31	(b)	(c)	Shallow and Deep Potentiometric
RW-3	10	255	(-6.38)	120.92	163-255	(-36) - (-128)	Shallow and Deep Potentiometric
RW-4	10	250	(-6.49)	144.82	147-250	4 - (-99)	Shallow and Deep Potentiometric
RW-5	10	263	(-6.46)	149.74	153-263	3 - (-107)	Shallow and Deep Potentiometric
TW-1	2	58	2.14	121.12	43-58	76-61	Water Table
TW-2	2	58	2.17	117.52	43-58	72-57	Water Table
TW-3	2	59	1.79	122.94	44-59	77-62	Water Table

Water-Table	Wells screened between 76 feet to 43 feet above msl.
Shallow Potentiometric	Wells screened between 30 feet above msl to 30 feet below msl.
Deep Potentiometric	Wells screened between 65 feet to 157 feet below msl.

NA Not available.
-- Not applicable.
msl Mean sea level.
(a) This well was not used in water-level mapping.
(b) Screen interval is 149-169, 199-220, and 230-271 feet below land surface.
(c) Elevation of screen zone is 3-(-17); (-47)-(-68); and (-78)-(-119) feet relative to mean sea level.

Table 4. Results of Analyses for Volatile Organic Compounds in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation: Sample Date: Parameter (concentrations in ug/L)	5B 7/9/92	6A 7/10/92	6B 7/8/92	6C 7/8/92	6C-Rep 7/8/92	6E 7/8/92
Chloromethane	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<2	**3**	<2	<2	<2	<2
Vinyl chloride	<1	<1	<1	<1	<1	**2**
Chloroethane	<1	<1	<1	<1	<1	<1
Methylene chloride	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	**2**	<1	<1	<1	<1	**10**
1,2-Dichloroethene	**1**	**2**	<1	<1	<1	**20**
Chloroform	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	<2	<2	<2	<2	<2	<1
Trichloroethylene	<1	<1	<1	<1	<1	**2**
Chlorodibromomethane	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	<2	<2	<2	<2	<2	<2
2-Chloroethylvinylether	<2	<2	<2	<2	<2	<2
Bromoform	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	<2	<2	<2	<2	<2	<2
Tetrachloroethene	<1	<1	<1	<1	<1	**2**
Chlorobenzene	**2**	<2	**5**	**6**	**6**	**6**
1,3-Dichlorobenzene	<2	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	<2	<2	**7**	**2**	**2**	<2
1,4-Dichlorobenzene	**7**	<2	**17**	**5**	**5**	**11**
Benzene	**3**	<1	**9**	**8**	**7**	**1**
Toluene	<2	<2	<2	<2	<2	<2
Ethyl benzene	<1	<1	<1	<1	<1	<1
m-Xylene	<2	<2	<2	<2	<2	<2
o+p-Xylene	<4	<4	<4	<4	<4	<4
Total VOCs	**15**	**5**	**38**	**21**	**20**	**54**

ug/L Micrograms per liter.
VOCs Volatile organic compounds.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

VOCOPER1.XLS

Table 4. Results of Analyses for Volatile Organic Compounds in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation:	6F	7B	8A	8B	9B	9C
Sample Date:	7/8/92	7/7/92	7/8/92	7/8/92	7/7/92	7/7/92
Parameter (concentrations in ug/L)						
Chloromethane	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2
Vinyl chloride	<1	**6**	**2**	<1	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1
Methylene chloride	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	<1	<1	**2**	<1	<1	<1
1,1-Dichloroethane	<1	**4**	**5**	<1	<1	**1**
1,2-Dichloroethene	<1	**57**	**250**	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	<1	**3**	**12**	**13**	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	<2	<2	<2	<2	<2	<2
Trichloroethylene	<1	**13**	**25**	**13**	<1	<1
Chlorodibromomethane	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	<2	<2	<2	<2	<2	<2
2-Chloroethylvinylether	<2	<2	<2	<2	<2	<2
Bromoform	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	<2	<2	<2	<2	<2	<2
Tetrachloroethene	<1	**230**	**360**	<1	<1	<1
Chlorobenzene	<2	<2	<2	<2	<2	**3**
1,3-Dichlorobenzene	<2	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	<2	<2	<2	<2	<2	**4**
1,4-Dichlorobenzene	<2	<2	<2	<2	<2	**9**
Benzene	<1	<1	<1	<1	<1	**2**
Toluene	<2	<2	<2	<2	<2	<2
Ethyl benzene	<1	<1	<1	<1	<1	<1
m-Xylene	<2	<2	<2	<2	<2	<2
o+p-Xylene	<4	<4	<4	<4	<4	<4
Total VOCs	**0**	**313**	**656**	**26**	**0**	**19**

ug/L Micrograms per liter.
VOCs Volatile organic compounds.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

VOCOPER1.XLS

Table 4. Results of Analyses for Volatile Organic Compounds in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation:	11A	11B	OBS-1	M-29A	Field Blank 1	Field Blank 2
Sample Date:	7/9/92	7/9/92	7/9/92	7/7/92	7/7/92	7/9/92
Parameter (concentrations in ug/L)						
Chloromethane	<1	<1	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1	<1	<1
Dichlorodifluoromethane	<2	<2	<2	<2	<2	<2
Vinyl chloride	<1	<1	**4**	**1**	<1	<1
Chloroethane	<1	<1	<1	<1	<1	<1
Methylene chloride	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	**2**	<1	<1	<1
1,2-Dichloroethene	<1	<1	**25**	<1	<1	<1
Chloroform	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	**8**	<1	<1	<1
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<2	<1	<1	<1
trans-1,3-Dichloropropene	<2	<2	<2	<2	<2	<2
Trichloroethylene	<1	<1	**3**	<1	<1	<1
Chlorodibromomethane	<2	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	<2	<2	<2	<2	<2	<2
2-Chloroethylvinylether	<2	<2	<2	<2	<2	<2
Bromoform	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	<2	<2	<2	<2	<2	<2
Tetrachloroethene	<1	<1	**13**	**2**	<1	<1
Chlorobenzene	<2	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	<2	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	<2	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	<2	<2	<2	<2	<2	<2
Benzene	<1	<1	**55**	<1	<1	<1
Toluene	<2	<2	<2	<2	<2	<2
Ethyl benzene	<1	<1	<1	<1	<1	<1
m-Xylene	<2	<2	<2	<2	<2	<2
o+p-Xylene	<4	<4	<4	<4	<4	<4
Total VOCs	**0**	**0**	**110**	**3**	**0**	**0**

ug/L Micrograms per liter.
VOCs Volatile organic compounds.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

Table 4. Results of Analyses for Volatile Organic Compounds in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation:	Trip Blank 1	Trip Blank 2	Trip Blank 3	Trip Blank 4
Sample Date:	7/7/92	7/8/92	7/9/92	7/10/92
Parameter (concentrations in ug/L)				
Chloromethane	<1	<1	<1	<1
Bromomethane	<1	<1	<1	<1
Dichlorodifluoromethane	<2	<2	<2	<2
Vinyl chloride	<1	<1	<1	<1
Chloroethane	<1	<1	<1	<1
Methylene chloride	<1	<1	<1	<1
Trichlorofluoromethane	<2	<2	<2	<2
1,1-Dichloroethene	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1
1,2-Dichloroethene	<1	<1	<1	<1
Chloroform	<1	<1	<1	<1
1,2-Dichloroethane	<1	<1	<1	<1
1,1,1-Trichloroethane	<1	<1	<1	<1
Carbon tetrachloride	<1	<1	<1	<1
Bromodichloromethane	<1	<1	<1	<1
1,2-Dichloropropane	<1	<1	<1	<1
trans-1,3-Dichloropropene	<2	<2	<2	<2
Trichloroethylene	<1	<1	<1	<1
Chlorodibromomethane	<2	<2	<2	<2
1,1,2-Trichloroethane	<2	<2	<2	<2
cis-1,3-Dichloropropene	<2	<2	<2	<2
2-Chloroethylvinylether	<2	<2	<2	<2
Bromoform	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	<2	<2	<2	<2
Tetrachloroethene	<1	<1	<1	<1
Chlorobenzene	<2	<2	<2	<2
1,3-Dichlorobenzene	<2	<2	<2	<2
1,2-Dichlorobenzene	<2	<2	<2	<2
1,4-Dichlorobenzene	<2	<2	<2	<2
Benzene	<1	<1	<1	<1
Toluene	<2	<2	<2	<2
Ethyl benzene	<1	<1	<1	<1
m-Xylene	<2	<2	<2	<2
o+p-Xylene	<4	<4	<4	<4
Total VOCs	**0**	**0**	**0**	**0**

ug/L Micrograms per liter.
VOCs Volatile organic compounds.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

Table 5. Results of Analyses for Dissolved (Filtered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation: Sample Date: Parameter (concentrations in mg/L)	5B 7/9/92	6A 7/10/92	6B 7/8/92	6C 7/8/92	6C-Rep 7/8/92	6E 7/8/92
Aluminum	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Copper	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005	<0.005	<0.005	**0.010**
Manganese	**0.65**	**0.04**	**0.45**	**0.25**	**0.24**	**0.71**
Nickel	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	**280**	**4.2**	**200**	**160**	**160**	**29**
Zinc	<0.02	**0.06**	<0.02	<0.02	<0.02	**0.06**
Chromium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025
Potassium	**82**	**0.66**	**98**	**82**	**89**	**9.1**
Magnesium	**32**	**1.5**	**10**	**21**	**20**	**17**
Calcium	**28**	**1.9**	**7.9**	**20**	**20**	**34**
Barium	**0.10**	<0.05	**0.06**	**0.08**	**0.08**	**0.26**
Iron	<0.05	<0.05	**6.6**	**26**	**25**	**0.80**

mg/L Milligrams per liter.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

Table 5. Results of Analyses for Dissolved (Filtered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation: / Sample Date: / Parameter (concentrations in mg/L)	6F 7/8/92	7B 7/7/92	8A 7/8/92	8B 7/8/92	9B 7/7/92	9C 7/7/92
Aluminum	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Copper	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese	**0.02**	**0.16**	**0.20**	**1.0**	**0.26**	**0.20**
Nickel	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	**42**	**33**	**10**	**28**	**14**	**230**
Zinc	<0.02	<0.02	<0.02	**0.06**	**0.03**	<0.02
Chromium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	<0.00025	<0.001	<0.00025	<0.00025	**0.0017**	<0.001
Potassium	**2.0**	**2.3**	**3.3**	**14**	**5.4**	**120**
Magnesium	**7.9**	**7.8**	**5.0**	**11**	**7.2**	**22**
Calcium	**18**	**13**	**15**	**32**	**11**	**10**
Barium	**0.09**	**0.10**	**0.07**	**0.27**	**0.08**	**0.10**
Iron	<0.05	<0.05	**0.08**	**0.50**	<0.05	<0.05

mg/L Milligrams per liter.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

Table 5. Results of Analyses for Dissolved (Filtered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation:	11A	11B	LF-1	OBS-1	M-29A
Sample Date:	7/9/92	7/9/92	7/9/92	7/9/92	7/7/92
Parameter (concentrations in mg/L)					
Aluminum	<0.20	<0.20	<0.20	<0.20	<0.20
Copper	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005	**0.009**	<0.005
Manganese	<0.02	<0.02	**1.8**	**0.19**	**5.6**
Nickel	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	**4.5**	**4.0**	**72**	**10**	**48**
Zinc	<0.02	<0.02	<0.02	**0.77**	**0.05**
Chromium	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	<0.00025	<0.00025	<0.00025	<0.00025	<0.001
Potassium	**0.63**	**0.64**	**60**	**2.0**	**5.9**
Magnesium	**1.1**	**0.82**	**18**	**7.6**	**15**
Calcium	**1.7**	**1.5**	**14**	**7.3**	**28**
Barium	<0.05	<0.05	**0.11**	<0.05	**0.39**
Iron	<0.05	<0.05	**0.61**	<0.05	**0.65**

mg/L Milligrams per liter.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

Table 6. Results of Analyses for Total (Unfiltered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation:	5B	6A	6B	6C	6C-Rep	6E
Sample Date:	7/9/92	7/10/92	7/8/92	7/8/92	7/8/92	7/8/92
Parameter (concentrations in mg/L)						
Aluminum	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Copper	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005	<0.005	<0.005	**0.006**
Manganese	**0.64**	**0.04**	**0.47**	**0.25**	**0.25**	**0.71**
Nickel	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	**280**	**4.1**	**190**	**160**	**150**	**30**
Zinc	<0.02	**0.07**	<0.02	<0.02	<0.02	**0.07**
Chromium hex	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	<0.00025	<0.00025	<0.00025	<0.00025	<0.00025	**0.00045**
Potassium	**81**	**0.65**	**96**	**81**	**79**	**9.1**
Magnesium	**33**	**1.6**	**9.4**	**20**	**20**	**17**
Calcium	**30**	**1.9**	**7.9**	**20**	**20**	**34**
Total dissolved solids	**1200**	**30**	**810**	**730**	**720**	**390**
Nitrate	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate	**45**	<5	**6**	**11**	**14**	**11**
Carbonate Alk	**0**	**0**	**0**	**0**	**0**	**0**
Total Kjeldahl N.	**80**	**0.8**	**71**	**63**	**63**	**4.4**
Nitrogen	**80**	**0.8**	**71**	**63**	**63**	**4.4**
Bicarb. Alk	**615**	**14**	**500**	**450**	**450**	**6**
Cyanide	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenols	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium	**0.10**	<0.05	**0.07**	**0.08**	**0.08**	**0.26**
Chloride	**380**	**8**	**250**	**240**	**250**	**160**
Ammonia	**75**	<0.05	**69**	**62**	**61**	**3.6**
Iron	**0.07**	<0.05	**23**	**26**	**26**	**0.79**
Hardness	**210**	**11**	**58**	**130**	**130**	**150**
Alkalinity Total	**615**	**14**	**500**	**450**	**450**	**6**

mg/L Milligrams per liter.
NA Not analyzed.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

Table 6. Results of Analyses for Total (Unfiltered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation:	6F	7B	8A	8B	9B	9C
Sample Date:	7/8/92	7/7/92	7/8/92	7/8/92	7/7/92	7/7/92
Parameter (concentrations in mg/L)						
Aluminum	<0.20	**0.32**	<0.20	<0.20	<0.20	**0.29**
Copper	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Lead	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese	**0.03**	**0.17**	**0.21**	**1.0**	**0.23**	**0.21**
Nickel	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	**44**	**34**	**10**	**29**	**15**	**230**
Zinc	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium hex	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chromium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	<0.00025	<0.001	<0.00025	<0.00025	**0.0019**	<0.001
Potassium	**2.0**	**2.4**	**3.4**	**14**	**5.5**	**120**
Magnesium	**7.8**	**7.8**	**4.9**	**10**	**7.5**	**20**
Calcium	**19**	**13**	**15**	**33**	**11**	**10**
Total dissolved solids	**310**	**240**	**140**	**410**	**150**	**1000**
Nitrate	**0.5**	**2.2**	<0.5	<0.5	**3.7**	<0.5
Sulfate	<5	**7**	**28**	**17**	**35**	**15**
Carbonate Alk	**0**	**0**	**0**	**0**	**0**	**0**
Total Kjeldahl N.	**2.8**	**3.2**	**2.8**	**3.8**	**3.8**	**105**
Nitrogen	**3.3**	**5.6**	**2.8**	**3.8**	**7.5**	**105**
Bicarb. Alk	**2**	**10**	**22**	**4**	**7**	**590**
Cyanide	<0.02	**0.02**	**21**	<0.02	**0.04**	<0.02
Phenols	<0.001	<0.001	<0.001	<0.001	**0.007**	<0.001
Barium	**0.09**	**0.11**	**0.07**	**0.27**	**0.08**	**0.09**
Chloride	**120**	**86**	**27**	**140**	**30**	**370**
Ammonia	<0.05	<0.05	**1.3**	**3.6**	**0.93**	**99**
Iron	<0.05	**0.28**	**0.13**	**0.50**	<0.05	**0.07**
Hardness	**79**	**65**	**59**	**120**	**58**	**110**
Alkalinity Total	**2**	**10**	**22**	**4**	**7**	**590**

mg/L Milligrams per liter.
NA Not analyzed.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

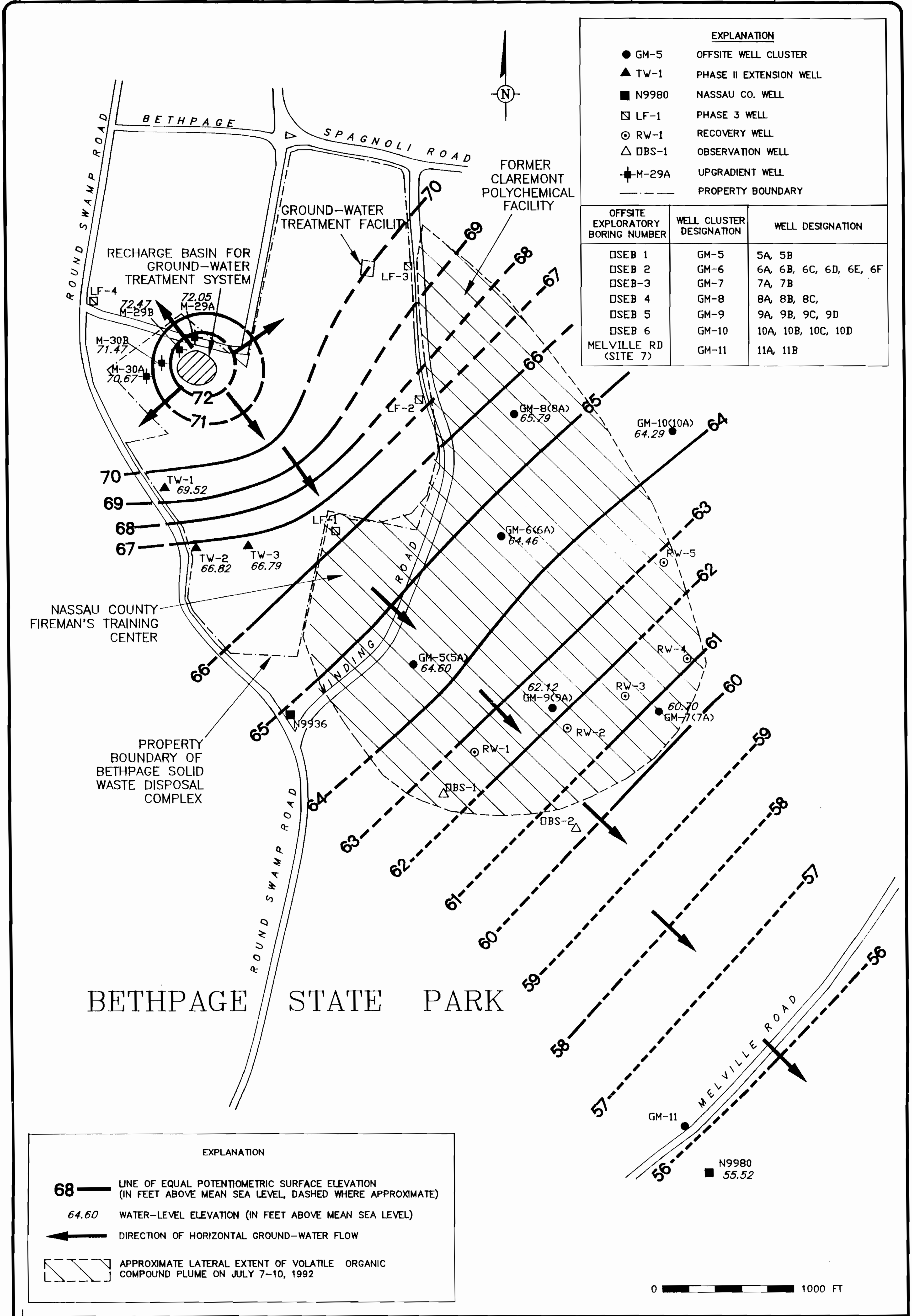
Table 6. Results of Analyses for Total (Unfiltered) Metals in Water Samples, Second Quarter (Operational Period), July 7 Through July 10, 1992, Old Bethpage Landfill Solid Waste Disposal Complex, Old Bethpage, New York.

Sample Designation: / Sample Date: / Parameter (concentrations in mg/L)	11A 7/9/92	11B 7/9/92	OBS-1 7/9/92	M-29A 7/7/92	LF-1 7/9/92
Aluminum	<0.20	<0.20	<0.20	**9.0**	NA
Copper	<0.02	<0.02	<0.02	**0.06**	NA
Lead	<0.005	<0.005	**0.023**	**0.041**	NA
Manganese	<0.02	<0.02	**0.20**	**6.3**	**1.8**
Nickel	<0.10	<0.10	<0.10	<0.10	NA
Sodium	**4.5**	**3.8**	**11**	**44**	**74**
Zinc	<0.02	<0.02	**0.73**	**0.05**	NA
Chromium hex	<0.02	<0.02	<0.02	<0.02	NA
Chromium	<0.005	<0.005	<0.005	**0.04**	NA
Mercury	<0.00025	<0.00025	<0.00025	**0.0018**	NA
Potassium	**0.61**	**0.57**	**2.0**	**7.2**	**60**
Magnesium	**1.1**	**0.76**	**7.3**	**15**	NA
Calcium	**1.7**	**1.6**	**7.9**	**25**	**14**
Total dissolved solids	**41**	**35**	**120**	**330**	**470**
Nitrate	**2.6**	**1.7**	**1.0**	**1.0**	<0.5
Sulfate	<5	<5	**19**	**30**	**23**
Carbonate Alk	**0**	**0**	**0**	**0**	**0**
Total Kjeldahl N.	**1.2**	**0.8**	**2.2**	**6.2**	**56**
Nitrogen	**3.8**	**2.5**	**3.2**	**7.2**	NA
Bicarb. Alk	**2**	**2**	**22**	**84**	**400**
Cyanide	<0.02	<0.02	<0.02	<0.02	NA
Phenols	**0.005**	<0.001	**0.005**	<0.001	NA
Barium	<0.05	<0.05	<0.05	**0.41**	NA
Chloride	**7**	**7**	**20**	**110**	**110**
Ammonia	<0.05	<0.05	**0.30**	**1.9**	**52**
Iron	**0.06**	<0.05	**0.82**	**26**	**0.77**
Hardness	**8.6**	**7.0**	**50**	**120**	**110**
Alkalinity Total	**2**	**2**	**22**	**84**	**400**

mg/L Milligrams per liter.
NA Not analyzed.

All analyses performed by EcoTest Laboratories, North Babylon, New York.

DWG DATE: 8-24--92 | PRJCT NO.: NY02807 | FILE NO.: 1492 | DRAWING: 7-92-WT | CHECKED: BC | APPROVED: CSG | DRAFTER: GS



OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

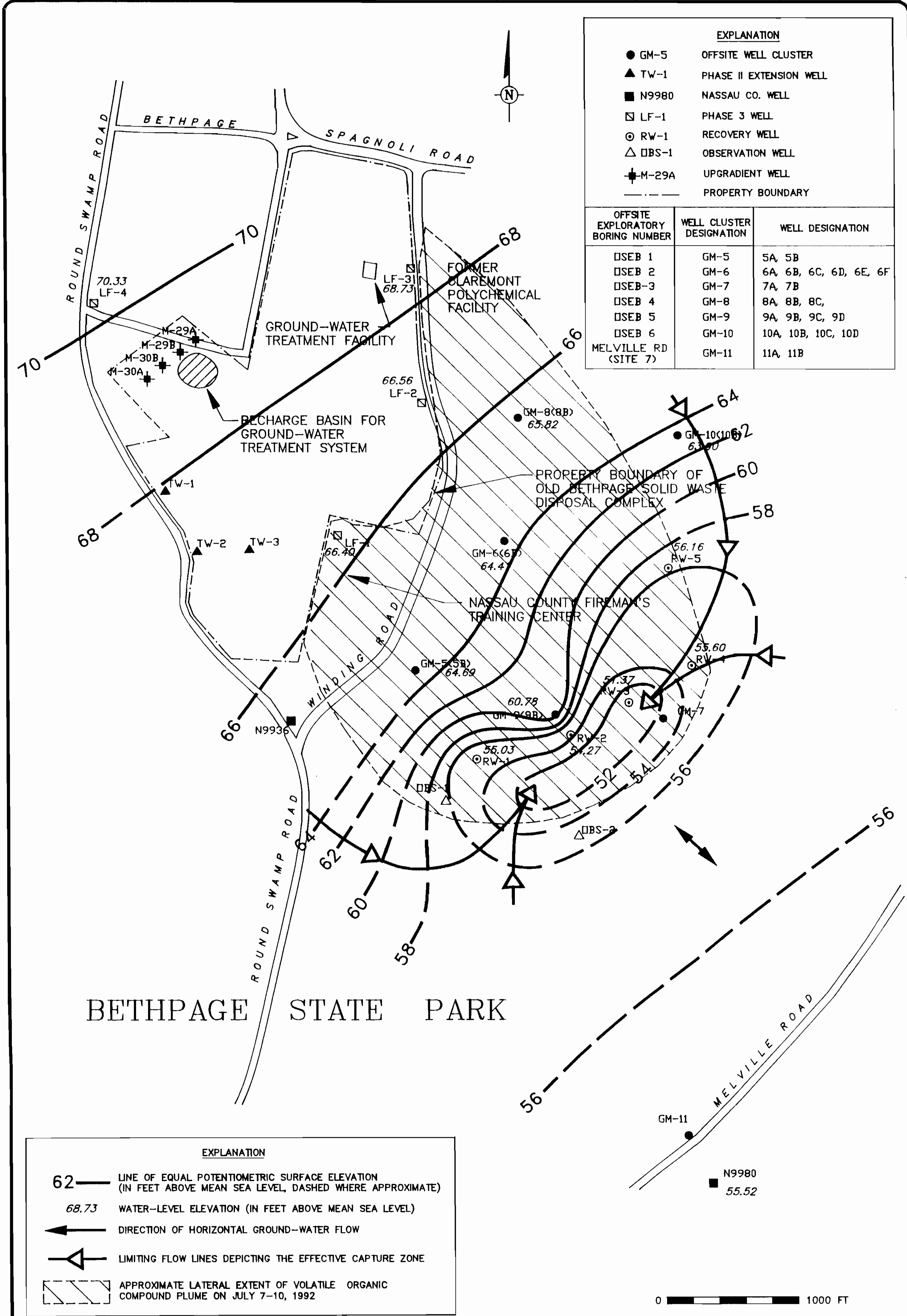
GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE WATER TABLE SURFACE ON JULY 6, 1992 IN THE VICINITY OF THE OLD BETHPAGE LANDFILL

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE 1

DWG DATE: 9/21/92 | PRJCT NO.: NY02807 | FILE NO.: 1492 | DRAWING: SHAL7692 | CHECKED: BC | APPROVED: CSG | DRAFTER: VC/GS



OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

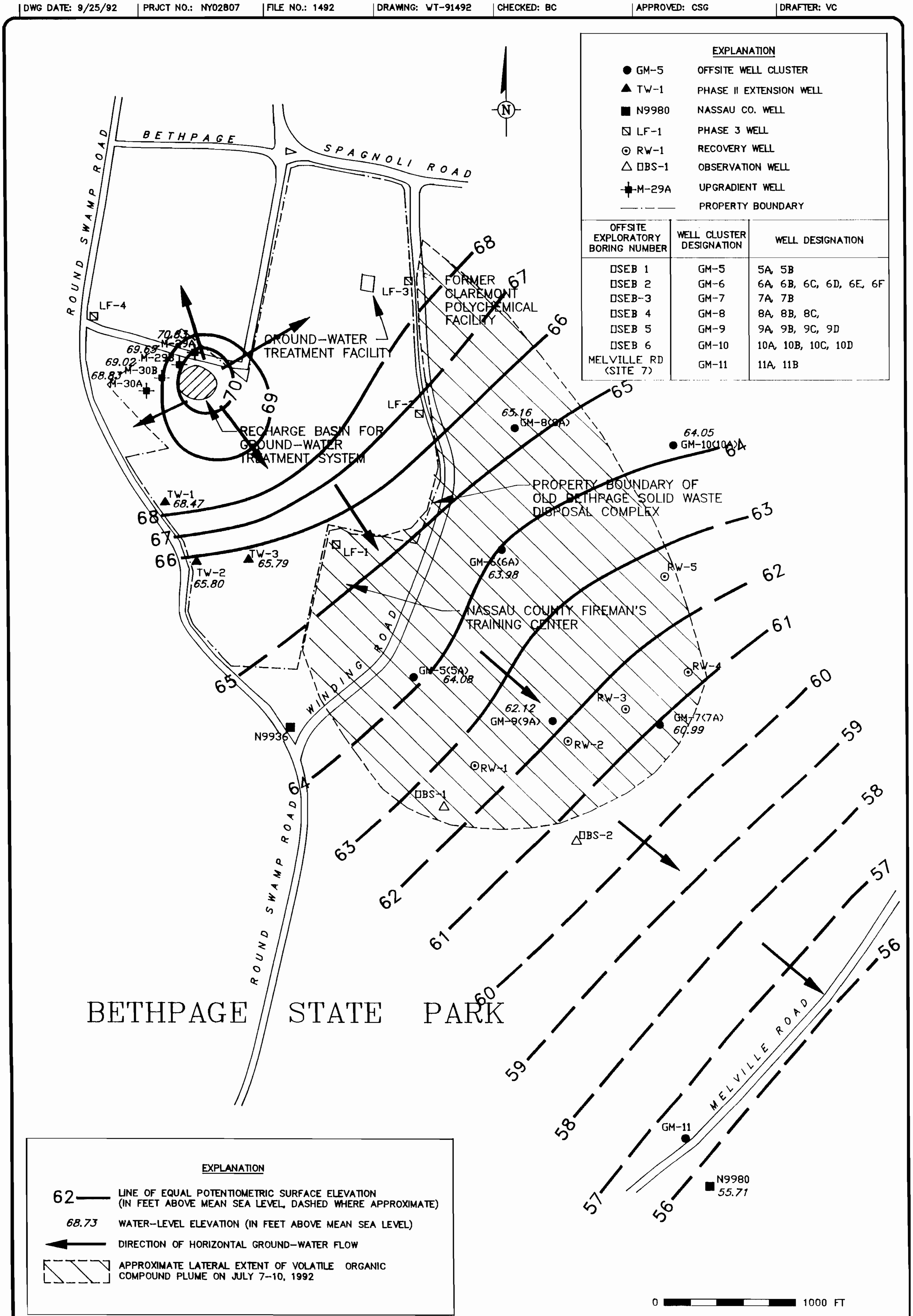
GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE SHALLOW POTENTIOMETRIC SURFACE ON JULY 6, 1992 IN THE VICINITY OF THE OLD BETHPAGE LANDFILL

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE 2

DWG DATE: 9/25/92 | PRJCT NO.: NY02807 | FILE NO.: 1492 | DRAWING: WT-91492 | CHECKED: BC | APPROVED: CSG | DRAFTER: VC



OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

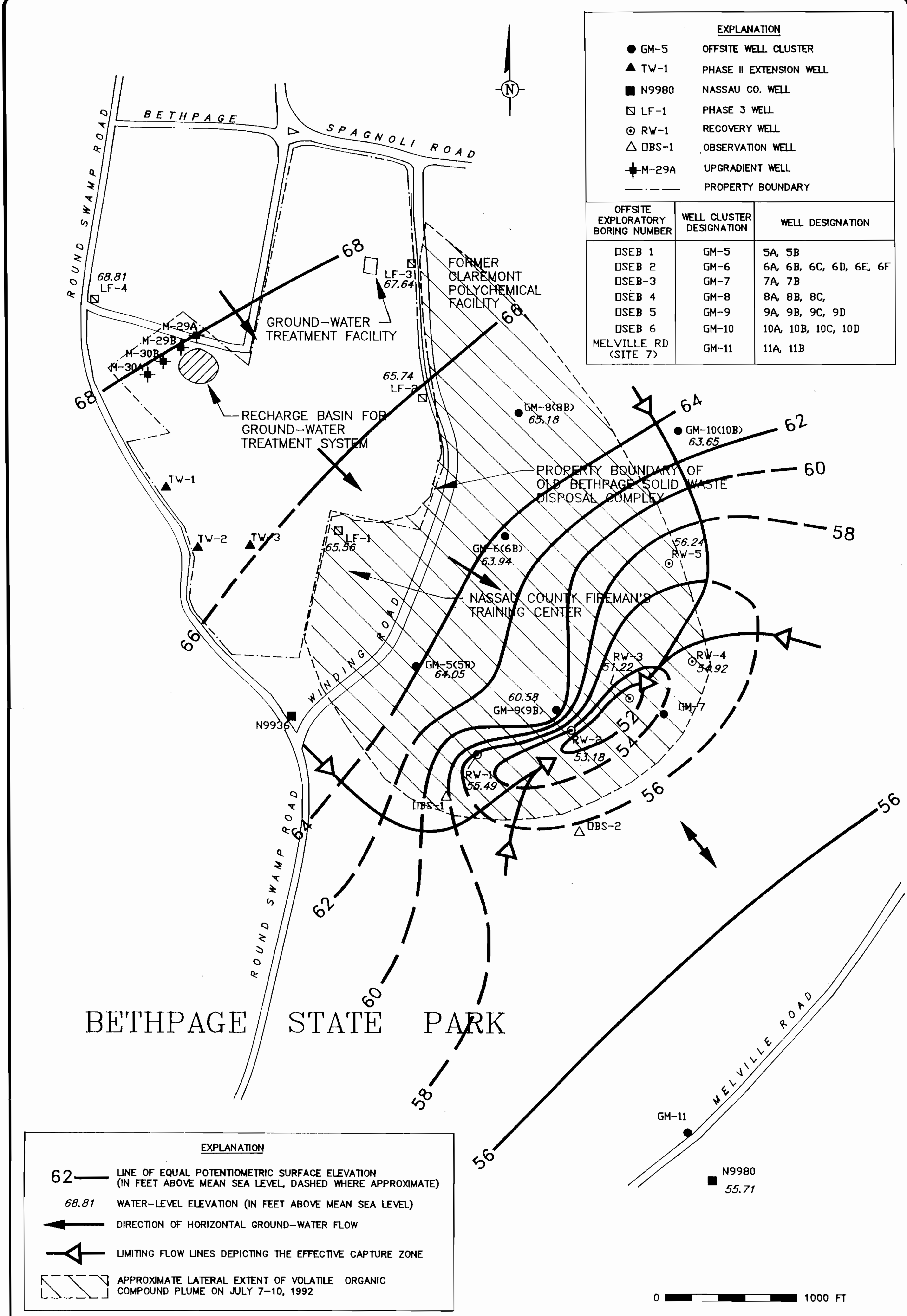
GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE WATER TABLE SURFACE ON SEPTEMBER 14, 1992 IN THE VICINITY OF THE OLD BETHPAGE LANDFILL

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE 4

DWG DATE: 9/28/92 | PRJCT NO.: NY02807 | FILE NO.: 1492 | DRAWING: SHAL9-92 | CHECKED: BC | APPROVED: CSG | DRAFTER: VC



OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE SHALLOW POTENTIOMETRIC SURFACE ON SEPTEMBER 14, 1992 IN THE VICINITY OF THE OLD BETHPAGE LANDFILL

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

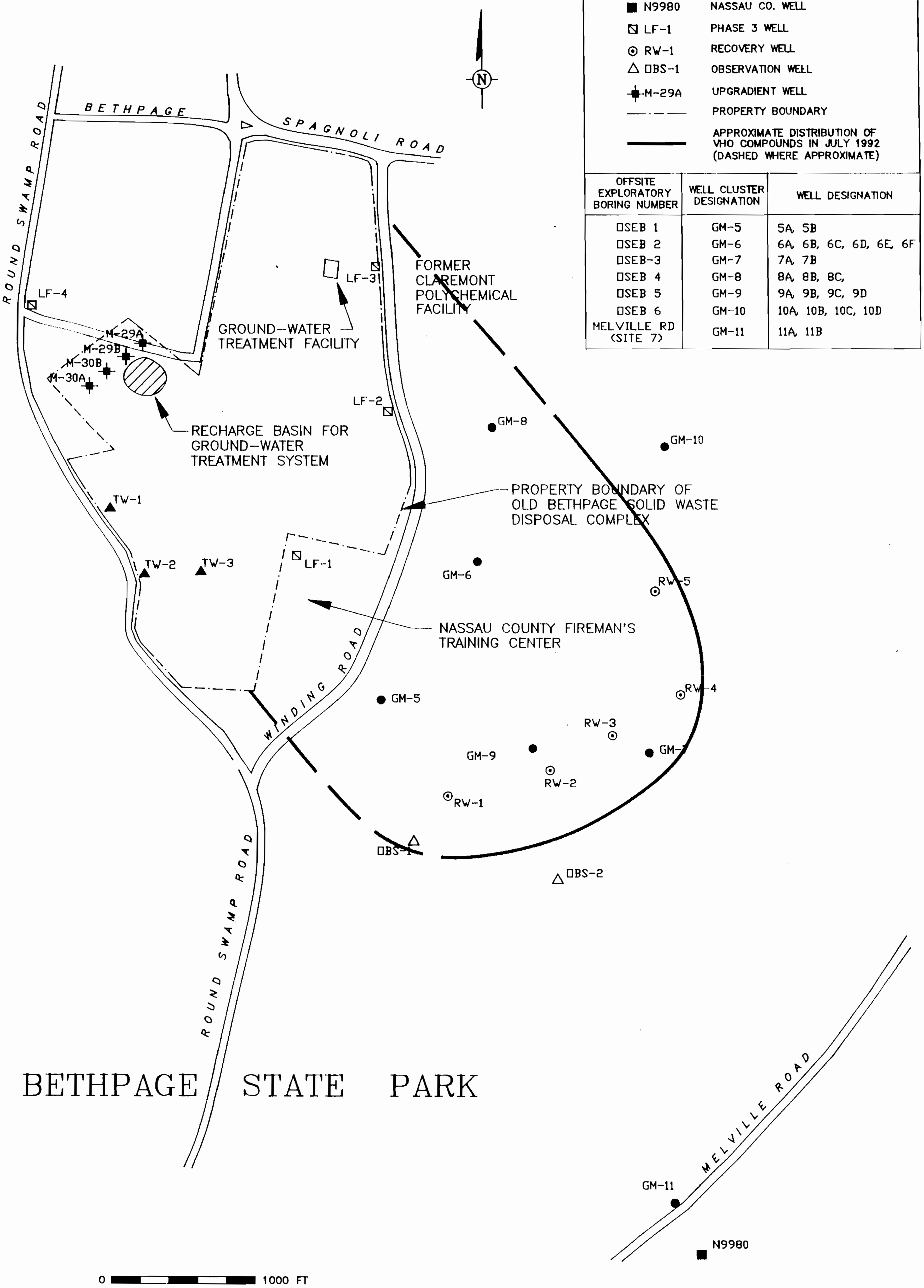
FIGURE 5

DWG DATE: 9/29/92	PRJCT NO.: NY02807	FILE NO.: 1492	DRAWING: VHO-792	CHECKED: BC	APPROVED: CSG	DRAFTER: VC

EXPLANATION

- ● GM-5 — OFFSITE WELL CLUSTER
- ▲ TW-1 — PHASE II EXTENSION WELL
- ■ N9980 — NASSAU CO. WELL
- ⊠ LF-1 — PHASE 3 WELL
- ⊙ RW-1 — RECOVERY WELL
- △ OBS-1 — OBSERVATION WELL
- ✚ M-29A — UPGRADIENT WELL
- —·—·— PROPERTY BOUNDARY
- ▬▬ APPROXIMATE DISTRIBUTION OF VHO COMPOUNDS IN JULY 1992 (DASHED WHERE APPROXIMATE)

OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B



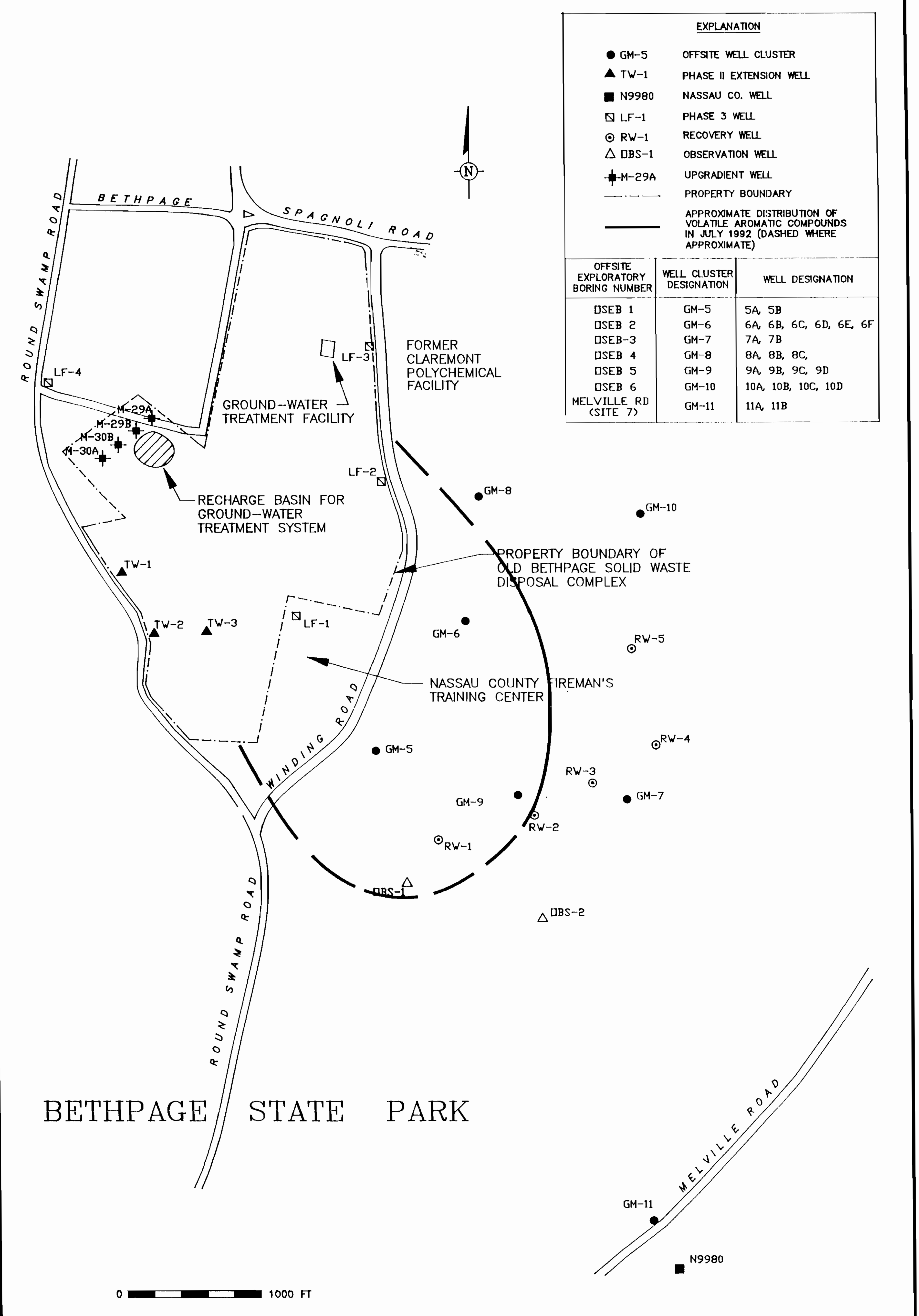
GERAGHTY & MILLER, INC.
Environmental Services

APPROXIMATE DISTRIBUTION OF VOLATILE HALOGENATED ORGANICS (VHOs) IN JULY 1992, OLD BETHPAGE LANDFILL, OLD BETHPAGE, NEW YORK

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE 7

DWG DATE: 10/14/92	PRJCT NO.: NY02807	FILE NO.: 1492	DRAWING: VAC-792	CHECKED: BC	APPROVED: CSG	DRAFTER: VC/GS



OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

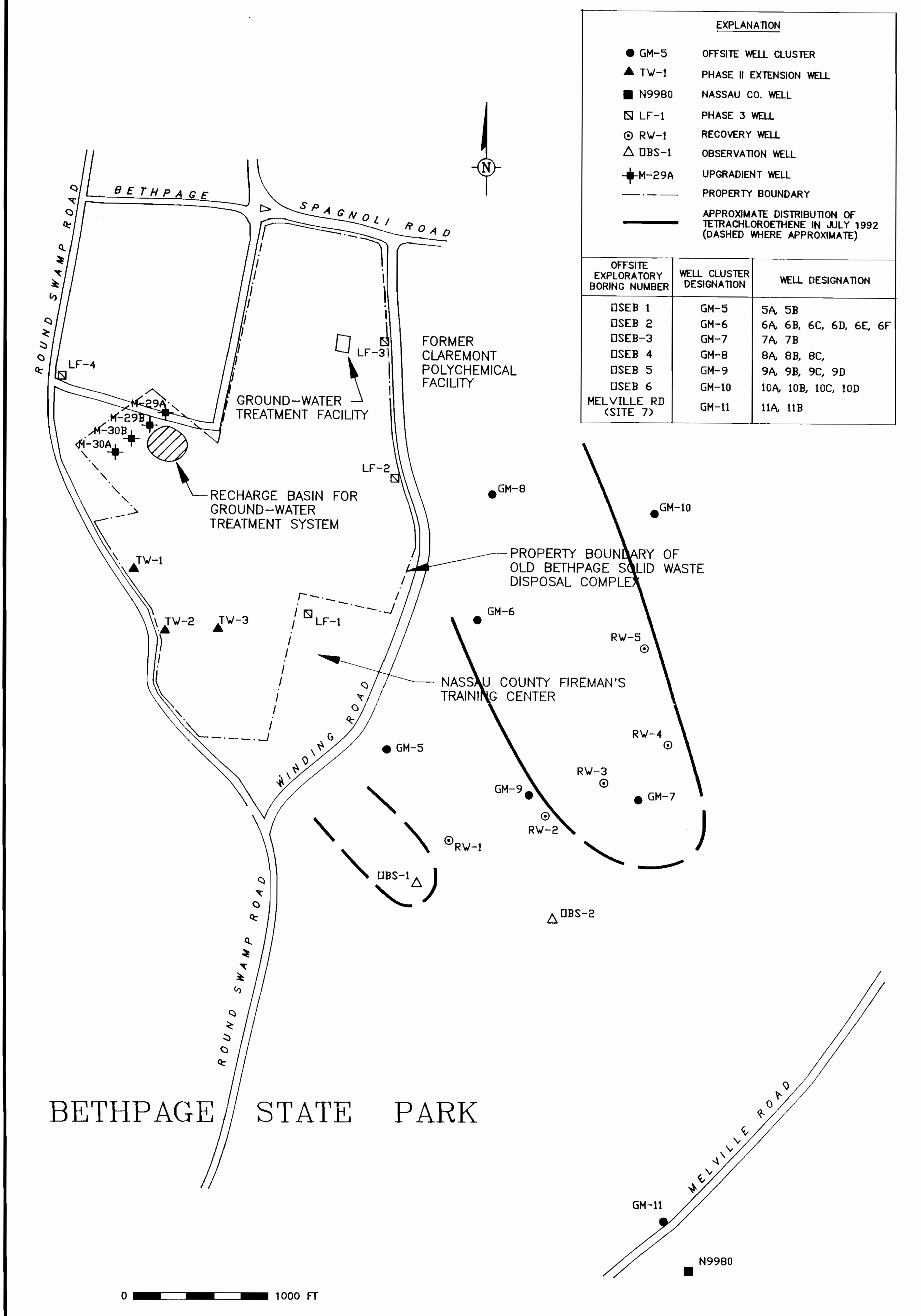
GERAGHTY & MILLER, INC.
Environmental Services

APPROXIMATE DISTRIBUTION OF AROMATIC HYDROCARBONS IN JULY 1992, OLD BETHPAGE LANDFILL, OLD BETHPAGE, NEW YORK

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE
8

DWG DATE: 9/29/92	PRJCT NO.: NY02807	FILE NO.: 1492	DRAWING: TET-792	CHECKED: BC	APPROVED: CSG	DRAFTER: VC



OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

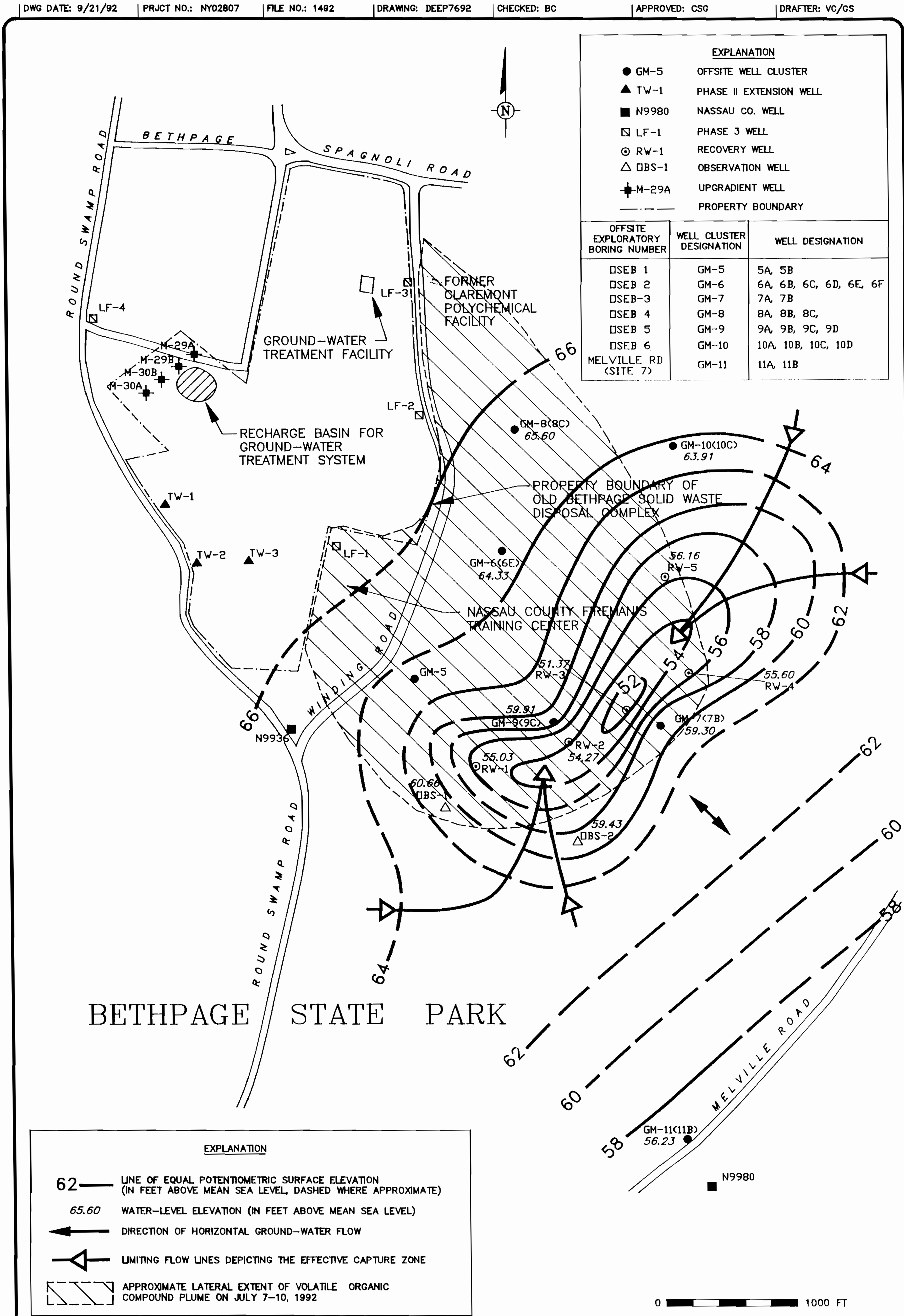
GERAGHTY & MILLER, INC.
Environmental Services

APPROXIMATE DISTRIBUTION OF TETRACHLOROETHENE IN JULY 1992
OLD BETHPAGE LANDFILL, OLD BETHPAGE, NEW YORK

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE 9

DWG DATE: 9/21/92	PRJCT NO.: NY02807	FILE NO.: 1492	DRAWING: DEEP7692	CHECKED: BC	APPROVED: CSG	DRAFTER: VC/GS



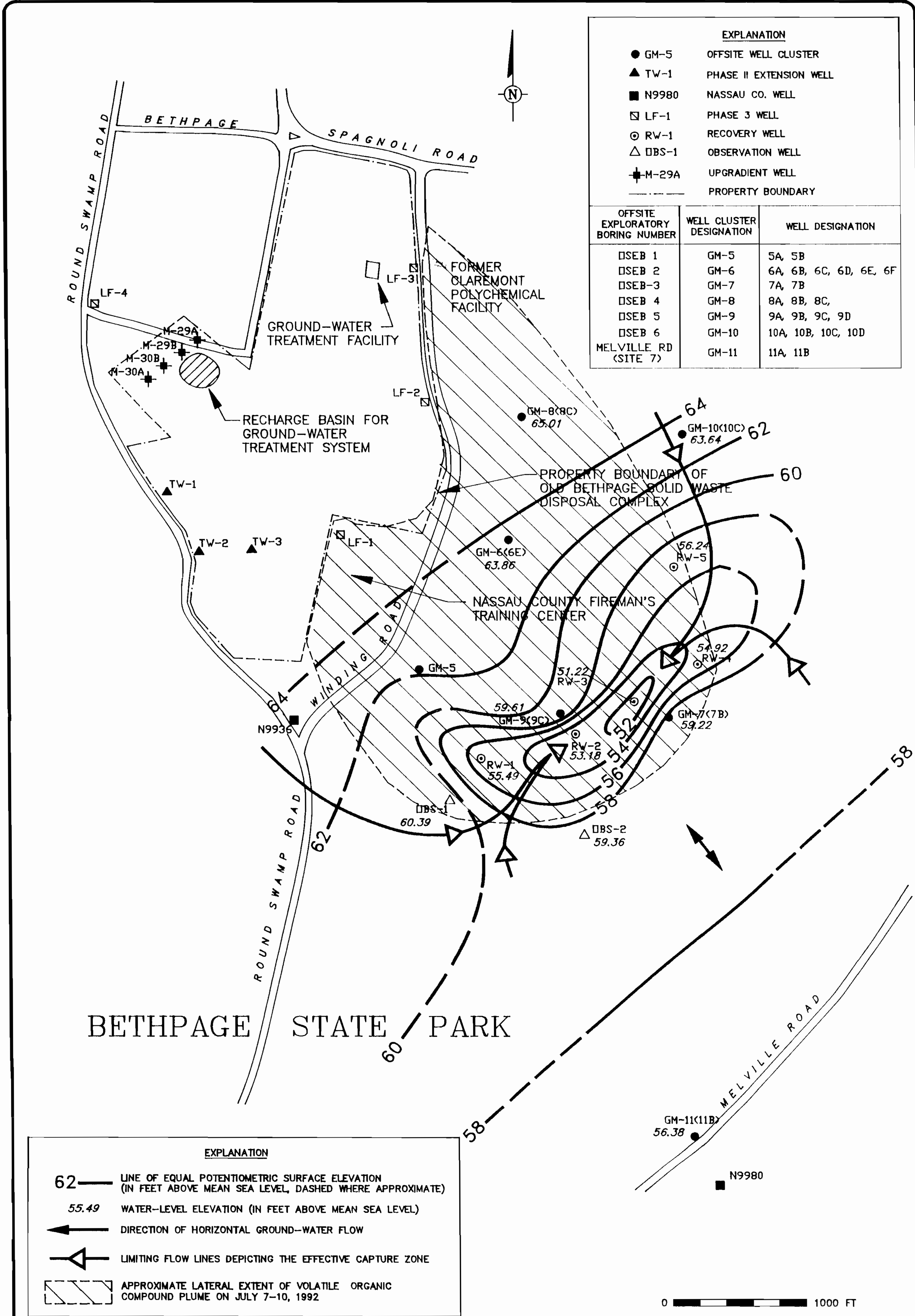
GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE DEEP POTENTIOMETRIC SURFACE ON JULY 6, 1992 IN THE VICINITY OF THE OLD BETHPAGE LANDFILL

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE
3

DWG DATE: 9/28/92 | PRJCT NO.: NY02807 | FILE NO.: 1492 | DRAWING: DEEP9-92 | CHECKED: BC | APPROVED: CSG | DRAFTER: VC



EXPLANATION

Symbol	Description
● GM-5	OFFSITE WELL CLUSTER
▲ TW-1	PHASE II EXTENSION WELL
■ N9980	NASSAU CO. WELL
⊠ LF-1	PHASE 3 WELL
⊙ RW-1	RECOVERY WELL
△ OBS-1	OBSERVATION WELL
M-29A	UPGRADIENT WELL
—·—·—	PROPERTY BOUNDARY

OFFSITE EXPLORATORY BORING NUMBER	WELL CLUSTER DESIGNATION	WELL DESIGNATION
OSEB 1	GM-5	5A, 5B
OSEB 2	GM-6	6A, 6B, 6C, 6D, 6E, 6F
OSEB-3	GM-7	7A, 7B
OSEB 4	GM-8	8A, 8B, 8C,
OSEB 5	GM-9	9A, 9B, 9C, 9D
OSEB 6	GM-10	10A, 10B, 10C, 10D
MELVILLE RD (SITE 7)	GM-11	11A, 11B

EXPLANATION

62 —— LINE OF EQUAL POTENTIOMETRIC SURFACE ELEVATION (IN FEET ABOVE MEAN SEA LEVEL, DASHED WHERE APPROXIMATE)

55.49 WATER-LEVEL ELEVATION (IN FEET ABOVE MEAN SEA LEVEL)

DIRECTION OF HORIZONTAL GROUND-WATER FLOW

LIMITING FLOW LINES DEPICTING THE EFFECTIVE CAPTURE ZONE

APPROXIMATE LATERAL EXTENT OF VOLATILE ORGANIC COMPOUND PLUME ON JULY 7-10, 1992

GERAGHTY & MILLER, INC.
Environmental Services

CONFIGURATION OF THE DEEP POTENTIOMETRIC SURFACE ON SEPTEMBER 14, 1992 IN THE VICINITY OF THE OLD BETHPAGE LANDFILL

LOCKWOOD, KESSLER, AND BARTLETT, INC.
AND THE TOWN OF OYSTER BAY, OLD BETHPAGE, NEW YORK

FIGURE 6

APPENDIX A

LABORATORY DATA REPORTS

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/4 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 5B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	2
12 Dichloroethene	ug/L	1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	7
Benzene	ug/L	3
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________

rn= 11791 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C922641/1 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/10/92 RECEIVED:07/10/92

SAMPLE: Water sample, 6A

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	3
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	2
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR____________________

rn= 11845 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/5 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	5
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	7
14 Dichlorobenzene	ug/L	17
Benzene	ug/L	3
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11708 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 3922610/6 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6C

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	6
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	2
14 Dichlorobenzene	ug/L	5
Benzene	ug/L	8
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11710 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/1 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, Repl

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	6
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	2
14 Dichlorobenzene	ug/L	5
Benzene	ug/L	7
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11701 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922610/7 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6E

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	2
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	10
12 Dichloroethene	ug/L	20
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	2
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	2

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	6
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	11
Benzene	ug/L	1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11712 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 1922610/8 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6F

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR_______________________

rn= 11714 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/6 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 7B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	6
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	4
12 Dichloroethene	ug/L	57
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	3
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	13
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	230

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11630 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922610/3 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 8A

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	2
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	2
11 Dichloroethane	ug/L	5
12 Dichloroethene	ug/L	250
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	12
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	25
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	360

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR____________________

rn= 11704 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/4 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 8B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	13
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	13
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11706 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/5 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 9B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11628 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922588/4 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 9C

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	3
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	4
14 Dichlorobenzene	ug/L	9
Benzene	ug/L	2
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR____________________________

rn= 11626 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/6 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 11A

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR______________________

rn= 11795 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/7 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 11B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR ____________________

rn= 11797 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/5 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, OBS-1

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	4
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	2
12 Dichloroethene	ug/L	25
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	8
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	3
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	13

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	55
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________

rn= 11793 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/3 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, M-29A

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	2

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR

rn= 11624 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922588/2 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, FB77B

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11623 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/2 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, FB79

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR____________________

rn= 11789 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.   ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922588/1   08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client   DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, TB77

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11622   NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C922631/3 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, TB79

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________

rn= 11790 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 6922610/2 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, TB78

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________________

rn= 11703 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C922641/3 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/10/92 RECEIVED:07/10/92

SAMPLE: Water sample, TB710

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<2
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR________________________

rn= 11848 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/9 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 5B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.65	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	280	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	82	
Magnesium as Mg	mg/L	32	
Calcium as Ca	mg/L	28	
Barium as Ba	mg/L	0.10	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR_______________________

rn= 11800 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.0922641/2   07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client   DATE COL'D:07/10/92 RECEIVED:07/10/92

SAMPLE: Water sample, 6A

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.04	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	4.2	
Zinc as Zn	mg/L	0.06	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	0.66	
Magnesium as Mg	mg/L	1.5	
Calcium as Ca	mg/L	1.9	
Barium as Ba	mg/L	<0.05	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR________________

rn= 11847   NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C922610/12 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.45	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	200	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	98	
Magnesium as Mg	mg/L	10	
Calcium as Ca	mg/L	7.9	
Barium as Ba	mg/L	0.06	
Iron as Fe	mg/L	6.6	

cc:

REMARKS:

DIRECTOR________________________

rn= 11719 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/13 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6C

ANALYTICAL PARAMETERS ANALYTICAL PARAMETERS

Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.25
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	160
Zinc as Zn	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	82
Magnesium as Mg	mg/L	21
Calcium as Ca	mg/L	20
Barium as Ba	mg/L	0.08
Iron as Fe	mg/L	26

cc:

REMARKS:

DIRECTOR_________________________

rn= 11720 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 9922510/9 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, Repl-6C

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.24	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	160	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	89	
Magnesium as Mg	mg/L	20	
Calcium as Ca	mg/L	20	
Barium as Ba	mg/L	0.08	
Iron as Fe	mg/L	25	

cc:

REMARKS:

DIRECTOR____________________

rn= 11716 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/14 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6E

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	0.010	
Manganese as Mn	mg/L	0.71	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	29	
Zinc as Zn	mg/L	0.06	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	9.1	
Magnesium as Mg	mg/L	17	
Calcium as Ca	mg/L	34	
Barium as Ba	mg/L	0.26	
Iron as Fe	mg/L	0.80	

cc:

REMARKS:

DIRECTOR________________________

rn= 11721 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/15 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6F

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.02	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	42	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	2.0	
Magnesium as Mg	mg/L	7.9	
Calcium as Ca	mg/L	18	
Barium as Ba	mg/L	0.09	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR

rn= 11722 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/10 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 7B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.16	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	33	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.001	
Potassium as K	mg/L	2.3	
Magnesium as Mg	mg/L	7.8	
Calcium as Ca	mg/L	13	
Barium as Ba	mg/L	0.10	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR________________________

rn= 11635 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/10 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 8A

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.20	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	10	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	3.3	
Magnesium as Mg	mg/L	5.0	
Calcium as Ca	mg/L	15	
Barium as Ba	mg/L	0.07	
Iron as Fe	mg/L	0.08	

cc:

REMARKS:

DIRECTOR________________________

rn= 11717 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/11 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 8B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	1.0	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	28	
Zinc as Zn	mg/L	0.06	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	14	
Magnesium as Mg	mg/L	11	
Calcium as Ca	mg/L	32	
Barium as Ba	mg/L	0.27	
Iron as Fe	mg/L	0.50	

cc:

REMARKS:

DIRECTOR____________________

rn= 11718 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO.C922588/9 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 9B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.25	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	14	
Zinc as Zn	mg/L	0.03	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	0.0017	
Potassium as K	mg/L	5.4	
Magnesium as Mg	mg/L	7.2	
Calcium as Ca	mg/L	11	
Barium as Ba	mg/L	0.08	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR______________________________

rn= 11634 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/8 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 9C

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	0.20	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	230	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.001	
Potassium as K	mg/L	120	
Magnesium as Mg	mg/L	22	
Calcium as Ca	mg/L	10	
Barium as Ba	mg/L	0.10	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR________________________

rn= 11633 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/11 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 11A

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	<0.02	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	4.5	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	0.63	
Magnesium as Mg	mg/L	1.1	
Calcium as Ca	mg/L	1.7	
Barium as Ba	mg/L	<0.05	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR________________________________

rn= 11802 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/12 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 11B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	<0.02	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	4.0	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	0.64	
Magnesium as Mg	mg/L	0.82	
Calcium as Ca	mg/L	1.5	
Barium as Ba	mg/L	<0.05	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR________________

rn= 11803 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/8 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, LF-1

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	1.8	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	72	
Zinc as Zn	mg/L	<0.02	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	60	
Magnesium as Mg	mg/L	18	
Calcium as Ca	mg/L	14	
Barium as Ba	mg/L	0.11	
Iron as Fe	mg/L	0.61	

cc:

REMARKS:

DIRECTOR

rn= 11799 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/10 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, OBS-1

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	0.009	
Manganese as Mn	mg/L	0.19	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	10	
Zinc as Zn	mg/L	0.77	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Potassium as K	mg/L	2.0	
Magnesium as Mg	mg/L	7.6	
Calcium as Ca	mg/L	7.3	
Barium as Ba	mg/L	<0.05	
Iron as Fe	mg/L	<0.05	

cc:

REMARKS:

DIRECTOR________________________

rn= 11801 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/7 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-DISSOLVED
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, M-29A

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Aluminum as Al	mg/L	<0.20	
Copper as Cu	mg/L	<0.02	
Lead as Pb	mg/L	<0.005	
Manganese as Mn	mg/L	5.6	
Nickel as Ni	mg/L	<0.10	
Sodium as Na	mg/L	48	
Zinc as Zn	mg/L	0.05	
Chromium as Cr	mg/L	<0.005	
Mercury as Hg	mg/L	<0.001	
Potassium as K	mg/L	5.9	
Magnesium as Mg	mg/L	15	
Calcium as Ca	mg/L	28	
Barium as Ba	mg/L	0.39	
Iron as Fe	mg/L	0.65	

cc:

REMARKS:

DIRECTOR________________

rn= 11632 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/4 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 5B

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.64
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	280
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	81
Magnesium as Mg	mg/L	33
Calcium as Ca	mg/L	30
Tot Dissolved Solids	mg/L	1200
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	45
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	80
Nitrogen, total as N	mg/L	80
Bicarb. Alk CaCO3	mg/L	615
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.10
Chloride as Cl	mg/L	380
Ammonia as N	mg/L	75

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.07
Hardness as CaC03	mg/L	210
Alkalinity tot CaCo3	mg/L	615

cc:

REMARKS:

DIRECTOR

rn= 11792 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922641/1 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/10/92 RECEIVED:07/10/92

SAMPLE: Water sample, 6A

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20	Iron as Fe	mg/L	<0.05
Copper as Cu	mg/L	<0.02	Hardness as CaC03	mg/L	11
Lead as Pb	mg/L	<0.005	Alkalinity tot CaCo3	mg/L	14
Manganese as Mn	mg/L	0.04			
Nickel as Ni	mg/L	<0.10			
Sodium as Na	mg/L	4.1			
Zinc as Zn	mg/L	0.07			
Chromium hex as Cr	mg/L	<0.02			
Chromium as Cr	mg/L	<0.005			
Mercury as Hg	mg/L	<0.00025			
Potassium as K	mg/L	0.65			
Magnesium as Mg	mg/L	1.6			
Calcium as Ca	mg/L	1.9			
Tot Dissolved Solids	mg/L	30			
Nitrate as N	mg/L	<0.5			
Sulfate as SO4	mg/L	<5			
Carbonate Alk CaCO3	mg/L	0			
Tot. Kjeldahl N.	mg/L	0.8			
Nitrogen, total as N	mg/L	0.8			
Bicarb. Alk CaCO3	mg/L	14			
Cyanide as CN	mg/L	<0.02			
Phenols as Phenol	mg/L	<0.001			
Barium as Ba	mg/L	<0.05			
Chloride as Cl	mg/L	8			
Ammonia as N	mg/L	<0.05			

cc:

REMARKS:

DIRECTOR____________________________

rn= 11846 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 9322610/5 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6B

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.47
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	190
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	96
Magnesium as Mg	mg/L	9.4
Calcium as Ca	mg/L	7.9
Tot Dissolved Solids	mg/L	810
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	6
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	71
Nitrogen, total as N	mg/L	71
Bicarb. Alk CaCO3	mg/L	500
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.07
Chloride as Cl	mg/L	250
Ammonia as N	mg/L	69

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	23
Hardness as CaC03	mg/L	58
Alkalinity tot CaCo3	mg/L	500

cc:

REMARKS:

DIRECTOR______________________

rn= 11709 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922610/6 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6C

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.25
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	160
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	81
Magnesium as Mg	mg/L	20
Calcium as Ca	mg/L	20
Tot Dissolved Solids	mg/L	730
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	11
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	63
Nitrogen, total as N	mg/L	63
Bicarb. Alk CaCO3	mg/L	450
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.08
Chloride as Cl	mg/L	240
Ammonia as N	mg/L	62

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	26
Hardness as CaC03	mg/L	130
Alkalinity tot CaCo3	mg/L	450

cc:

REMARKS:

DIRECTOR________________

rn= 11711 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/1 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, Repl-6C

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.25
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	150
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	79
Magnesium as Mg	mg/L	20
Calcium as Ca	mg/L	20
Tot Dissolved Solids	mg/L	720
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	14
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	63
Nitrogen, total as N	mg/L	63
Bicarb. Alk CaCO3	mg/L	450
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.08
Chloride as Cl	mg/L	250
Ammonia as N	mg/L	61

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	26
Hardness as CaCO3	mg/L	130
Alkalinity tot CaCo3	mg/L	450

cc:

REMARKS:

DIRECTOR______________________

rn= 11702 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922610/7 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6E

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	0.006
Manganese as Mn	mg/L	0.71
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	30
Zinc as Zn	mg/L	0.07
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	0.00045
Potassium as K	mg/L	9.1
Magnesium as Mg	mg/L	17
Calcium as Ca	mg/L	34
Tot Dissolved Solids	mg/L	390
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	11
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	4.4
Nitrogen, total as N	mg/L	4.4
Bicarb. Alk CaCO3	mg/L	6
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.26
Chloride as Cl	mg/L	160
Ammonia as N	mg/L	3.6

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.73
Hardness as CaC03	mg/L	150
Alkalinity tot CaCo3	mg/L	6

cc:

REMARKS:

DIRECTOR ________________________

rn= 11713 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922610/8 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 6F

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.03
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	44
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	2.0
Magnesium as Mg	mg/L	7.8
Calcium as Ca	mg/L	19
Tot Dissolved Solids	mg/L	310
Nitrate as N	mg/L	0.5
Sulfate as SO4	mg/L	<5
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	2.8
Nitrogen, total as N	mg/L	3.3
Bicarb. Alk CaCO3	mg/L	2
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.09
Chloride as Cl	mg/L	120
Ammonia as N	mg/L	<0.05

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	<0.05
Hardness as CaC03	mg/L	79
Alkalinity tot CaCo3	mg/L	2

cc:

REMARKS:

DIRECTOR________________________

rn= 11715 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922588-6 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 7B

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	0.32
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.17
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	34
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.001
Potassium as K	mg/L	2.4
Magnesium as Mg	mg/L	7.8
Calcium as Ca	mg/L	13
Tot Dissolved Solids	mg/L	240
Nitrate as N	mg/L	2.2
Sulfate as SO4	mg/L	7
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	3.2
Nitrogen, total as N	mg/L	5.6
Bicarb. Alk CaCO3	mg/L	10
Cyanide as CN	mg/L	0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.11
Chloride as Cl	mg/L	86
Ammonia as N	mg/L	<0.05

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.28
Hardness as CaC03	mg/L	65
Alkalinity tot CaCo3	mg/L	10

cc:

REMARKS:

DIRECTOR

rn= 11631 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 3922610/3 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/08/92 RECEIVED:07/08/92

SAMPLE: Water sample, 8A

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.21
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	10
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	3.4
Magnesium as Mg	mg/L	4.9
Calcium as Ca	mg/L	15
Tot Dissolved Solids	mg/L	140
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	28
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	2.8
Nitrogen, total as N	mg/L	2.8
Bicarb. Alk CaCO3	mg/L	22
Cyanide as CN	mg/L	21
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.07
Chloride as Cl	mg/L	27
Ammonia as N	mg/L	1.3

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.13
Hardness as CaC03	mg/L	59
Alkalinity tot CaCo3	mg/L	22

cc:

REMARKS:

DIRECTOR________________________

rn= 11705 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON. N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922610/4 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D: 07/08/92 RECEIVED: 07/08/92

SAMPLE: Water sample, 8B

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	1.0
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	29
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	14
Magnesium as Mg	mg/L	10
Calcium as Ca	mg/L	33
Tot Dissolved Solids	mg/L	410
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	17
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	3.8
Nitrogen, total as N	mg/L	3.8
Bicarb. Alk CaCO3	mg/L	4
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.27
Chloride as Cl	mg/L	140
Ammonia as N	mg/L	3.6

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.50
Hardness as CaC03	mg/L	120
Alkalinity tot CaCo3	mg/L	4

cc:

REMARKS:

DIRECTOR ____________________

rn= 11707 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/5 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 9B

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.23
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	15
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	0.0019
Potassium as K	mg/L	5.5
Magnesium as Mg	mg/L	7.5
Calcium as Ca	mg/L	11
Tot Dissolved Solids	mg/L	150
Nitrate as N	mg/L	3.7
Sulfate as SO4	mg/L	35
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	3.8
Nitrogen, total as N	mg/L	7.5
Bicarb. Alk CaCO3	mg/L	7
Cyanide as CN	mg/L	0.04
Phenols as Phenol	mg/L	0.007
Barium as Ba	mg/L	0.08
Chloride as Cl	mg/L	30
Ammonia as N	mg/L	0.93

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	<0.05
Hardness as CaCO3	mg/L	58
Alkalinity tot CaCo3	mg/L	7

cc:

REMARKS:

DIRECTOR________________

rn= 11629 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922588/4 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, 9C

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	0.29
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	0.21
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	230
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.001
Potassium as K	mg/L	120
Magnesium as Mg	mg/L	20
Calcium as Ca	mg/L	10
Tot Dissolved Solids	mg/L	1000
Nitrate as N	mg/L	<0.5
Sulfate as SO4	mg/L	15
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	105
Nitrogen, total as N	mg/L	105
Bicarb. Alk CaCO3	mg/L	590
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.09
Chloride as Cl	mg/L	370
Ammonia as N	mg/L	99

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.07
Hardness as CaC03	mg/L	110
Alkalinity tot CaCo3	mg/L	590

cc:

REMARKS:

DIRECTOR____________

rn= 11627 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/6 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 11A

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	<0.005
Manganese as Mn	mg/L	<0.02
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	4.5
Zinc as Zn	mg/L	<0.02
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	0.61
Magnesium as Mg	mg/L	1.1
Calcium as Ca	mg/L	1.7
Tot Dissolved Solids	mg/L	41
Nitrate as N	mg/L	2.6
Sulfate as SO4	mg/L	<5
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	1.2
Nitrogen, total as N	mg/L	3.8
Bicarb. Alk CaCO3	mg/L	2
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	0.005
Barium as Ba	mg/L	<0.05
Chloride as Cl	mg/L	7
Ammonia as N	mg/L	<0.05

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.06
Hardness as CaC03	mg/L	8.6
Alkalinity tot CaCo3	mg/L	2

cc:

REMARKS:

DIRECTOR________________

rn= 11796 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/7 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, 11B

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20	Iron as Fe	mg/L	<0.05
Copper as Cu	mg/L	<0.02	Hardness as CaC03	mg/L	7.0
Lead as Pb	mg/L	<0.005	Alkalinity tot CaCo3	mg/L	2
Manganese as Mn	mg/L	<0.02			
Nickel as Ni	mg/L	<0.10			
Sodium as Na	mg/L	3.8			
Zinc as Zn	mg/L	<0.02			
Chromium hex as Cr	mg/L	<0.02			
Chromium as Cr	mg/L	<0.005			
Mercury as Hg	mg/L	<0.00025			
Potassium as K	mg/L	0.57			
Magnesium as Mg	mg/L	0.76			
Calcium as Ca	mg/L	1.6			
Tot Dissolved Solids	mg/L	35			
Nitrate as N	mg/L	1.7			
Sulfate as SO4	mg/L	<5			
Carbonate Alk CaCO3	mg/L	0			
Tot. Kjeldahl N.	mg/L	0.8			
Nitrogen, total as N	mg/L	2.5			
Bicarb. Alk CaCO3	mg/L	2			
Cyanide as CN	mg/L	<0.02			
Phenols as Phenol	mg/L	<0.001			
Barium as Ba	mg/L	<0.05			
Chloride as Cl	mg/L	7			
Ammonia as N	mg/L	<0.05			

cc:

REMARKS:

DIRECTOR________________

rn= 11798 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/5 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, OBS-1

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	<0.20
Copper as Cu	mg/L	<0.02
Lead as Pb	mg/L	0.023
Manganese as Mn	mg/L	0.20
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	11
Zinc as Zn	mg/L	0.73
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	<0.005
Mercury as Hg	mg/L	<0.00025
Potassium as K	mg/L	2.0
Magnesium as Mg	mg/L	7.3
Calcium as Ca	mg/L	7.9
Tot Dissolved Solids	mg/L	120
Nitrate as N	mg/L	1.0
Sulfate as SO4	mg/L	19
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	2.2
Nitrogen, total as N	mg/L	3.2
Bicarb. Alk CaCO3	mg/L	22
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	0.005
Barium as Ba	mg/L	<0.05
Chloride as Cl	mg/L	20
Ammonia as N	mg/L	0.30

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	0.82
Hardness as CaCO3	mg/L	50
Alkalinity tot CaCo3	mg/L	22

cc:

REMARKS:

DIRECTOR____________________

rn= 11794 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. 0922588/3 08/05/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/07/92 RECEIVED:07/07/92

SAMPLE: Water sample, M-29A

ANALYTICAL PARAMETERS		
Aluminum as Al	mg/L	9.0
Copper as Cu	mg/L	0.06
Lead as Pb	mg/L	0.041
Manganese as Mn	mg/L	6.3
Nickel as Ni	mg/L	<0.10
Sodium as Na	mg/L	44
Zinc as Zn	mg/L	0.05
Chromium hex as Cr	mg/L	<0.02
Chromium as Cr	mg/L	0.04
Mercury as Hg	mg/L	0.0018
Potassium as K	mg/L	7.2
Magnesium as Mg	mg/L	15
Calcium as Ca	mg/L	25
Tot Dissolved Solids	mg/L	330
Nitrate as N	mg/L	1.0
Sulfate as SO4	mg/L	30
Carbonate Alk CaCO3	mg/L	0
Tot. Kjeldahl N.	mg/L	6.2
Nitrogen, total as N	mg/L	7.2
Bicarb. Alk CaCO3	mg/L	84
Cyanide as CN	mg/L	<0.02
Phenols as Phenol	mg/L	<0.001
Barium as Ba	mg/L	0.41
Chloride as Cl	mg/L	110
Ammonia as N	mg/L	1.9

ANALYTICAL PARAMETERS		
Iron as Fe	mg/L	26
Hardness as CaCO3	mg/L	120
Alkalinity tot CaCo3	mg/L	84

cc:

REMARKS:

DIRECTOR________________________

rn= 11625 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C922631/1 07/31/92

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, NY 11803
ATTN: William Conroy

SOURCE OF SAMPLE: Old Bethpage Landfill-NY02807-TOTAL
COLLECTED BY: Client DATE COL'D:07/09/92 RECEIVED:07/09/92

SAMPLE: Water sample, LF-1

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Chloride as Cl	mg/L	110	
Ammonia as N	mg/L	52	
Iron as Fe	mg/L	0.77	
Hardness as CaC03	mg/L	110	
Alkalinity tot CaCo3	mg/L	400	
Manganese as Mn	mg/L	1.8	
Sodium as Na	mg/L	74	
Potassium as K	mg/L	60	
Calcium as Ca	mg/L	14	
Tot Dissolved Solids	mg/L	470	
Nitrate as N	mg/L	<0.5	
Sulfate as SO4	mg/L	23	
Carbonate Alk CaCO3	mg/L	0	
Tot. Kjeldahl N.	mg/L	56	
Bicarb. Alk CaCO3	mg/L	400	

cc:

REMARKS:

DIRECTOR________________________

rn= 11788 NYSDOH ID# 10320