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POTESTA & ASSOCIATES, INC.

Engineers and Environmental Consultants

December 2003

DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION REPORT

Flexsys America L.P. Facility
Nitro, West Virginia

Prepared for:

Solutia Inc.
575 Maryville Centre Drive
St. Louis, Missouri 63166

Prepared by:

Potesta & Associates, Inc.
2300 MacCorkle Avenue, S.E.
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Project No. 01-0081-320A

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DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action
Environmental Indicator (EI) RCRIS Code (CA750)

Migration of Contaminated Groundwater Under Control

Facility Name: Flexsys America L.P. Facility *(Solutia Inc.)*
Facility Address: No. 1 Monsanto Rd., Nitro, WV 25143
Facility EPA ID#: WVD039990965

1. Has **all** available relevant/significant information on known and reasonable suspected releases to the groundwater media, subject to RCRA Corrective Action (e.g., from Solid Waste Management Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been **considered** in this EI determination?

   _X_ If yes – check here and continue with #2 below.

   ____ If no – re-evaluate existing data, or

   ____ If data are not available, skip to #8 and enter "IN" (more information needed) statue code.

This CA750 Groundwater Environmental Indicator Report (EIR) is based on information collected during completion of an investigation and evaluation of groundwater resources throughout the Flexsys America L.P. facility (Figure 1). Areas investigated and included in the EIR are the internal portions of the plant process area (PA) as well as the wastewater treatment area (WWTA). In addition, sediment and surface water sampling in the Kanawha River downgradient of the Flexsys facility was also conducted to provide the information needed to prepare this report.

Summary of Groundwater Investigation

This investigation included the advancement of a total of 102 individual temporary groundwater sampling direct push points. Three samples were collected at each of 34 locations throughout the facility limits providing grab samples from three zones within the unconsolidated aquifer beneath the site. These sampling horizons generally adhered to the following depths.

- Zone A: Phreatic surface sampling points, generally located at a depth of 25 to 30 feet below the ground surface.
- Zone B: Mid Aquifer sampling points, located at a midpoint in the unconsolidated aquifer between the phreatic surface and the bedrock horizon.
- Zone C: Basal Aquifer sampling points, located at the bedrock interface, generally located at depths ranging from 55 to 60 feet below the ground surface.

Summary of Sediment and Surface Water Investigation

Several additional investigations were completed during of the data collection phase of this EIR investigation. These included the collection of both sediment and surface water samples from the Kanawha River immediately adjacent to the western boundary of the Flexsys facility. The first round of sampling was completed in September 2001 and included the collection of surface water and sediment samples from three individual sections of the river at the Flexsys property. After submittal of these results, the USEPA requested that a second sampling event be completed to fill data gaps, and that this scope of work include the collection of both sediment and surface water samples from the entire boundary limit. Additionally, dioxin/furan testing was also added to the parameter listing. This work was completed in December 2002.

Data Report and Data Validation Report

Two additional reports are provided as supplements to this Environmental Indicator Report. These include a Data Report and a Data Validation Report. These provide information and details related to the field investigation as well as results of the analytical testing completed during this study.

The Data Report contains a summary of the data collected during the field investigation including tables summarizing the analytical tests conducted on the collected groundwater, sediment and surface water samples.

The Data Validation Report contains a summary of the results of the data quality validation completed on the recently collected analytical data. At the request of the USEPA-Region III, 100 percent of the data collected underwent validation after review of Level 4 data packages received from the analytical laboratories.

Summary of Results

Results of the CA-750 Groundwater EIR Investigation are summarized in a series of figures, listed below; they are attached to the EIR and are also included in the Data Report.

Figure 1 Site Plan
Figure 2 Groundwater Elevations
Figure 3 Contaminant Plume Boundary
Figure 4 Total VOC Concentrations
Figure 5 Total SVOC Concentrations
Figure 6 Total Herbicide Concentrations
Figure 7 Dioxin TEQ Concentrations

These figures indicate the location of the various sampling points in addition to a graphic presentation of the qualitative results.

2. Is **groundwater** known or reasonably suspected to be "**contaminated**"[1] above appropriately protective "levels" (i.e., applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action, anywhere at, or from, the facility?

   __X__ If yes – continue after identifying key contaminants, citing appropriate "levels," and referencing supporting documentation.

   _____ If no – skip to #8 and enter "YE" status code, after citing appropriate "levels," and referencing supporting documentation to demonstrate that groundwater is not "contaminated."

   _____ If unknown – skip to #8 and enter "IN" status code.

Rationale and References(s)

The sampling efforts which were completed during this study served to systematically collect representative grab samples of groundwater to identify contaminants of potential concern (COPC). The following target analytes were part of the parameter list for each groundwater sample collected at the site:

- Target Compound List (TCL) VOCs
- TCL SVOCs, plus Aniline, Ethyl Parathion and N-Nitrosodiphenylamine
- Appendix IX Chlorinated Herbicides (2,4-D, 2,4,5-T and 2,4,5-TP {Silvex}
- TCL Chlorinated Dibenzo-p-dioxin/Dibenzofuran Congeners
- TAL Metals

All groundwater and surface water results were screened against the West Virginia Water Quality Standards (46 CSR 1: Requirements Governing Water Quality Standards). These standards are commonly referred to as the Ambient Water Quality Criteria (AWQC). Since the receptor for the site groundwater is the Kanawha River, the groundwater results were compared to the AWQC level for each constituent after applying a multiplier of 10 for dilution at the river discharge location. The AWQC regulations are presented in a number of categories, each applying to a specific type of exposure scenario for the potential receptor or pertaining to the use and type of receiving stream. The following were considered appropriate AWQC screening categories, as they apply to the current designations for the Kanawha River:

Category B1: Warm Water Fishery Streams
Category B4: Wetlands
Category C: Water Contact Recreation

The AWQC regulatory limits for each of the categories were reviewed for each of the constituents of concern. The lowest AWQC value for each constituent was used in the screening procedure.

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1 *"Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriated "levels" (appropriate for the protection of the groundwater resource and its beneficial uses.)*

Review of the inorganic results included a comparison to limited available historic background data for the regional alluvial aquifer. This information was obtained from historic database files maintained by the United States Geologic Survey – Department of Water Resources (USGS-DWR). The data included analytical results collected from a single sampling event of nine individual wells. All of these wells were located within the Kanawha River alluvial aquifer and were relatively close to the site. Since there is no known historical source of inorganic contamination at this site, it is concluded that the inorganic constituents of concern are likely attributed to naturally occurring, regional background concentrations or the migration of contamination from upgradient, offsite sources. However, additional work will be required to determine adequate regional background levels in groundwater for inorganic constituents. This work will be completed during a future study of the site and will be documented in the preparation of an additional submittal related to this CA-750 investigation. The determination of adequate background concentrations, as well as confirmation of the limited amount existing site data for inorganic constituents, will be considered during the completion of this future work.

The following summary presents maximum analytical results for groundwater samples collected during this investigation that were in excess of the benchmark AWQC screening levels.

Class	Constituent	Maximum Conc. (ug/l)	Screening Value (10xAWQC) (ug/l)
Volatile Organics	1,1-Dichloroethane	210	32
	Carbon Tetrachloride	830	44
	Halomethanes	130	15.7
	Vinyl Chloride	17,000	5250
	Trichloroethene	14,000	810
	Tetrachloroethene	12,000	88.5
Semivolatile Organics	Total PAHs	160	0.031
	Phthalate Esters	290	3
Dioxins/Furans	2,3,7,8-TCDD	42 pg/l	0.14 pg/l

Table 1, located at the end of this document, shows the sampling location for each groundwater sample constituent concentration is excess of the screening value.

Groundwater at the northern and southern boundaries of both the PA and the WWTA do not discharge directly to the Kanawha River. At these locations, the appropriate screening criterion is the state Groundwater Protection Standard. Therefore, groundwater analytical results obtained from those monitoring points established at the northern and southern boundaries of both the PA and the WWTA were screened against the West Virginia Groundwater Protection Regulation Standards, (46 CSR 12: Requirements Governing Groundwater Standards). Results are discussed more thoroughly in response to the following Question 3.

There were no exceedances of any AWQC for any surface water constituent in the Kanawha River surface water samples.

3. Has the **migration** of contaminated groundwater **stabilized** (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater"[2] as defined by the monitoring locations designated at the time of this determination?

____ If yes – continue, after presenting or referencing the physical evidence (e.g., groundwater sampling/measurement/migration barrier data) and rationale why contaminated groundwater is expected to remain within the (horizontal or vertical) dimension of the "existing areas of groundwater contaminataion"[2]).

____ If no (contaminated groundwater is observed or expected to migrate beyond the designated locations defining the "existing area of groundwater contamination"[2]) – skip to #8 and enter "NO" status code, after providing an explanation.

_X_ If unknown – skip to #8 and enter "IN" status code.

Rationale and Reference(s)

The groundwater flow directions at the site clearly are in a west-northwest direction and generally toward the Kanawha River; however, several localized areas of groundwater flow could migrate outside the property limits prior to discharge to the river (Figure 2). The potentiometric surfaces generated and presented in the supportive information to this questionnaire were developed from groundwater gauging information collected in the facilities groundwater existing groundwater monitoring well network.

The body of data existing prior to this CA-750 investigation and the information collected during this CA-750 investigation remains insufficient to adequately delineate the northern and southern plume boundaries. Constituent concentrations at the site boundaries in the PPA and the WWTA exceed the West Virginia Groundwater Protection Act screening criteria (46 CSR 12: Requirements Governing Groundwater Standards); therefore, existing areas of impacted groundwater (Figures 3, 4, 5 and 6) cannot be verifiably demonstrated to contain all impacted groundwater. Additional investigation of these border areas must be completed before a final EI determination can be made for the site.

[2] "existing area of contaminated groundwater" is an area (with horizontal and vertical dimensions) that has been verifiably demonstrated to contain all relevant groundwater contamination for this determination, and is defined by designated (monitoring) locations proximate to the outer perimeter of "contamination" that can and will be sampled/tested in the future to physically verify that all "contaminated" groundwater remains within these areas, and that the further migration of "contaminated" groundwater is not occurring. Reasonable allowances in the proximity of the monitoring locations are permissible to incorporate formal remedy decisions (i.e., including public participation) allowing a limited area for natural attenuation.

4. Does "contaminated" groundwater **discharge** into **surface water** bodies?

__X__ If yes – continue after identifying potentially affected surface water bodies.

_____ If no – skip to #7 (and enter a "YE" status code in #8, if #7 = yes) after providing an explanation and/or referencing documentation supporting that groundwater "contamination" does not enter surface water bodies.

_____ If unknown – skip to #8 and enter "IN" status code.

Rationale and References(s)

Groundwater flow at the site (Figure 2) is toward the west-northwest. Based on the observed flow direction to the west-northwest, the horizontal extent of plume migration in groundwater is limited by the Kanawha River, which is located adjacent to the western boundary of the site providing a physical limit to migration of impacted groundwater (Figure 3).

5. Is the **discharge** of "contaminated" groundwater into surface water likely to be "**insignificant**" (i.e., the maximum concentration[3] of each contaminant discharging into surface water is less than 10 times their appropriate groundwater "level," and there are no other conditions (e.g., the nature, and number, of discharging contaminants, or environmental setting), which significantly increase the potential for unacceptable impacts to surface water, sediments, or eco-systems at these concentrations)?

   _X_ If yes – skip to #7 (and enter "YE" status code in #8 if #7 – yes), after documenting: 1) the maximum known or reasonable suspected concentration[3] of key contaminants discharged above their groundwater "level, " the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) provide a statement of professional judgment/explanation (or reference documentation) supporting that the discharge of groundwater contaminants into the surface water is not anticipated to have unacceptable impacts to the receiving surface water, sediments, or eco-system.

   ____ If no – (the discharge of "contaminated" groundwater into surface water is potentially significant" – continue after documenting: 1) the maximum known or reasonably suspected concentration[3] of each contaminant discharged above its groundwater "level," the value of the appropriate "level(s)," and if there is evidence that the concentrations are increasing; and 2) for any contaminants discharging into surface water in concentrations[3] greater than 100 times their appropriate groundwater "levels,: the estimated total amount (mass in kg/yr) of each of these contaminants that are being discharged (loaded) into the surface water body (at the time of the determination), and identify if there is evidence that the amount of discharging contaminants is increasing.

   ____ If unknown – enter "IN" status code in #8.

Rationale and Reference(s)

None of the results from the collected surface water samples exceeded the appropriate Ambient Water Quality Criteria. Therefore, the discharge of contaminated groundwater along the site boundary at the Kanawha River does not cause an exceedance of the standard (AWQC); therefore, is considered to be insignificant. The following table is provided to show the relationship between the concentrations of the various constituents of concern detected in the collected groundwater samples and those constituent concentrations resulting from the surface water samples collected from the Kanawha River. For reference, the appropriate screening criteria, AWQC is also included in the table for comparison.

[3] *As measured in groundwater prior to entry to the groundwater-surface water/sediment interaction (e.g., hyporheic) zone.*

SURFACE WATER RESULTS VS. AWQC

Chemical Constituent	Surface Water Maximum Detected (ug/l)	AWQC (ug/l)
1,1-Dichloroethene	N/A	3.2
Carbon tetrachloride	1.2	4.4
Vinyl chloride	1.1	525
Trichloroethene	3.5	81
Tetrachloroethene	N/A	8.85
PAH	N/A	0.031
Halomethanes	N/A	15.7
Phthalate esters	N/A	3.0

N/A *These compounds were not analyzed for in the laboratory analyte listing approved as presented in the sampling and analysis work plan document.*

6. Can the **discharge** of "contaminated" groundwater into surface water be shown to be "**currently acceptable**" (i.e., not cause impacts to surface water, sediments or eco-systems that should not be allowed to continue until a final remedy decision can be made and implemented[4])?

   _X_ If yes – continue after either: 1) identifying the Final Remedy decision incorporating these conditions or other site-specific criteria (developed for the protection of the site's surface water, sediments, and eco-systems), and referencing supporting documentation demonstrating that these criteria are not exceeded by the discharging groundwater; OR 2) providing or referencing an interim-assessment,[5] appropriate to the potential for impact, that shows the discharge of groundwater contaminants into the surface water is (in the opinion of a trained specialists, including ecologist) adequately protective of receiving surface water, sediments, and eco-systems, until such time when a full assessment and final remedy decision can be made. Factors which should be considered in the interim-assessment (where appropriate to help identify the impact associated with discharging groundwater) include: surface water body size, flow, use/classification/habitats and contaminant loading limits, other sources of surface water/sediment contamination, surface water and sediment sample results and comparisons to available and appropriate surface water and sediment "levels," as well as only other factors, such as effects on ecological receptor (e.g., via bio-assays/benthic surveys or site-specific ecological Risk Assessments), that the overseeing regulatory agency would deem appropriate for making the EI determination.

   ____ If no – (the discharge of "contaminated" groundwater can not be shown to be "**currently acceptable**") – skip to #8 and enter "NO" status code, after documenting the currently unacceptable impacts to the surface water body, sediments, and /or eco-systems.

   ____ If unknown – skip to #8 and enter "IN" status code.

Rationale and Reference(s)

The results of the surface water screening to the AWQC values (Table 2) shows that the discharge of groundwater into the surface water is adequately protective of receiving surface water because surface water sampling indicates that AWQC are not exceeded. The current designation for the Kanawha River prevents its use as a potable drinking water resource and the current fish consumption advisory discourages the consumption of bottom feeding fish.

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4 *Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.*

5 *The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediment or eco-systems.*

These factors minimize any immediate threat that the site may present to the general public. For these reasons, it is considered currently acceptable to allow site groundwater to continue to discharge to surface water until a final remedy decision can be made and implemented.

7. Will groundwater **monitoring**/measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater?"

   __X__ If yes – continue after providing or citing documentation for planned activities or future sampling/measurement events. Specifically identify the well/measurement locations which will be tested in the future to verify the expectation (identified in #3) that groundwater contamination will not be migrating horizontally (or vertically, as necessary) beyond the "existing area of groundwater contamination."

   _____ If no – enter "NO" status code in #8.

   _____ If unknown – enter "IN" status code in #8.

Rationale and Reference(s)

Additional work associated with the delineation of the northern and southern boundary plume limits will be conducted in the future. The work associated with this will be detailed in a future work plan to be developed in the first quarter of 2004 and submitted to the USEPA for approval prior to starting the work. The data collected will be utilized to supplement the information collected and presented in this submittal. Following collection and study of this future data, an updated CA-750 Environmental Indicator Report will be prepared and submitted to the USEPA.

8. Check the appropriate RCRIS status codes for the Migration of Contaminated Groundwater Under Control EI (event code CA750), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (attach appropriate supporting documentation as well as a map of the facility).

____ YE – Yes, "Migration of Contaminated Groundwater Under Control" has been verified. Based on a review of the information contained in this EI determination, it has been determined that the "Migration of Contaminated Groundwater." This determination will be re-evaluated when the Agency becomes aware fo significant changes at the facility.

____ NO – Unacceptable migration of contaminated groundwater is observed or expected.

_X_ IN – More information is needed to make a determination.

Completed by (signature) Mike House Date 12/22/03

(print) Mr. Mike House

(title) Manager, Remedial Projects (Solutia, Inc.)

Supervisor (signature) _____ Date_____

(print) _____

(title) _____

(EPA Region/State) Region III/West Virginia

Locations Where References May Be Found

Geraghty & Miller, Inc., 1985. *Groundwater Assessment – Waste Water Treatment Plant*, May 1985.

Geraghty & Miller, Inc., 1985. *Groundwater-Water Quality Investigation at the Monsanto Plant*, October 1985.

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Roux Associates, Inc., 2001. *Report on Phase IA Activities*, December 28, 2001.

Potesta & Associates, Inc., 2003. *Site Assessment Work Plan – Final, CA-750 Groundwater Characterization Investigation*, May, 2003.

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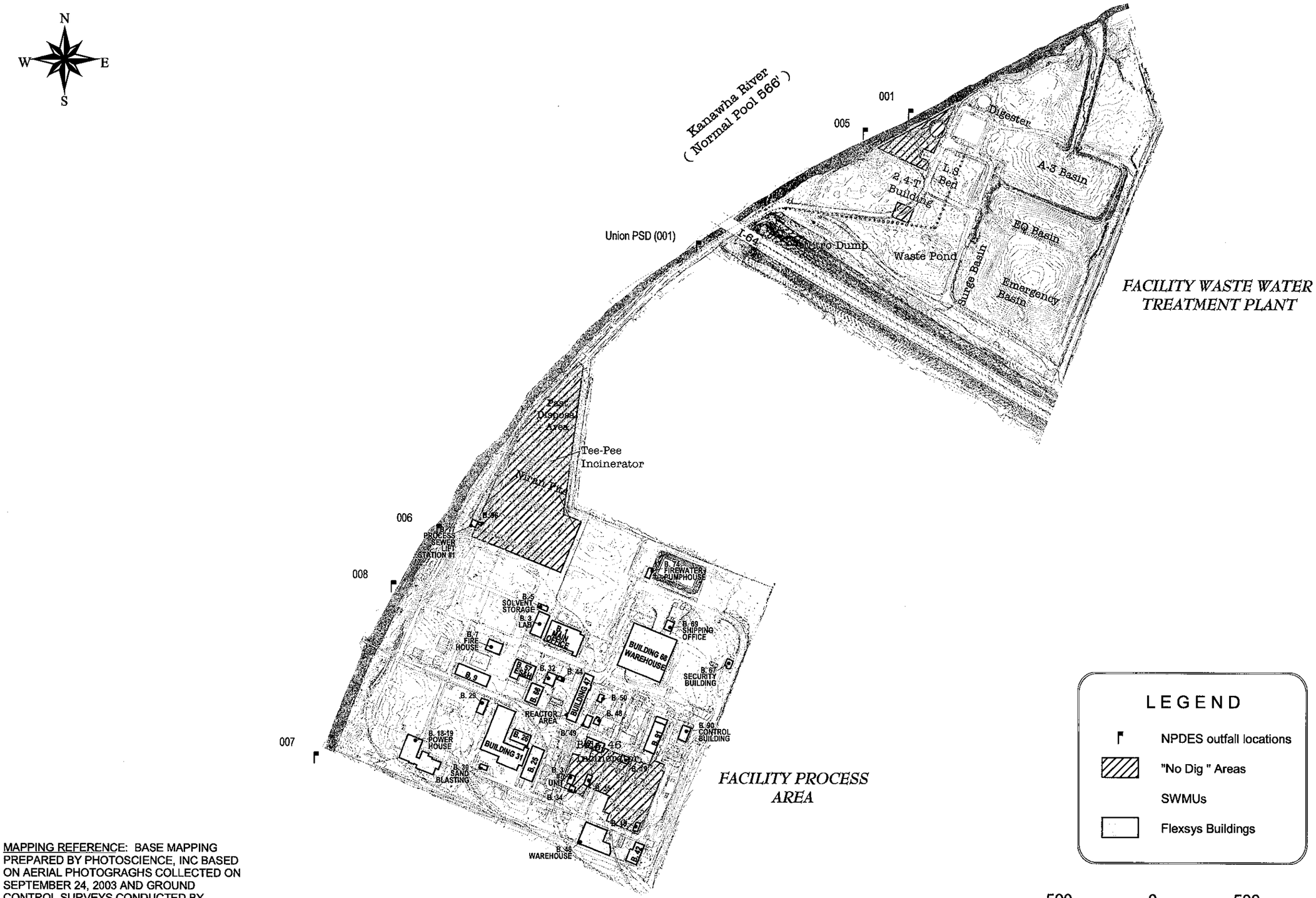
(e-mail) mlhous1@solutia.com

APPENDIX A



MAPPING REFERENCE: BASE MAPPING PREPARED BY PHOTOSCIENCE, INC BASED ON AERIAL PHOTOGRAGHS COLLECTED ON SEPTEMBER 24, 2003 AND GROUND CONTROL SURVEYS CONDUCTED BY POTESTA & ASSOCIATES, INC.

CA-750 EI Project.apr
ArcView File No.

JMS
Drawn

CAG
Checked

CAG
Approved

1" = 500'
Scale

12/10/2003
Date

01-0081-320A
Project No.

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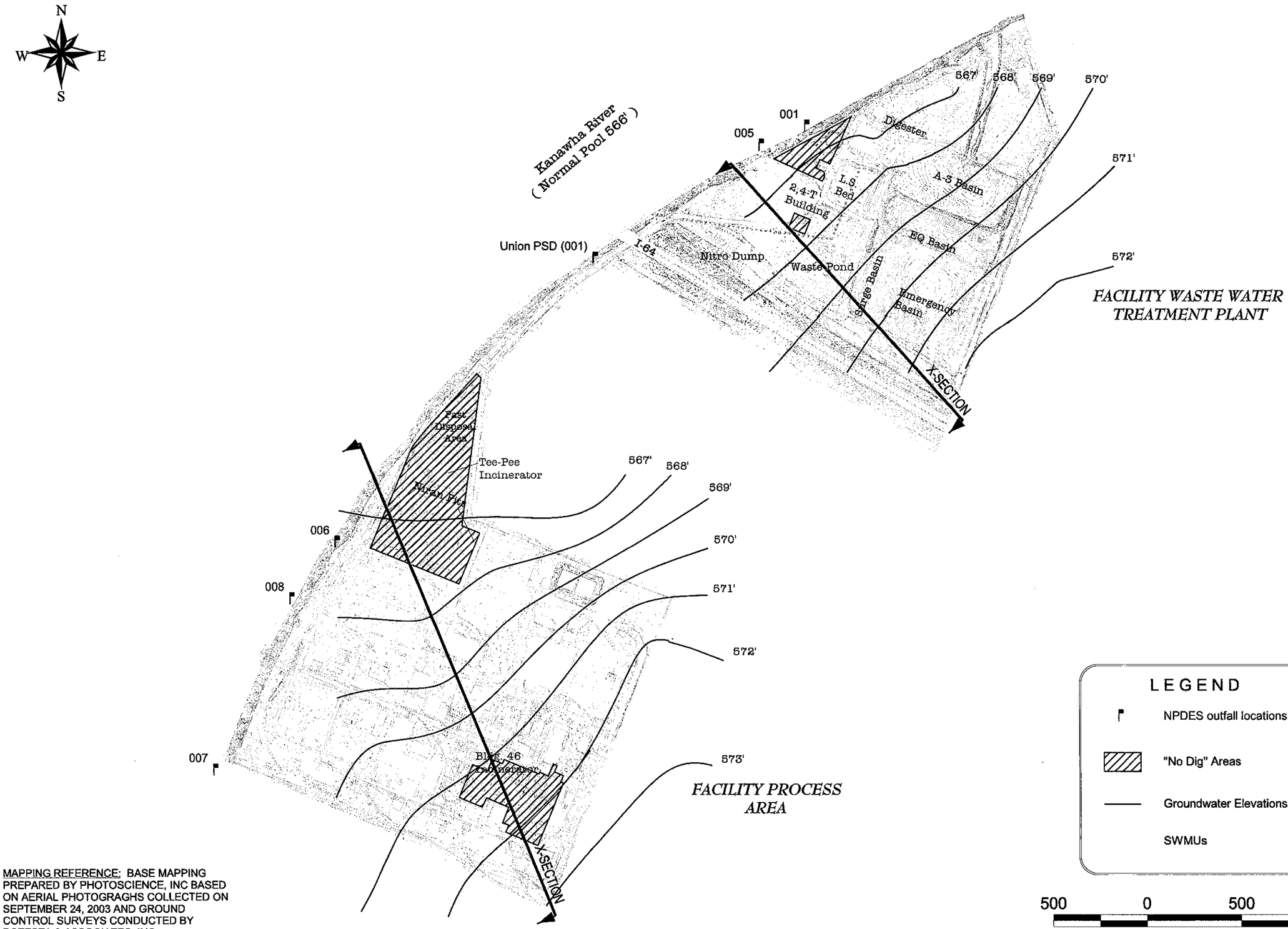
Owner
SOLUTIA, INC.
FLEXSYS AMERICA L.P.
NITRO, WEST VIRGINIA FACILITY

Title
CA-750 INVESTIGATION
SITE PLAN

1
Drawing No.



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Owner
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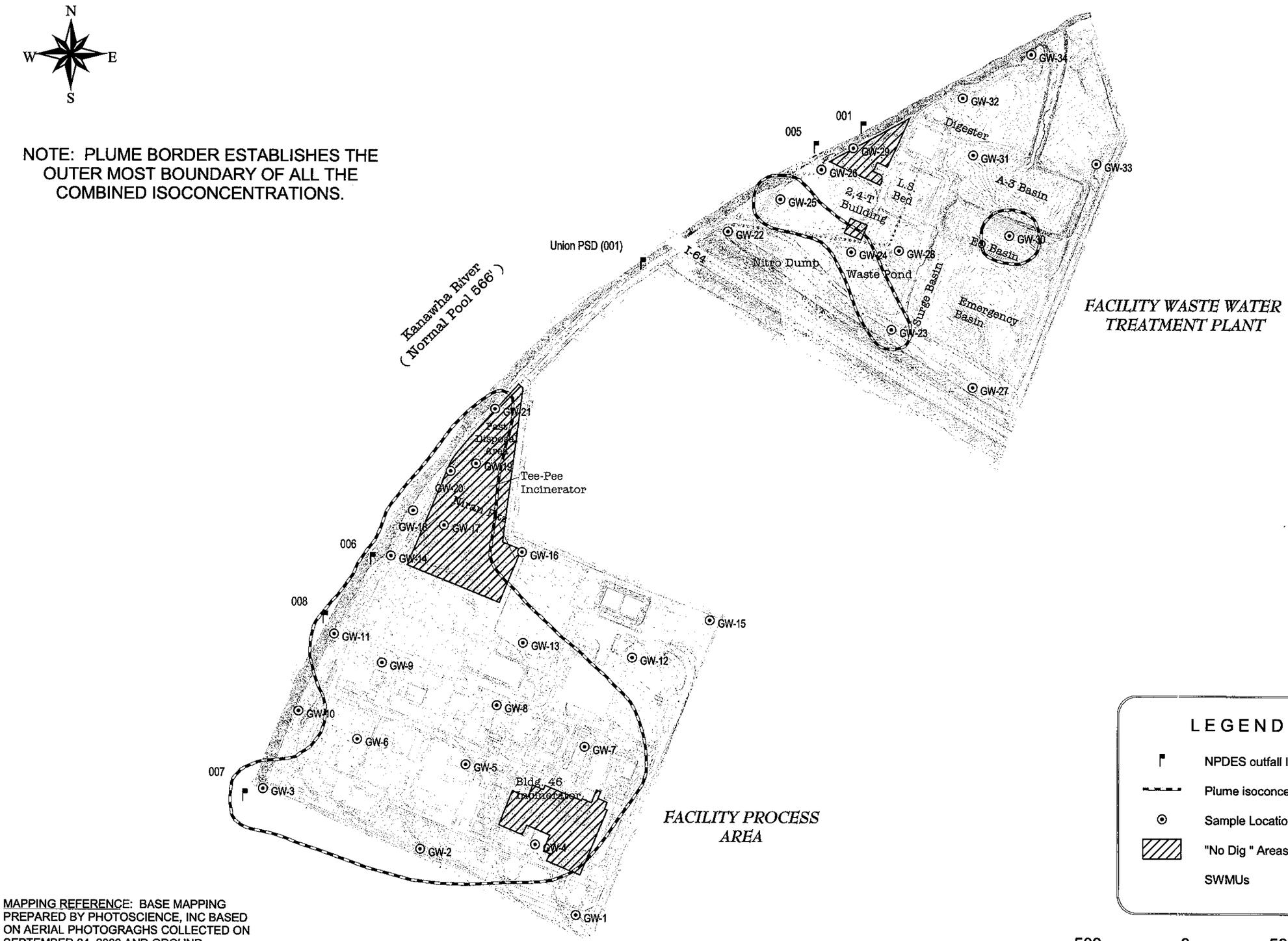
NITRO, WEST VIRGINIA FACILITY

Title
CA-750 INVESTIGATION
GROUNDWATER ELEVATIONS

2
Drawing No.

NOTE: PLUME BORDER ESTABLISHES THE OUTER MOST BOUNDARY OF ALL THE COMBINED ISOCONCENTRATIONS.



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Owner
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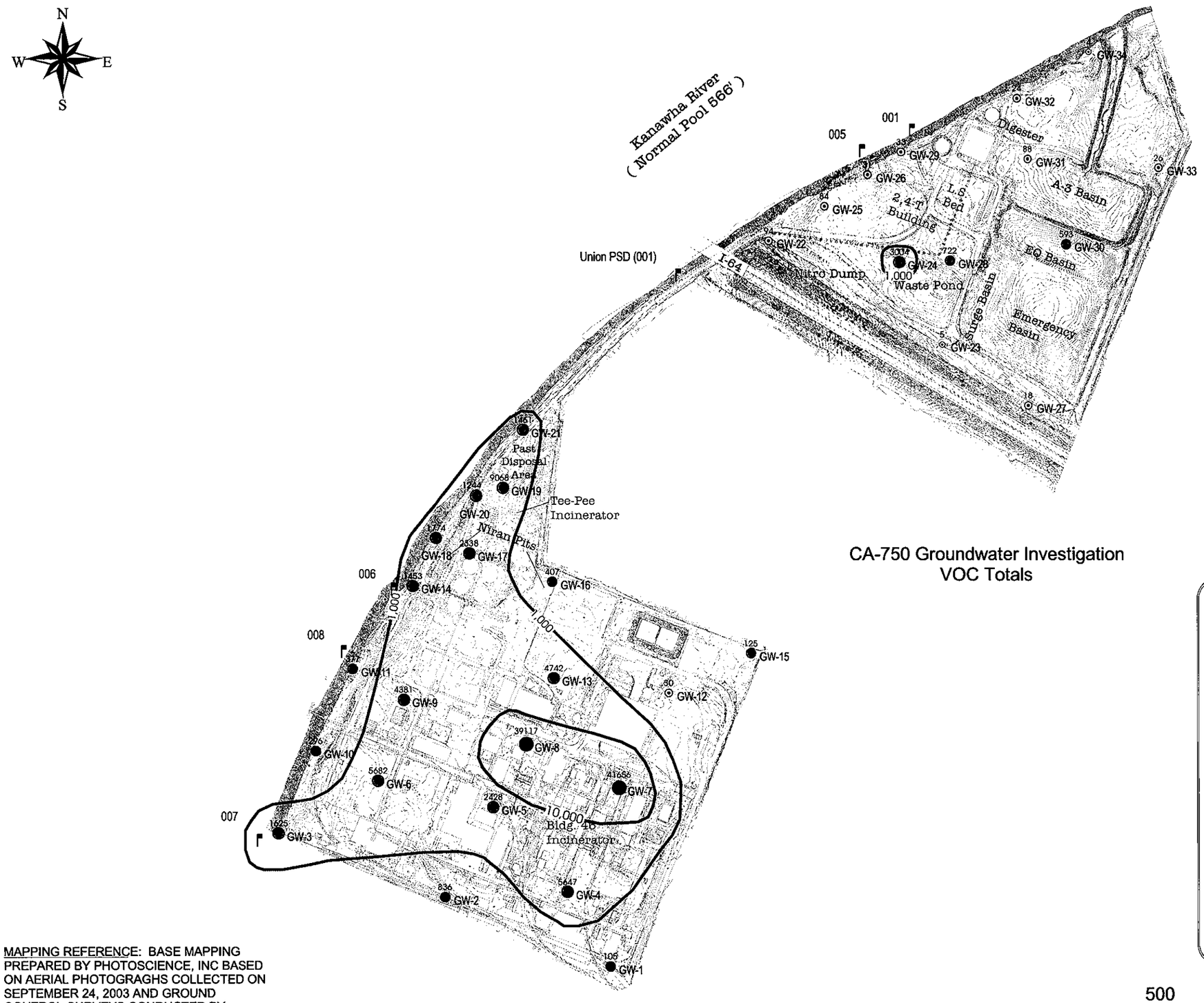
FLEXSYS AMERICA L.P.
NITRO, WEST VIRGINIA FACILITY

Title
CA-750 INVESTIGATION
GROUNDWATER PLUME BOUNDARY

3
Drawing No.



CA-750 Groundwater Investigation
VOC Totals

LEGEND

NPDES outfall locations

VOC Isoconcentrations

- 1000
- 10000

VOC Totals (ug/l)

- 1 - 10
- 10 - 100
- 100 - 1000
- 1000 - 10000
- 10000 - 50000

SWMUs

500 0 500 1000 Feet

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Owner
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FLEXSYS AMERICA L.P.
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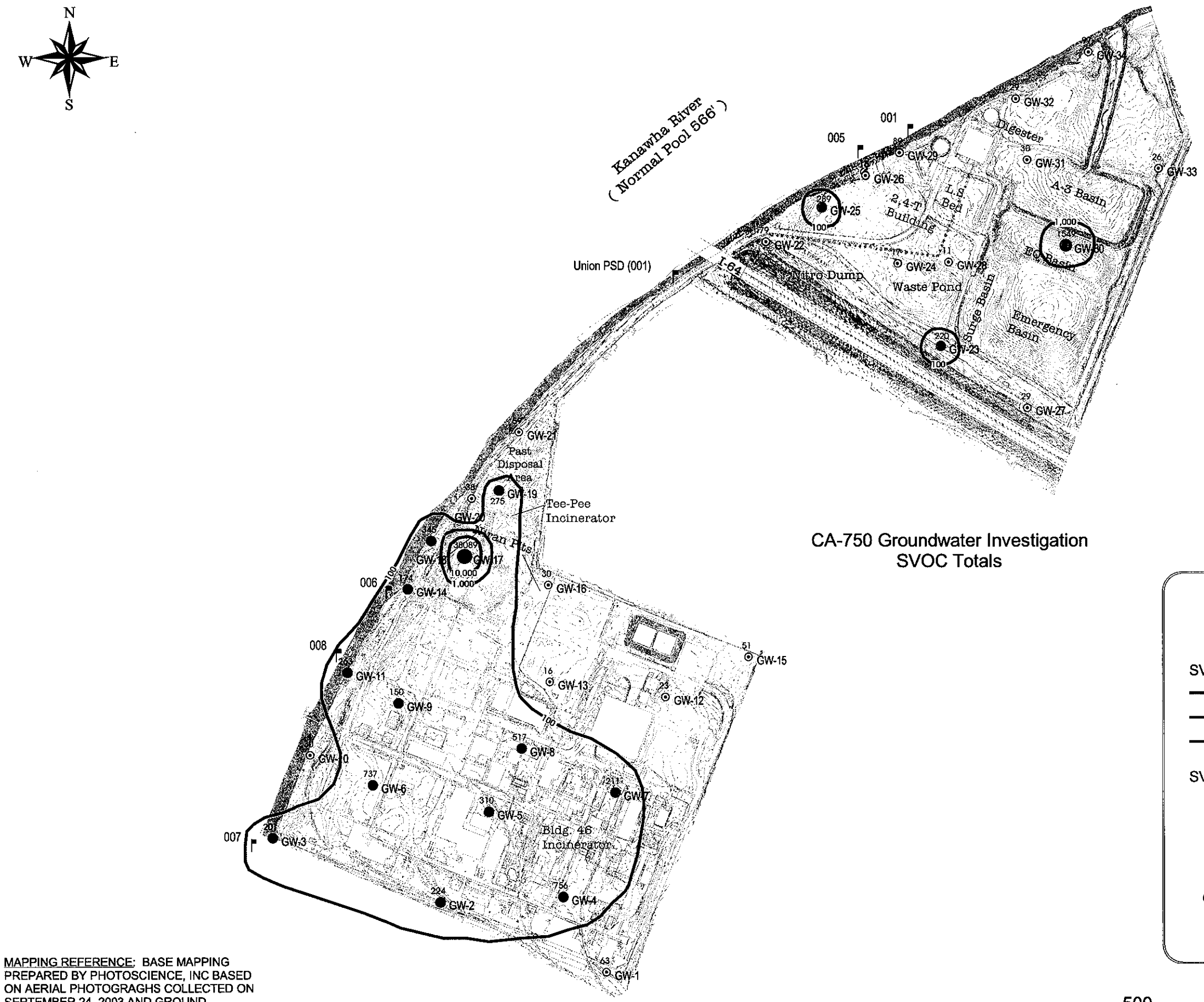
Title
CA-750 INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS
TOTAL VOC CONCENTRATIONS

4
Drawing No.



CA-750 Groundwater Investigation
SVOC Totals

LEGEND

NPDES outfall locations

SVOC Isoconcentrations

100

1000

10000

SVOC Totals (ug/l)

1 - 10

10 - 100

100 - 1000

1000 - 10000

10000 - 50000

SWMUs

500 0 500 1000 Feet

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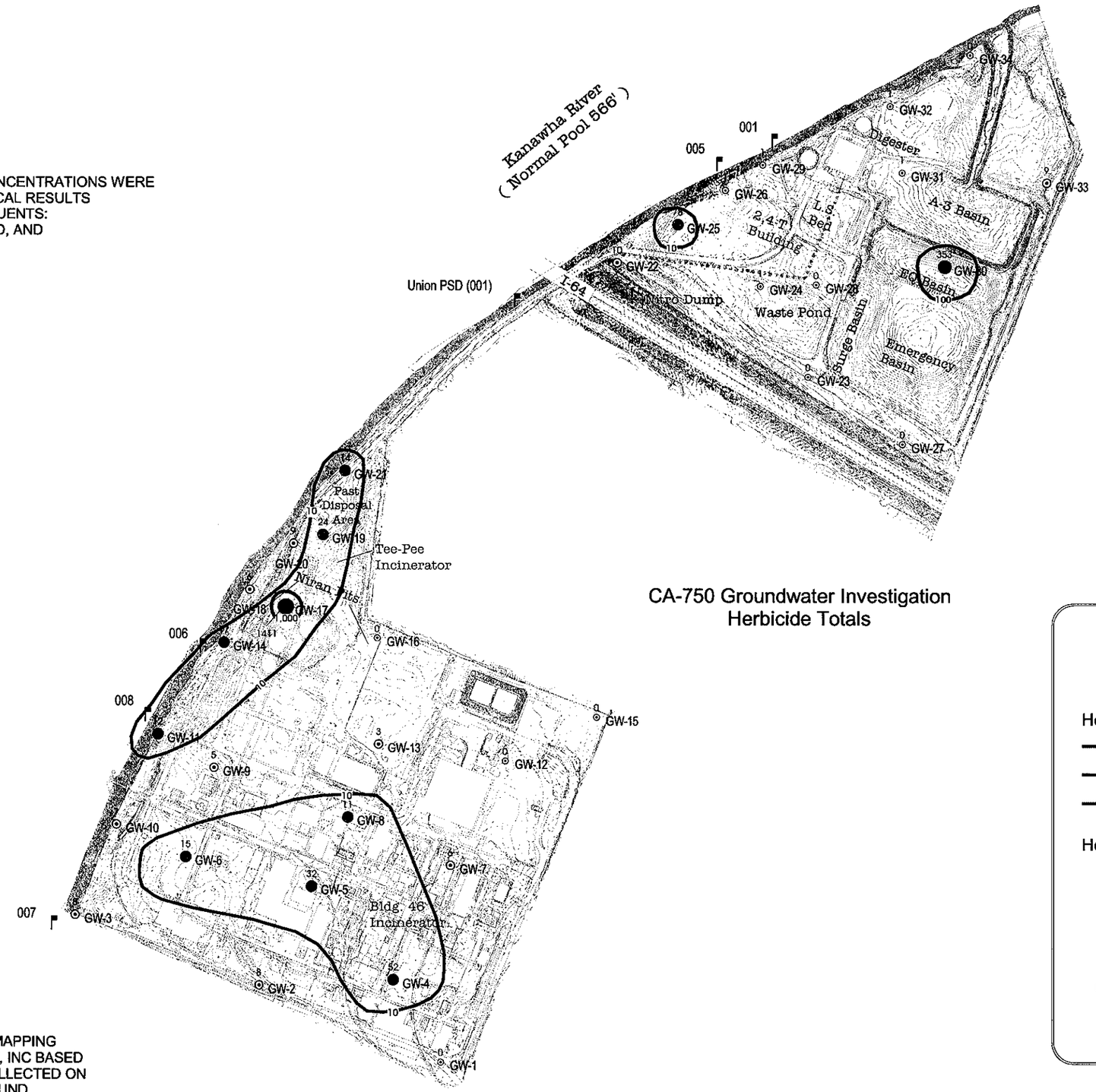
Title
CA-750 INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS
TOTAL SVOC CONCENTRATIONS

5
Drawing No.

NOTE: TOTAL HERBICIDE CONCENTRATIONS WERE DETERMINED FROM ANALYTICAL RESULTS OF THE FOLLOWINGCONSTITUENTS: 2,4,5-T, 2,4,5-TP (SILVEX), 2,4-D, AND PENTACHLOROPHENOL.



CA-750 Groundwater Investigation
Herbicide Totals

LEGEND

NPDES outfall locations

Herbicide Isoconcentrations (ug/l)

- 10
- 100
- 1000

Herbicide Totals (ug/l)

- 0 - 1
- 1 - 10
- 10 - 100
- 100 - 1000
- 1000 - 10000

SWMUs

500 0 500 1000 Feet

MAPPING REFERENCE: BASE MAPPING PREPARED BY PHOTOSCIENCE, INC BASED ON AERIAL PHOTOGRAGHS COLLECTED ON SEPTEMBER 24, 2003 AND GROUND CONTROL SURVEYS CONDUCTED BY POTESTA & ASSOCIATES, INC.

CA-750 EI Project.apr
ArcView File No.

JMS
Drawn

CAG
Checked

CAG
Approved

1" = 500'
Scale

12/10/2003
Date

01-0081-320A
Project No.

Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
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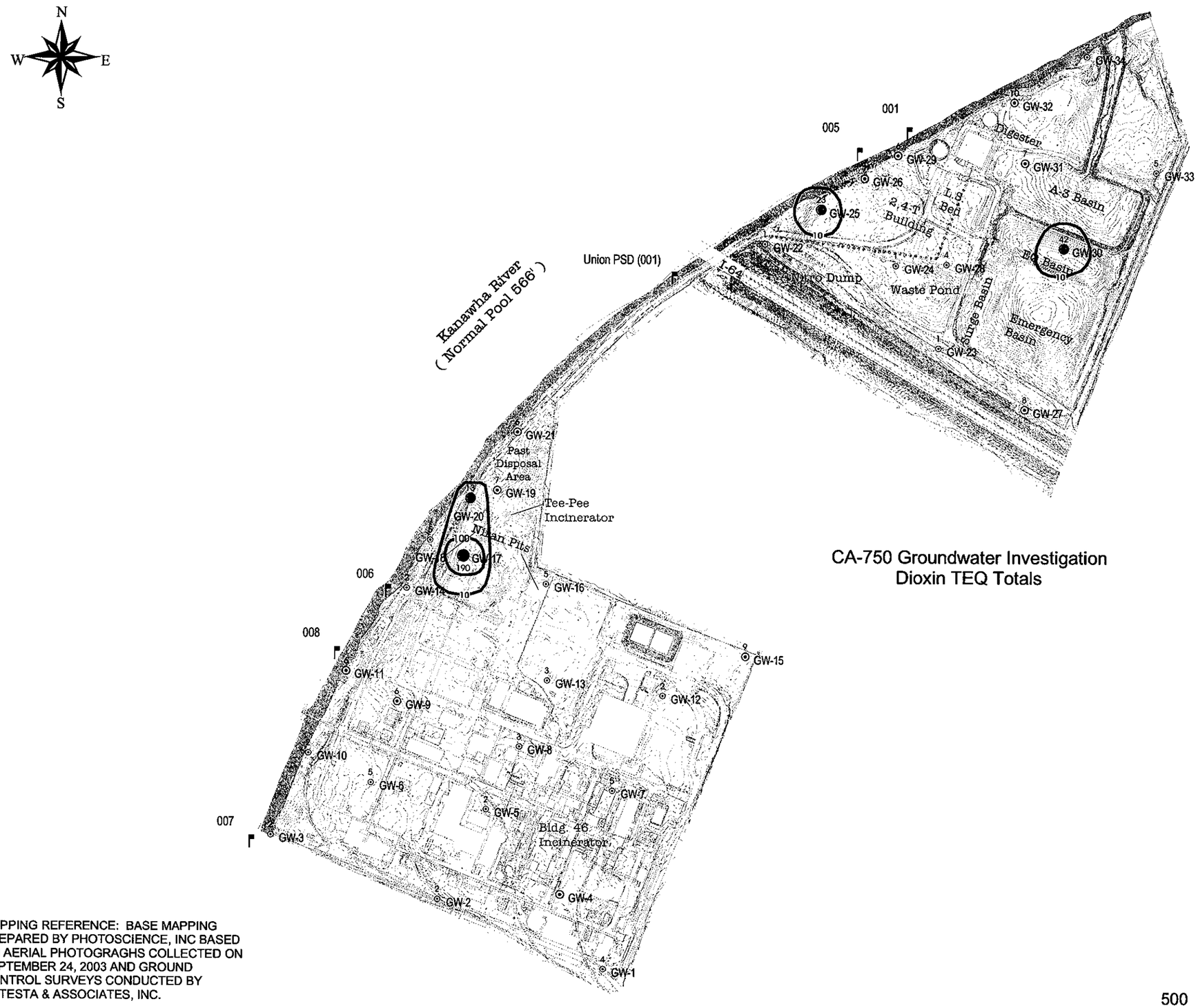
Owner
SOLUTIA, INC.
FLEXSYS AMERICA L.P.
NITRO, WEST VIRGINIA FACILITY

Title
CA-750 INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS
TOTAL HERBICIDE CONCENTRATIONS

Drawing No.
6



CA-750 Groundwater Investigation
Dioxin TEQ Totals

MAPPING REFERENCE: BASE MAPPING PREPARED BY PHOTOSCIENCE, INC BASED ON AERIAL PHOTOGRAGHS COLLECTED ON SEPTEMBER 24, 2003 AND GROUND CONTROL SURVEYS CONDUCTED BY POTESTA & ASSOCIATES, INC.

LEGEND

NPDES outfall locations

Dioxin TEQ Isoconcentrations

10

100

Dioxins Results (pg/l)

1 - 5

5 - 10

10 - 100

100 - 1000

1000 - 10000

SWMUs

500 0 500 1000 Feet

CA-750 El Project.apr
ArcView File No.

JMS
Drawn

CAG
Checked

CAG
Approved

1" = 500'
Scale

12/10/2003
Date

01-0081-320A
Project No.

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Owner
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FLEXSYS AMERICA L.P.
NITRO, WEST VIRGINIA FACILITY

Title
CA-750 INVESTIGATION
SUMMARY OF ANALYTICAL RESULTS
TOTAL DIOXIN TEQ CONCENTRATIONS

Drawing No.
7

APPENDIX B

TABLE 1
Summary of Organic Contaminates of Concern
Groundwater Screening Results

Chemical Constituent	Well Location	Well	Max. Detected (ug/l)
1,1-Dichloroethene	PPA	GW-7A	86
1,1-Dichloroethene	PPA	GW-7B	210
1,1-Dichloroethene	PPA	GW-7C	130
1,1-Dichloroethene	PPA	GW-8C	95
Carbon tetrachloride	PPA River Bank	GW-10A	120
Carbon tetrachloride	TPI	GW-19AA (dup)	61
Carbon tetrachloride	PPA River Bank	GW-3A	340
Carbon tetrachloride	PPA River Bank	GW-3B	830
Carbon tetrachloride	PPA	GW-4A	57
Carbon tetrachloride	PPA	GW-6A	51
Carbon tetrachloride	PPA	GW-9B	60
Vinyl chloride	PPA	GW-4B	5300
Vinyl chloride	PPA	GW-8B	17000
Vinyl chloride	PPA	GW-9C	14000
Trichloroethene	PPA River Bank	GW-11B	870
Trichloroethene	PPA	GW-13B	4200
Trichloroethene	PPA	GW-13C	1900
Trichloroethene	PDA	GW-18A	1200
Trichloroethene	TPI	GW-19A	8600
Trichloroethene	WWTA	GW-24B	2000
Trichloroethene	PPA	GW-6A	4600
Trichloroethene	PPA	GW-7B	14000
Trichloroethene	PPA	GW-7C	4600 J
Trichloroethene	PPA	GW-9B	870
Tetrachloroethene	PPA	GW-4A	110
Tetrachloroethene	PPA	GW-7A	240 U
Tetrachloroethene	PPA	GW-7C	12000
Tetrachloroethene	PPA	GW-8B	91
Tetrachloroethene	PPA	GW-9C	440
PAH	PPA River Bank	GW-3A	4 J
PAH	PPA	GW-4A	1.59
PAH	PPA	GW-8A	5.3
PAH	PPA	GW-8C	4.58 J
PAH	PPA River Bank	GW-10C	6.14
PAH	PPA River Bank	GW-11C	7.55 J
PAH	PDA	GW-17A	160
PAH	PDA	GW-20A	1.63
PAH	WWTA	GW-28A	1.93 J
PAH	WWTA	GW-28C	6.3 J
PAH	WWTA	GW-30A	41
PAH	WWTP A3 Basin	GW-31B	13.75 J
PAH	WWTA	GW-33B	6 J
Halomethanes	TPI	GW-19AA	21 J

Chemical Constituent	Well Location	Well	Max. Detected (ug/l)
Halomethanes	PPA	GW-9C	130
Halomethanes	PDA	GW-21B	32 J
Halomethanes	PDA	GW-21C	25 J
Phthalate esters	PPA	GW-1A	6.8
Phthalate esters	PPA	GW-1B	60
Phthalate esters	PPA	GW-2A	10
Phthalate esters	PPA	GW-2B	170
Phthalate esters	PPA	GW-2C	12 J
Phthalate esters	PPA River Bank	GW-3A	45
Phthalate esters	PPA River Bank	GW-3B	67
Phthalate esters	PPA	GW-4A	4.2
Phthalate esters	PPA	GW-4B	6.1
Phthalate esters	PPA	GW-7A	3.5
Phthalate esters	PPA	GW-7B	28
Phthalate esters	PPA	GW-7C	4.8
Phthalate esters	PPA	GW-8A	3
Phthalate esters	PPA	GW-8B	41
Phthalate esters	PPA	GW-9A	5.8
Phthalate esters	PPA	GW-9B	67
Phthalate esters	PPA	GW-9C	7
Phthalate esters	PPA River Bank	GW-10A	4.9
Phthalate esters	PPA River Bank	GW-10B	10
Phthalate esters	PPA River Bank	GW-11A	39
Phthalate esters	PPA	GW-12B	14
Phthalate esters	PPA	GW-12C	22
Phthalate esters	PPA	GW-13A	4
Phthalate esters	PPA	GW-13B	11
Phthalate esters	PPA	GW-15A	3.3
Phthalate esters	PPA	GW-15B	50
Phthalate esters	PPA	GW-16A	8.5
Phthalate esters	PPA	GW-16B	16
Phthalate esters	PDA	GW-17A	8.7
Phthalate esters	WWTA	GW-22B	44
Phthalate esters	WWTA	GW-22C	11
Phthalate esters	WWTA	GW-23C	290
Phthalate esters	WWTA	GW-24B	5.5
Phthalate esters	Nitro Dump	GW-25A	5.4
Phthalate esters	WWTA River Bank	GW-29A	43
Phthalate esters	WWTA River Bank	GW-34A	46
Phthalate esters	WWTA River Bank	GW-34B	93
Phthalate esters	WWTA River Bank	GW-34C	16
2,3,7,8-TCDD	PDA	GW-17B (filtered)	42 pg/l

The remaining filtered samples were non-detect for 2,3,7,8-TCDD.

TABLE 2
Summary of Organic Contaminates of Concern
Surface Water Screening Results

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
SVOCs 8270			
ASW-1	4-Nitrophenol	50 U	
ASW-1	2,4-Dimethylphenol	10 U	
ASW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
ASW-1	Phenol	10 U	2560
ASW-1	2,4-Dichlorophenol	10 U	
ASW-1	4-Chloro-3-methylphenol	10 U	
ASW-1	Aniline	20 U	
ASW-1	N-Nitrosodiphenylamine	10 U	
ASW-1	2,4,6-Trichlorophenol	10 U	
ASW-1	Naphthalene	10 U	
ASW-1	2-Methylnaphthalene	10 U	
ASW-1	2-Methylphenol (o-Cresol)	10 U	
ASW-1	2,4,5-Trichlorophenol	10 U	
ASW-2	4-Nitrophenol	50 U	
ASW-2	2,4-Dimethylphenol	10 U	
ASW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
ASW-2	Phenol	10 U	2560
ASW-2	2,4-Dichlorophenol	10 U	
ASW-2	4-Chloro-3-methylphenol	10 U	
ASW-2	Aniline	20 U	
ASW-2	N-Nitrosodiphenylamine	10 U	
ASW-2	2,4,6-Trichlorophenol	10 U	
ASW-2	Naphthalene	10 U	
ASW-2	2-Methylnaphthalene	10 U	
ASW-2	2-Methylphenol (o-Cresol)	10 U	
ASW-2	2,4,5-Trichlorophenol	10 U	
ASW-3	2,4-Dimethylphenol	10 U	
ASW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
ASW-3	Phenol	10 U	2560
ASW-3	2,4-Dichlorophenol	10 U	
ASW-3	4-Chloro-3-methylphenol	10 U	
ASW-3	Aniline	20 U	
ASW-3	N-Nitrosodiphenylamine	10 U	
ASW-3	2,4,6-Trichlorophenol	10 U	
ASW-3	Naphthalene	10 U	
ASW-3	2-Methylnaphthalene	10 U	
ASW-3	2-Methylphenol (o-Cresol)	10 U	
ASW-3	2,4,5-Trichlorophenol	10 U	
ASW-3	4-Nitrophenol	50 U	
ASW-4	2,4-Dimethylphenol	10 U	
ASW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
ASW-4	Phenol	10 U	2560

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
ASW-4	2,4-Dichlorophenol	10 U	
ASW-4	4-Chloro-3-methylphenol	10 U	
ASW-4	Aniline	20 U	
ASW-4	N-Nitrosodiphenylamine	10 U	
ASW-4	2,4,6-Trichlorophenol	10 U	
ASW-4	Naphthalene	10 U	
ASW-4	2-Methylnaphthalene	10 U	
ASW-4	2-Methylphenol (o-Cresol)	10 U	
ASW-4	2,4,5-Trichlorophenol	10 U	
BSW-2	4-Nitrophenol	50 U	
BSW-2	2,4-Dimethylphenol	10 U	
BSW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
BSW-2	Phenol	10 U	2560
BSW-2	2,4-Dichlorophenol	10 U	
BSW-2	4-Chloro-3-methylphenol	10 U	
BSW-2	Aniline	20 U	
BSW-2	N-Nitrosodiphenylamine	10 U	
BSW-2	2,4,6-Trichlorophenol	10 U	
BSW-2	Naphthalene	10 U	
BSW-2	2-Methylnaphthalene	10 U	
BSW-2	2-Methylphenol (o-Cresol)	10 U	
BSW-2	2,4,5-Trichlorophenol	10 U	
DSW-1	4-Nitrophenol	50 U	
DSW-1	2,4-Dimethylphenol	10 U	
DSW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
DSW-1	Phenol	10 U	2560
DSW-1	2,4-Dichlorophenol	10 U	
DSW-1	4-Chloro-3-methylphenol	10 U	
DSW-1	Aniline	20 U	
DSW-1	N-Nitrosodiphenylamine	10 U	
DSW-1	2,4,6-Trichlorophenol	10 U	
DSW-1	Naphthalene	10 U	
DSW-1	2-Methylnaphthalene	10 U	
DSW-1	2-Methylphenol (o-Cresol)	10 U	
DSW-1	2,4,5-Trichlorophenol	10 U	
DSW-1	4-Nitrophenol	50 U	
DSW-1	2,4-Dimethylphenol	10 U	
DSW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
DSW-1	Phenol	10 U	2560
DSW-1	2,4-Dichlorophenol	10 U	
DSW-1	4-Chloro-3-methylphenol	10 U	
DSW-1	Aniline	20 U	
DSW-1	N-Nitrosodiphenylamine	10 U	
DSW-1	2,4,6-Trichlorophenol	10 U	
DSW-1	Naphthalene	10 U	
DSW-1	2-Methylnaphthalene	10 U	
DSW-1	2-Methylphenol (o-Cresol)	10 U	
DSW-1	2,4,5-Trichlorophenol	10 U	

Location	Parameter	Result (ug/l)		Screening Limit AWQC (ug/l)
DSW-2	4-Nitrophenol	50	U	
DSW-2	2,4-Dimethylphenol	10	U	
DSW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
DSW-2	Phenol	10	U	2560
DSW-2	2,4-Dichlorophenol	10	U	
DSW-2	4-Chloro-3-methylphenol	10	U	
DSW-2	Aniline	20	U	
DSW-2	N-Nitrosodiphenylamine	10	U	
DSW-2	2,4,6-Trichlorophenol	10	U	
DSW-2	Naphthalene	10	U	
DSW-2	2-Methylnaphthalene	10	U	
DSW-2	2-Methylphenol (o-Cresol)	10	U	
DSW-2	2,4,5-Trichlorophenol	10	U	
DSW-3	4-Nitrophenol	50	U	
DSW-3	2,4-Dimethylphenol	10	U	
DSW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
DSW-3	Phenol	10	U	2560
DSW-3	2,4-Dichlorophenol	10	U	
DSW-3	4-Chloro-3-methylphenol	10	U	
DSW-3	Aniline	20	U	
DSW-3	N-Nitrosodiphenylamine	10	U	
DSW-3	2,4,6-Trichlorophenol	10	U	
DSW-3	Naphthalene	10	U	
DSW-3	2-Methylnaphthalene	10	U	
DSW-3	2-Methylphenol (o-Cresol)	10	U	
DSW-3	2,4,5-Trichlorophenol	10	U	
DSW-3	4-Nitrophenol	50	U	
DSW-3	2,4-Dimethylphenol	10	U	
DSW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
DSW-3	Phenol	10	U	2560
DSW-3	2,4-Dichlorophenol	10	U	
DSW-3	4-Chloro-3-methylphenol	10	U	
DSW-3	Aniline	20	U	
DSW-3	N-Nitrosodiphenylamine	10	U	
DSW-3	2,4,6-Trichlorophenol	10	U	
DSW-3	Naphthalene	10	U	
DSW-3	2-Methylnaphthalene	10	U	
DSW-3	2-Methylphenol (o-Cresol)	10	U	
DSW-3	2,4,5-Trichlorophenol	10	U	
DSW-4	4-Nitrophenol	50	U	
DSW-4	2,4-Dimethylphenol	10	U	
DSW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
DSW-4	Phenol	10	U	2560
DSW-4	2,4-Dichlorophenol	10	U	
DSW-4	2,4-Dinitrotoluene	10	U	9.1
DSW-4	Pyrene	10	U	
DSW-4	4-Chloro-3-methylphenol	10	U	
DSW-4	N-Nitroso-di-n-propylamine	10	U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
DSW-4	Aniline	20 U	
DSW-4	Acenaphthene	10 U	
DSW-4	N-Nitrosodiphenylamine	10 U	
DSW-4	Pentachlorophenol	50 U	
DSW-4	2,4,6-Trichlorophenol	10 U	
DSW-4	Naphthalene	10 U	
DSW-4	2-Methylnaphthalene	10 U	
DSW-4	2-Methylphenol (o-Cresol)	10 U	
DSW-4	2-Chlorophenol	10 U	
DSW-4	2,4,5-Trichlorophenol	10 U	
DSW-4	4-Nitrophenol	50 U	
DSW-4	2,4-Dimethylphenol	10 U	
DSW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
DSW-4	Phenol	10 U	2560
DSW-4	2,4-Dichlorophenol	10 U	
DSW-4	4-Chloro-3-methylphenol	10 U	
DSW-4	Aniline	20 U	
DSW-4	N-Nitrosodiphenylamine	10 U	
DSW-4	2,4,6-Trichlorophenol	10 U	
DSW-4	Naphthalene	10 U	
DSW-4	2-Methylnaphthalene	10 U	
DSW-4	2-Methylphenol (o-Cresol)	10 U	
DSW-4	2,4,5-Trichlorophenol	10 U	
DSW-5	2,4-Dimethylphenol	10 U	
DSW-5	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
DSW-5	Phenol	10 U	2560
DSW-5	2,4-Dichlorophenol	10 U	
DSW-5	4-Chloro-3-methylphenol	10 U	
DSW-5	Aniline	20 U	
DSW-5	N-Nitrosodiphenylamine	10 U	
DSW-5	2,4,6-Trichlorophenol	10 U	
DSW-5	Naphthalene	10 U	
DSW-5	2-Methylnaphthalene	10 U	
DSW-5	2-Methylphenol (o-Cresol)	10 U	
DSW-5	2,4,5-Trichlorophenol	10 U	
DSW-5	4-Nitrophenol	50 U	
DSW-5	2,4-Dimethylphenol	10 U	
DSW-5	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
DSW-5	Phenol	10 U	2560
DSW-5	2,4-Dichlorophenol	10 U	
DSW-5	4-Chloro-3-methylphenol	10 U	
DSW-5	Aniline	20 U	
DSW-5	N-Nitrosodiphenylamine	10 U	
DSW-5	2,4,6-Trichlorophenol	10 U	
DSW-5	Naphthalene	10 U	
DSW-5	2-Methylnaphthalene	10 U	
DSW-5	2-Methylphenol (o-Cresol)	10 U	
DSW-5	2,4,5-Trichlorophenol	10 U	

Location	Parameter	Result (ug/l)		Screening Limit AWQC (ug/l)
ESW-1	4-Nitrophenol	50	U	
ESW-1	2,4-Dimethylphenol	10	U	
ESW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
ESW-1	Phenol	10	U	2560
ESW-1	2,4-Dichlorophenol	10	U	
ESW-1	4-Chloro-3-methylphenol	10	U	
ESW-1	Aniline	20	U	
ESW-1	N-Nitrosodiphenylamine	10	U	
ESW-1	2,4,6-Trichlorophenol	10	U	
ESW-1	Naphthalene	10	U	
ESW-1	2-Methylnaphthalene	10	U	
ESW-1	2-Methylphenol (o-Cresol)	10	U	
ESW-1	2,4,5-Trichlorophenol	10	U	
ESW-1	4-Nitrophenol	50	U	
ESW-1	2,4-Dimethylphenol	10	U	
ESW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
ESW-1	Phenol	10	U	2560
ESW-1	2,4-Dichlorophenol	10	U	
ESW-1	4-Chloro-3-methylphenol	10	U	
ESW-1	Aniline	20	U	
ESW-1	N-Nitrosodiphenylamine	10	U	
ESW-1	2,4,6-Trichlorophenol	10	U	
ESW-1	Naphthalene	10	U	
ESW-1	2-Methylnaphthalene	10	U	
ESW-1	2-Methylphenol (o-Cresol)	10	U	
ESW-1	2,4,5-Trichlorophenol	10	U	
ESW-2	4-Nitrophenol	50	U	
ESW-2	2,4-Dimethylphenol	10	U	
ESW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
ESW-2	Phenol	10	U	2560
ESW-2	2,4-Dichlorophenol	10	U	
ESW-2	4-Chloro-3-methylphenol	10	U	
ESW-2	Aniline	20	U	
ESW-2	N-Nitrosodiphenylamine	10	U	
ESW-2	2,4,6-Trichlorophenol	10	U	
ESW-2	Naphthalene	10	U	
ESW-2	2-Methylnaphthalene	10	U	
ESW-2	2-Methylphenol (o-Cresol)	10	U	
ESW-2	2,4,5-Trichlorophenol	10	U	
ESW-2	4-Nitrophenol	50	U	
ESW-2	2,4-Dimethylphenol	10	U	
ESW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
ESW-2	Phenol	10	U	2560
ESW-2	2,4-Dichlorophenol	10	U	
ESW-2	4-Chloro-3-methylphenol	10	U	
ESW-2	Aniline	20	U	
ESW-2	N-Nitrosodiphenylamine	10	U	
ESW-2	2,4,6-Trichlorophenol	10	U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
ESW-2	Naphthalene	10 U	
ESW-2	2-Methylnaphthalene	10 U	
ESW-2	2-Methylphenol (o-Cresol)	10 U	
ESW-2	2,4,5-Trichlorophenol	10 U	
ESW-3	4-Nitrophenol	50 U	
ESW-3	2,4-Dimethylphenol	10 U	
ESW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
ESW-3	Phenol	10 U	2560
ESW-3	2,4-Dichlorophenol	10 U	
ESW-3	4-Chloro-3-methylphenol	10 U	
ESW-3	Aniline	20 U	
ESW-3	N-Nitrosodiphenylamine	10 U	
ESW-3	2,4,6-Trichlorophenol	10 U	
ESW-3	Naphthalene	10 U	
ESW-3	2-Methylnaphthalene	10 U	
ESW-3	2-Methylphenol (o-Cresol)	10 U	
ESW-3	2,4,5-Trichlorophenol	10 U	
ESW-3	4-Nitrophenol	50 U	
ESW-3	2,4-Dimethylphenol	10 U	
ESW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
ESW-3	Phenol	10 U	2560
ESW-3	2,4-Dichlorophenol	10 U	
ESW-3	4-Chloro-3-methylphenol	10 U	
ESW-3	Aniline	20 U	
ESW-3	N-Nitrosodiphenylamine	10 U	
ESW-3	2,4,6-Trichlorophenol	10 U	
ESW-3	Naphthalene	10 U	
ESW-3	2-Methylnaphthalene	10 U	
ESW-3	2-Methylphenol (o-Cresol)	10 U	
ESW-3	2,4,5-Trichlorophenol	10 U	
FSW-1	4-Nitrophenol	50 U	
FSW-1	2,4-Dimethylphenol	10 U	
FSW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-1	Phenol	10 U	2560
FSW-1	2,4-Dichlorophenol	10 U	
FSW-1	4-Chloro-3-methylphenol	10 U	
FSW-1	Aniline	20 U	
FSW-1	N-Nitrosodiphenylamine	10 U	
FSW-1	2,4,6-Trichlorophenol	10 U	
FSW-1	Naphthalene	10 U	
FSW-1	2-Methylnaphthalene	10 U	
FSW-1	2-Methylphenol (o-Cresol)	10 U	
FSW-1	2,4,5-Trichlorophenol	10 U	
FSW-1	4-Nitrophenol	50 U	
FSW-1	2,4-Dimethylphenol	10 U	
FSW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-1	Phenol	10 U	2560
FSW-1	2,4-Dichlorophenol	10 U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
FSW-1	4-Chloro-3-methylphenol	10 U	
FSW-1	Aniline	20 U	
FSW-1	N-Nitrosodiphenylamine	10 U	
FSW-1	2,4,6-Trichlorophenol	10 U	
FSW-1	Naphthalene	10 U	
FSW-1	2-Methylnaphthalene	10 U	
FSW-1	2-Methylphenol (o-Cresol)	10 U	
FSW-1	2,4,5-Trichlorophenol	10 U	
FSW-2	4-Nitrophenol	50 U	
FSW-2	2,4-Dimethylphenol	10 U	
FSW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-2	Phenol	10 U	2560
FSW-2	2,4-Dichlorophenol	10 U	
FSW-2	4-Chloro-3-methylphenol	10 U	
FSW-2	Aniline	20 U	
FSW-2	N-Nitrosodiphenylamine	10 U	
FSW-2	2,4,6-Trichlorophenol	10 U	
FSW-2	Naphthalene	10 U	
FSW-2	2-Methylnaphthalene	10 U	
FSW-2	2-Methylphenol (o-Cresol)	10 U	
FSW-2	2,4,5-Trichlorophenol	10 U	
FSW-2	4-Nitrophenol	50 U	
FSW-2	2,4-Dimethylphenol	10 U	
FSW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-2	Phenol	10 U	2560
FSW-2	2,4-Dichlorophenol	10 U	
FSW-2	4-Chloro-3-methylphenol	10 U	
FSW-2	Aniline	20 U	
FSW-2	N-Nitrosodiphenylamine	10 U	
FSW-2	2,4,6-Trichlorophenol	10 U	
FSW-2	Naphthalene	10 U	
FSW-2	2-Methylnaphthalene	10 U	
FSW-2	2-Methylphenol (o-Cresol)	10 U	
FSW-2	2,4,5-Trichlorophenol	10 U	
FSW-3	4-Nitrophenol	50 U	
FSW-3	2,4-Dimethylphenol	10 U	
FSW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-3	Phenol	10 U	2560
FSW-3	2,4-Dichlorophenol	10 U	
FSW-3	4-Chloro-3-methylphenol	10 U	
FSW-3	Aniline	20 U	
FSW-3	N-Nitrosodiphenylamine	10 U	
FSW-3	2,4,6-Trichlorophenol	10 U	
FSW-3	Naphthalene	10 U	
FSW-3	2-Methylnaphthalene	10 U	
FSW-3	2-Methylphenol (o-Cresol)	10 U	
FSW-3	2,4,5-Trichlorophenol	10 U	
FSW-3	4-Nitrophenol	50 U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
FSW-3	2,4-Dimethylphenol	10 U	
FSW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-3	Phenol	10 U	2560
FSW-3	2,4-Dichlorophenol	10 U	
FSW-3	4-Chloro-3-methylphenol	10 U	
FSW-3	Aniline	20 U	
FSW-3	N-Nitrosodiphenylamine	10 U	
FSW-3	2,4,6-Trichlorophenol	10 U	
FSW-3	Naphthalene	10 U	
FSW-3	2-Methylnaphthalene	10 U	
FSW-3	2-Methylphenol (o-Cresol)	10 U	
FSW-3	2,4,5-Trichlorophenol	10 U	
FSW-4	4-Nitrophenol	50 U	
FSW-4	2,4-Dimethylphenol	10 U	
FSW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-4	Phenol	10 U	2560
FSW-4	2,4-Dichlorophenol	10 U	
FSW-4	4-Chloro-3-methylphenol	10 U	
FSW-4	Aniline	20 U	
FSW-4	N-Nitrosodiphenylamine	10 U	
FSW-4	2,4,6-Trichlorophenol	10 U	
FSW-4	Naphthalene	10 U	
FSW-4	2-Methylnaphthalene	10 U	
FSW-4	2-Methylphenol (o-Cresol)	10 U	
FSW-4	2,4,5-Trichlorophenol	10 U	
FSW-4	4-Nitrophenol	50 U	
FSW-4	2,4-Dimethylphenol	10 U	
FSW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-4	Phenol	10 U	2560
FSW-4	2,4-Dichlorophenol	10 U	
FSW-4	4-Chloro-3-methylphenol	10 U	
FSW-4	Aniline	20 U	
FSW-4	N-Nitrosodiphenylamine	10 U	
FSW-4	2,4,6-Trichlorophenol	10 U	
FSW-4	Naphthalene	10 U	
FSW-4	2-Methylnaphthalene	10 U	
FSW-4	2-Methylphenol (o-Cresol)	10 U	
FSW-4	2,4,5-Trichlorophenol	10 U	
FSW-5	4-Nitrophenol	50 U	
FSW-5	2,4-Dimethylphenol	10 U	
FSW-5	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-5	Phenol	10 U	2560
FSW-5	2,4-Dichlorophenol	10 U	
FSW-5	4-Chloro-3-methylphenol	10 U	
FSW-5	Aniline	20 U	
FSW-5	N-Nitrosodiphenylamine	10 U	
FSW-5	2,4,6-Trichlorophenol	10 U	
FSW-5	Naphthalene	10 U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
FSW-5	2-Methylnaphthalene	10 U	
FSW-5	2-Methylphenol (o-Cresol)	10 U	
FSW-5	2,4,5-Trichlorophenol	10 U	
FSW-5	4-Nitrophenol	50 U	
FSW-5	2,4-Dimethylphenol	10 U	
FSW-5	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
FSW-5	Phenol	10 U	2560
FSW-5	2,4-Dichlorophenol	10 U	
FSW-5	4-Chloro-3-methylphenol	10 U	
FSW-5	Aniline	20 U	
FSW-5	N-Nitrosodiphenylamine	10 U	
FSW-5	2,4,6-Trichlorophenol	10 U	
FSW-5	Naphthalene	10 U	
FSW-5	2-Methylnaphthalene	10 U	
FSW-5	2-Methylphenol (o-Cresol)	10 U	
FSW-5	2,4,5-Trichlorophenol	10 U	
GSW-1	4-Nitrophenol	50 U	
GSW-1	2,4-Dimethylphenol	10 U	
GSW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-1	Phenol	10 U	2560
GSW-1	2,4-Dichlorophenol	10 U	
GSW-1	4-Chloro-3-methylphenol	10 U	
GSW-1	Aniline	20 U	
GSW-1	N-Nitrosodiphenylamine	10 U	
GSW-1	2,4,6-Trichlorophenol	10 U	
GSW-1	Naphthalene	10 U	
GSW-1	2-Methylnaphthalene	10 U	
GSW-1	2-Methylphenol (o-Cresol)	10 U	
GSW-1	2,4,5-Trichlorophenol	10 U	
GSW-1	4-Nitrophenol	50 U	
GSW-1	2,4-Dimethylphenol	10 U	
GSW-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-1	Phenol	10 U	2560
GSW-1	2,4-Dichlorophenol	10 U	
GSW-1	4-Chloro-3-methylphenol	10 U	
GSW-1	Aniline	20 U	
GSW-1	N-Nitrosodiphenylamine	10 U	
GSW-1	2,4,6-Trichlorophenol	10 U	
GSW-1	Naphthalene	10 U	
GSW-1	2-Methylnaphthalene	10 U	
GSW-1	2-Methylphenol (o-Cresol)	10 U	
GSW-1	2,4,5-Trichlorophenol	10 U	
GSW-2	4-Nitrophenol	50 U	
GSW-2	2,4-Dimethylphenol	10 U	
GSW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-2	Phenol	10 U	2560
GSW-2	2,4-Dichlorophenol	10 U	
GSW-2	4-Chloro-3-methylphenol	10 U	

Location	Parameter	Result (ug/l)		Screening Limit AWQC (ug/l)
GSW-2	Aniline	20	U	
GSW-2	N-Nitrosodiphenylamine	10	U	
GSW-2	2,4,6-Trichlorophenol	10	U	
GSW-2	Naphthalene	10	U	
GSW-2	2-Methylnaphthalene	10	U	
GSW-2	2-Methylphenol (o-Cresol)	10	U	
GSW-2	2,4,5-Trichlorophenol	10	U	
GSW-2	4-Nitrophenol	50	U	
GSW-2	2,4-Dimethylphenol	10	U	
GSW-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
GSW-2	Phenol	10	U	2560
GSW-2	2,4-Dichlorophenol	10	U	
GSW-2	4-Chloro-3-methylphenol	10	U	
GSW-2	Aniline	20	U	
GSW-2	N-Nitrosodiphenylamine	10	U	
GSW-2	2,4,6-Trichlorophenol	10	U	
GSW-2	Naphthalene	10	U	
GSW-2	2-Methylnaphthalene	10	U	
GSW-2	2-Methylphenol (o-Cresol)	10	U	
GSW-2	2,4,5-Trichlorophenol	10	U	
GSW-3	4-Nitrophenol	50	U	
GSW-3	2,4-Dimethylphenol	10	U	
GSW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
GSW-3	Phenol	10	U	2560
GSW-3	2,4-Dichlorophenol	10	U	
GSW-3	4-Chloro-3-methylphenol	10	U	
GSW-3	Aniline	20	U	
GSW-3	N-Nitrosodiphenylamine	10	U	
GSW-3	2,4,6-Trichlorophenol	10	U	
GSW-3	Naphthalene	10	U	
GSW-3	2-Methylnaphthalene	10	U	
GSW-3	2-Methylphenol (o-Cresol)	10	U	
GSW-3	2,4,5-Trichlorophenol	10	U	
GSW-3	4-Nitrophenol	50	U	
GSW-3	2,4-Dimethylphenol	10	U	
GSW-3	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
GSW-3	Phenol	10	U	2560
GSW-3	2,4-Dichlorophenol	10	U	
GSW-3	4-Chloro-3-methylphenol	10	U	
GSW-3	Aniline	20	U	
GSW-3	N-Nitrosodiphenylamine	10	U	
GSW-3	2,4,6-Trichlorophenol	10	U	
GSW-3	Naphthalene	10	U	
GSW-3	2-Methylnaphthalene	10	U	
GSW-3	2-Methylphenol (o-Cresol)	10	U	
GSW-3	2,4,5-Trichlorophenol	10	U	
GSW-4	4-Nitrophenol	50	U	
GSW-4	2,4-Dimethylphenol	10	U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
GSW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-4	Phenol	10 U	2560
GSW-4	2,4-Dichlorophenol	10 U	
GSW-4	4-Chloro-3-methylphenol	10 U	
GSW-4	Aniline	20 U	
GSW-4	N-Nitrosodiphenylamine	10 U	
GSW-4	2,4,6-Trichlorophenol	10 U	
GSW-4	Naphthalene	10 U	
GSW-4	2-Methylnaphthalene	10 U	
GSW-4	2-Methylphenol (o-Cresol)	10 U	
GSW-4	2,4,5-Trichlorophenol	10 U	
GSW-4	4-Chloro-3-methylphenol	10 U	
GSW-4	Aniline	20 U	
GSW-4	N-Nitrosodiphenylamine	10 U	
GSW-4	2,4,6-Trichlorophenol	10 U	
GSW-4	Naphthalene	10 U	
GSW-4	2-Methylnaphthalene	10 U	
GSW-4	2-Methylphenol (o-Cresol)	10 U	
GSW-4	2,4,5-Trichlorophenol	10 U	
GSW-4	4-Nitrophenol	50 U	
GSW-4	2,4-Dimethylphenol	10 U	
GSW-4	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-4	Phenol	10 U	2560
GSW-4	2,4-Dichlorophenol	10 U	
GSW-5	4-Nitrophenol	50 U	
GSW-5	2,4-Dimethylphenol	10 U	
GSW-5	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-5	Phenol	10 U	2560
GSW-5	2,4-Dichlorophenol	10 U	
GSW-5	4-Chloro-3-methylphenol	10 U	
GSW-5	Aniline	20 U	
GSW-5	N-Nitrosodiphenylamine	10 U	
GSW-5	2,4,6-Trichlorophenol	10 U	
GSW-5	Naphthalene	10 U	
GSW-5	2-Methylnaphthalene	10 U	
GSW-5	2-Methylphenol (o-Cresol)	10 U	
GSW-5	2,4,5-Trichlorophenol	10 U	
GSW-5	4-Nitrophenol	50 U	
GSW-5	2,4-Dimethylphenol	10 U	
GSW-5	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-5	Phenol	10 U	2560
GSW-5	2,4-Dichlorophenol	10 U	
GSW-5	4-Chloro-3-methylphenol	10 U	
GSW-5	Aniline	20 U	
GSW-5	N-Nitrosodiphenylamine	10 U	
GSW-5	2,4,6-Trichlorophenol	10 U	
GSW-5	Naphthalene	10 U	
GSW-5	2-Methylnaphthalene	10 U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
GSW-5	2-Methylphenol (o-Cresol)	10 U	
GSW-5	2,4,5-Trichlorophenol	10 U	
GSW-6	4-Nitrophenol	50 U	
GSW-6	2,4-Dimethylphenol	10 U	
GSW-6	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-6	Phenol	10 U	2560
GSW-6	2,4-Dichlorophenol	10 U	
GSW-6	4-Chloro-3-methylphenol	10 U	
GSW-6	Aniline	20 U	
GSW-6	N-Nitrosodiphenylamine	10 U	
GSW-6	2,4,6-Trichlorophenol	10 U	
GSW-6	Naphthalene	10 U	
GSW-6	2-Methylnaphthalene	10 U	
GSW-6	2-Methylphenol (o-Cresol)	10 U	
GSW-6	2,4,5-Trichlorophenol	10 U	
GSW-6	4-Nitrophenol	50 U	
GSW-6	2,4-Dimethylphenol	10 U	
GSW-6	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
GSW-6	Phenol	10 U	2560
GSW-6	2,4-Dichlorophenol	10 U	
GSW-6	4-Chloro-3-methylphenol	10 U	
GSW-6	Aniline	20 U	
GSW-6	N-Nitrosodiphenylamine	10 U	
GSW-6	2,4,6-Trichlorophenol	10 U	
GSW-6	Naphthalene	10 U	
GSW-6	2-Methylnaphthalene	10 U	
GSW-6	2-Methylphenol (o-Cresol)	10 U	
GSW-6	2,4,5-Trichlorophenol	10 U	
SWBG-1	4-Nitrophenol	50 U	
SWBG-1	2,4-Dimethylphenol	10 U	
SWBG-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10 U	
SWBG-1	Phenol	10 U	2560
SWBG-1	2,4-Dichlorophenol	10 U	
SWBG-1	4-Chloro-3-methylphenol	10 U	
SWBG-1	Aniline	20 U	
SWBG-1	N-Nitrosodiphenylamine	10 U	
SWBG-1	2,4,6-Trichlorophenol	10 U	
SWBG-1	Naphthalene	10 U	
SWBG-1	2-Methylnaphthalene	10 U	
SWBG-1	2-Methylphenol (o-Cresol)	10 U	
SWBG-1	2,4,5-Trichlorophenol	10 U	
SWBG-1	4-Chloro-3-methylphenol	10 U	
SWBG-1	Aniline	20 U	
SWBG-1	N-Nitrosodiphenylamine	10 U	
SWBG-1	2,4,6-Trichlorophenol	10 U	
SWBG-1	Naphthalene	10 U	
SWBG-1	2-Methylnaphthalene	10 U	
SWBG-1	2-Methylphenol (o-Cresol)	10 U	

Location	Parameter	Result (ug/l)		Screening Limit AWQC (ug/l)
SWBG-1	2,4,5-Trichlorophenol	10	U	
SWBG-1	4-Nitrophenol	50	U	
SWBG-1	2,4-Dimethylphenol	10	U	
SWBG-1	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
SWBG-1	Phenol	10	U	2560
SWBG-1	2,4-Dichlorophenol	10	U	
SWBG-2	4-Nitrophenol	50	U	
SWBG-2	2,4-Dimethylphenol	10	U	
SWBG-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
SWBG-2	Phenol	10	U	2560
SWBG-2	2,4-Dichlorophenol	10	U	
SWBG-2	4-Chloro-3-methylphenol	10	U	
SWBG-2	Aniline	20	U	
SWBG-2	N-Nitrosodiphenylamine	10	U	
SWBG-2	2,4,6-Trichlorophenol	10	U	
SWBG-2	Naphthalene	10	U	
SWBG-2	2-Methylnaphthalene	10	U	
SWBG-2	2-Methylphenol (o-Cresol)	10	U	
SWBG-2	2,4,5-Trichlorophenol	10	U	
SWBG-2	4-Nitrophenol	50	U	
SWBG-2	2,4-Dimethylphenol	10	U	
SWBG-2	3-Methylphenol/4-Methylphenol (m&p-Cresol)	10	U	
SWBG-2	Phenol	10	U	2560
SWBG-2	2,4-Dichlorophenol	10	U	
SWBG-2	4-Chloro-3-methylphenol	10	U	
SWBG-2	Aniline	20	U	
SWBG-2	N-Nitrosodiphenylamine	10	U	
SWBG-2	2,4,6-Trichlorophenol	10	U	
SWBG-2	Naphthalene	10	U	
SWBG-2	2-Methylnaphthalene	10	U	
SWBG-2	2-Methylphenol (o-Cresol)	10	U	
SWBG-2	2,4,5-Trichlorophenol	10	U	
VOCs 8260				
ASW-1	Ethylbenzene	1	U	29000
ASW-1	trans-1,3-Dichloropropene	1	U	
ASW-1	Toluene	1	U	200000
ASW-1	Chlorobenzene	1	U	21000
ASW-1	cis-1,2-Dichloroethene	1	U	
ASW-1	trans-1,2-Dichloroethene	1	U	
ASW-1	Carbon tetrachloride	1	U	4.4
ASW-1	Chloroform	1	U	470
ASW-1	Benzene	0.16	J	71
ASW-1	Vinyl chloride	1	U	525
ASW-1	Trichloroethene	0.23	JB	81
ASW-2	Ethylbenzene	1	U	29000
ASW-2	trans-1,3-Dichloropropene	1	U	
ASW-2	Toluene	1	U	200000
ASW-2	Chlorobenzene	1	U	21000

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
ASW-2	cis-1,2-Dichloroethene	1 U	
ASW-2	trans-1,2-Dichloroethene	1 U	
ASW-2	Carbon tetrachloride	1 U	4.4
ASW-2	Chloroform	1 U	470
ASW-2	Benzene	0.13 J	71
ASW-2	Vinyl chloride	1 U	525
ASW-2	Trichloroethene	1 U	81
ASW-3	Ethylbenzene	1 U	29000
ASW-3	trans-1,3-Dichloropropene	1 U	
ASW-3	Toluene	1 U	200000
ASW-3	Chlorobenzene	1 U	21000
ASW-3	cis-1,2-Dichloroethene	1 U	
ASW-3	trans-1,2-Dichloroethene	1 U	
ASW-3	Carbon tetrachloride	1 U	4.4
ASW-3	Chloroform	1 U	470
ASW-3	Benzene	0.23 J	71
ASW-3	Vinyl chloride	1 U	525
ASW-3	Trichloroethene	0.38 JB	81
ASW-4	Ethylbenzene	1 U	29000
ASW-4	trans-1,3-Dichloropropene	1 U	
ASW-4	Toluene	1 U	200000
ASW-4	Chlorobenzene	1 U	21000
ASW-4	cis-1,2-Dichloroethene	1.8	
ASW-4	trans-1,2-Dichloroethene	1 U	
ASW-4	Carbon tetrachloride	1 U	4.4
ASW-4	Chloroform	1 U	470
ASW-4	Benzene	0.23 J	71
ASW-4	Vinyl chloride	1.1	525
ASW-4	Trichloroethene	0.52 JB	81
BSW-2	Ethylbenzene	1 U	29000
BSW-2	trans-1,3-Dichloropropene	1 U	
BSW-2	Toluene	1 U	200000
BSW-2	Chlorobenzene	1 U	21000
BSW-2	cis-1,2-Dichloroethene	0.72 J	
BSW-2	trans-1,2-Dichloroethene	1 U	
BSW-2	Carbon tetrachloride	1 U	4.4
BSW-2	Chloroform	1 U	470
BSW-2	Benzene	0.3 JB	71
BSW-2	Vinyl chloride	1 U	525
BSW-2	Trichloroethene	0.29 J	81
DSW-1	Ethylbenzene	1 U	29000
DSW-1	trans-1,3-Dichloropropene	1 U	
DSW-1	Toluene	1 U	200000
DSW-1	Chlorobenzene	1 U	21000
DSW-1	cis-1,2-Dichloroethene	1 U	
DSW-1	trans-1,2-Dichloroethene	1 U	
DSW-1	Carbon tetrachloride	1.2	4.4
DSW-1	Chloroform	0.25 J	470

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
DSW-1	Benzene	0.32 J	71
DSW-1	Vinyl chloride	1 U	525
DSW-1	Trichloroethene	3.5 B	81
DSW-1	Ethylbenzene	1.0 U	29000
DSW-1	trans-1,3-Dichloropropene	1.0 U	
DSW-1	Toluene	1.0 U	200000
DSW-1	Chlorobenzene	1.0 U	21000
DSW-1	cis-1,2-Dichloroethene	1.0 U	
DSW-1	trans-1,2-Dichloroethene	1.0 U	
DSW-1	Carbon tetrachloride	1.0 U	4.4
DSW-1	Chloroform	1.0 U	470
DSW-1	Benzene	0.16 J	71
DSW-1	Vinyl chloride	1.0 U	525
DSW-1	Trichloroethene	1.0 U	81
DSW-2	Ethylbenzene	1 U	29000
DSW-2	trans-1,3-Dichloropropene	1 U	
DSW-2	Toluene	1 U	200000
DSW-2	Chlorobenzene	1 U	21000
DSW-2	cis-1,2-Dichloroethene	1 U	
DSW-2	trans-1,2-Dichloroethene	1 U	
DSW-2	Carbon tetrachloride	0.14 J	4.4
DSW-2	Chloroform	1 U	470
DSW-2	Benzene	0.22 J	71
DSW-2	Vinyl chloride	1 U	525
DSW-2	Trichloroethene	0.39 JB	81
DSW-3	Ethylbenzene	1 U	29000
DSW-3	trans-1,3-Dichloropropene	1 U	
DSW-3	Toluene	1 U	200000
DSW-3	Chlorobenzene	1 U	21000
DSW-3	cis-1,2-Dichloroethene	1 U	
DSW-3	trans-1,2-Dichloroethene	1 U	
DSW-3	Carbon tetrachloride	1 U	4.4
DSW-3	Chloroform	1 U	470
DSW-3	Benzene	0.23 J	71
DSW-3	Vinyl chloride	1 U	525
DSW-3	Trichloroethene	1 U	81
DSW-3	Ethylbenzene	1.0 U	29000
DSW-3	trans-1,3-Dichloropropene	1.0 U	
DSW-3	Toluene	1.0 U	200000
DSW-3	Chlorobenzene	1.0 U	21000
DSW-3	cis-1,2-Dichloroethene	0.44 J	
DSW-3	trans-1,2-Dichloroethene	1.0 U	
DSW-3	Carbon tetrachloride	1.0 U	4.4
DSW-3	Chloroform	1.0 U	470
DSW-3	Benzene	1.0 U	71
DSW-3	Vinyl chloride	1.0 U	525
DSW-3	Trichloroethene	0.42 J	81
DSW-4	Ethylbenzene	1 U	29000

Location	Parameter	Result (ug/l)		Screening Limit AWQC (ug/l)
DSW-4	trans-1,3-Dichloropropene	1	U	
DSW-4	Toluene	0.31	J	200000
DSW-4	Chlorobenzene	1	U	21000
DSW-4	cis-1,2-Dichloroethene	1	U	
DSW-4	trans-1,2-Dichloroethene	1	U	
DSW-4	Carbon tetrachloride	1	U	4.4
DSW-4	Chloroform	1	U	470
DSW-4	Benzene	0.38	J	71
DSW-4	Vinyl chloride	1	U	525
DSW-4	Trichloroethene	1	U	81
DSW-4	1,4-Dichlorobenzene	10	U	2600
DSW-4	1,2,4-Trichlorobenzene	10	U	
DSW-4	Ethylbenzene	1.0	U	29000
DSW-4	trans-1,3-Dichloropropene	1.0	U	
DSW-4	Toluene	1.0	U	200000
DSW-4	Chlorobenzene	1.0	U	21000
DSW-4	cis-1,2-Dichloroethene	0.16	J	
DSW-4	trans-1,2-Dichloroethene	1.0	U	
DSW-4	Carbon tetrachloride	1.0	U	4.4
DSW-4	Chloroform	1.0	U	470
DSW-4	Benzene	1.0	U	71
DSW-4	Vinyl chloride	1.0	U	525
DSW-4	Trichloroethene	0.18	J	81
DSW-5	Ethylbenzene	1	U	29000
DSW-5	trans-1,3-Dichloropropene	1	U	
DSW-5	Toluene	1	U	200000
DSW-5	Chlorobenzene	1	U	21000
DSW-5	cis-1,2-Dichloroethene	1	U	
DSW-5	trans-1,2-Dichloroethene	1	U	
DSW-5	Carbon tetrachloride	1	U	4.4
DSW-5	Chloroform	1	U	470
DSW-5	Benzene	0.31	J	71
DSW-5	Vinyl chloride	1	U	525
DSW-5	Trichloroethene	1	U	81
DSW-5	Ethylbenzene	1.0	U	29000
DSW-5	trans-1,3-Dichloropropene	1.0	U	
DSW-5	Toluene	1.0	U	200000
DSW-5	Chlorobenzene	1.0	U	21000
DSW-5	cis-1,2-Dichloroethene	1.0	U	
DSW-5	trans-1,2-Dichloroethene	1.0	U	
DSW-5	Carbon tetrachloride	1.0	U	4.4
DSW-5	Chloroform	1.0	U	470
DSW-5	Benzene	1.0	U	71
DSW-5	Vinyl chloride	1.0	U	525
DSW-5	Trichloroethene	0.15	J	81
ESW-1	Ethylbenzene	1.0	U	29000
ESW-1	trans-1,3-Dichloropropene	1.0	U	
ESW-1	Toluene	1.0	U	200000

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
ESW-1	Chlorobenzene	1.0 U	21000
ESW-1	cis-1,2-Dichloroethene	0.51 J	
ESW-1	trans-1,2-Dichloroethene	1.0 U	
ESW-1	Carbon tetrachloride	1.0 U	4.4
ESW-1	Chloroform	1.0 U	470
ESW-1	Benzene	0.21 J	71
ESW-1	Vinyl chloride	0.53 J	525
ESW-1	Trichloroethene	0.15 J	81
ESW-1	Ethylbenzene	1 U	29000
ESW-1	trans-1,3-Dichloropropene	1 U	
ESW-1	Toluene	1 U	200000
ESW-1	Chlorobenzene	1 U	21000
ESW-1	cis-1,2-Dichloroethene	1 U	
ESW-1	trans-1,2-Dichloroethene	1 U	
ESW-1	Carbon tetrachloride	1 U	4.4
ESW-1	Chloroform	1 U	470
ESW-1	Benzene	0.32 JB	71
ESW-1	Vinyl chloride	1 U	525
ESW-1	Trichloroethene	0.3 J	81
ESW-2	Ethylbenzene	1.0 U	29000
ESW-2	trans-1,3-Dichloropropene	1.0 U	
ESW-2	Toluene	1.0 U	200000
ESW-2	Chlorobenzene	1.0 U	21000
ESW-2	cis-1,2-Dichloroethene	0.54 J	
ESW-2	trans-1,2-Dichloroethene	1.0 U	
ESW-2	Carbon tetrachloride	1.0 U	4.4
ESW-2	Chloroform	1.0 U	470
ESW-2	Benzene	0.12 J	71
ESW-2	Vinyl chloride	1.0 U	525
ESW-2	Trichloroethene	1.0 U	81
ESW-2	Ethylbenzene	1 U	29000
ESW-2	trans-1,3-Dichloropropene	1 U	
ESW-2	Toluene	1 U	200000
ESW-2	Chlorobenzene	1 U	21000
ESW-2	cis-1,2-Dichloroethene	0.83 J	
ESW-2	trans-1,2-Dichloroethene	1 U	
ESW-2	Carbon tetrachloride	1 U	4.4
ESW-2	Chloroform	1 U	470
ESW-2	Benzene	0.24 JB	71
ESW-2	Vinyl chloride	1 U	525
ESW-2	Trichloroethene	1 U	81
ESW-3	Ethylbenzene	1.0 U	29000
ESW-3	trans-1,3-Dichloropropene	1.0 U	
ESW-3	Toluene	1.0 U	200000
ESW-3	Chlorobenzene	0.13 J	21000
ESW-3	cis-1,2-Dichloroethene	0.46 J	
ESW-3	trans-1,2-Dichloroethene	1.0 U	
ESW-3	Carbon tetrachloride	1.0 U	4.4

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
ESW-3	Chloroform	0.13 J	470
ESW-3	Benzene	0.15 J	71
ESW-3	Vinyl chloride	1.0 U	525
ESW-3	Trichloroethene	0.20 J	81
ESW-3	Ethylbenzene	1 U	29000
ESW-3	trans-1,3-Dichloropropene	1 U	
ESW-3	Toluene	1 U	200000
ESW-3	Chlorobenzene	0.12 J	21000
ESW-3	cis-1,2-Dichloroethene	1.2	
ESW-3	trans-1,2-Dichloroethene	1 U	
ESW-3	Carbon tetrachloride	1 U	4.4
ESW-3	Chloroform	1 U	470
ESW-3	Benzene	0.27 JB	71
ESW-3	Vinyl chloride	1 U	525
ESW-3	Trichloroethene	0.47 J	81
FSW-1	Ethylbenzene	1.0 U	29000
FSW-1	trans-1,3-Dichloropropene	1.0 U	
FSW-1	Toluene	1.0 U	200000
FSW-1	Chlorobenzene	1.0 U	21000
FSW-1	cis-1,2-Dichloroethene	0.97 J	
FSW-1	trans-1,2-Dichloroethene	1.0 U	
FSW-1	Carbon tetrachloride	1.0 U	4.4
FSW-1	Chloroform	1.0 U	470
FSW-1	Benzene	1.0 U	71
FSW-1	Vinyl chloride	0.60 J	525
FSW-1	Trichloroethene	0.13 J	81
FSW-1	Ethylbenzene	1 U	29000
FSW-1	trans-1,3-Dichloropropene	1 U	
FSW-1	Toluene	1 U	200000
FSW-1	Chlorobenzene	1 U	21000
FSW-1	cis-1,2-Dichloroethene	0.75 J	
FSW-1	trans-1,2-Dichloroethene	1 U	
FSW-1	Carbon tetrachloride	1 U	4.4
FSW-1	Chloroform	1 U	470
FSW-1	Benzene	0.25 JB	71
FSW-1	Vinyl chloride	1 U	525
FSW-1	Trichloroethene	0.69 J	81
FSW-2	Ethylbenzene	1.0 U	29000
FSW-2	trans-1,3-Dichloropropene	1.0 U	
FSW-2	Toluene	1.0 U	200000
FSW-2	Chlorobenzene	1.0 U	21000
FSW-2	cis-1,2-Dichloroethene	0.80 J	
FSW-2	trans-1,2-Dichloroethene	1.0 U	
FSW-2	Carbon tetrachloride	1.0 U	4.4
FSW-2	Chloroform	1.0 U	470
FSW-2	Benzene	1.0 U	71
FSW-2	Vinyl chloride	0.38 J	525
FSW-2	Trichloroethene	1.7	81

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
FSW-2	Ethylbenzene	1 U	29000
FSW-2	trans-1,3-Dichloropropene	1 U	
FSW-2	Toluene	0.49 J	200000
FSW-2	Chlorobenzene	1 U	21000
FSW-2	cis-1,2-Dichloroethene	0.91 J	
FSW-2	trans-1,2-Dichloroethene	1 U	
FSW-2	Carbon tetrachloride	1 U	4.4
FSW-2	Chloroform	1 U	470
FSW-2	Benzene	0.52 JB	71
FSW-2	Vinyl chloride	1 U	525
FSW-2	Trichloroethene	2	81
FSW-3	cis-1,2-Dichloroethene	0.52 J	
FSW-3	trans-1,2-Dichloroethene	1.0 U	
FSW-3	Carbon tetrachloride	1.0 U	4.4
FSW-3	Chloroform	1.0 U	470
FSW-3	Benzene	1.0 U	71
FSW-3	Vinyl chloride	0.37 J	525
FSW-3	Trichloroethene	0.30 J	81
FSW-3	Ethylbenzene	1.0 U	29000
FSW-3	trans-1,3-Dichloropropene	1.0 U	
FSW-3	Toluene	1.0 U	200000
FSW-3	Chlorobenzene	1.0 U	21000
FSW-3	Ethylbenzene	1 U	29000
FSW-3	trans-1,3-Dichloropropene	1 U	
FSW-3	Toluene	1 U	200000
FSW-3	Chlorobenzene	1 U	21000
FSW-3	cis-1,2-Dichloroethene	1 U	
FSW-3	trans-1,2-Dichloroethene	1 U	
FSW-3	Carbon tetrachloride	1 U	4.4
FSW-3	Chloroform	1 U	470
FSW-3	Benzene	0.44 JB	71
FSW-3	Vinyl chloride	1 U	525
FSW-3	Trichloroethene	0.6 J	81
FSW-4	Ethylbenzene	1.0 U	29000
FSW-4	trans-1,3-Dichloropropene	1.0 U	
FSW-4	Toluene	1.0 U	200000
FSW-4	Chlorobenzene	1.0 U	21000
FSW-4	cis-1,2-Dichloroethene	0.33 J	
FSW-4	trans-1,2-Dichloroethene	1.0 U	
FSW-4	Carbon tetrachloride	1.0 U	4.4
FSW-4	Chloroform	1.0 U	470
FSW-4	Benzene	1.0 U	71
FSW-4	Vinyl chloride	1.0 U	525
FSW-4	Trichloroethene	0.16 J	81
FSW-4	Ethylbenzene	1 U	29000
FSW-4	trans-1,3-Dichloropropene	1 U	
FSW-4	Toluene	1 U	200000
FSW-4	Chlorobenzene	1 U	21000

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
FSW-4	cis-1,2-Dichloroethene	1 U	
FSW-4	trans-1,2-Dichloroethene	1 U	
FSW-4	Carbon tetrachloride	1 U	4.4
FSW-4	Chloroform	1 U	470
FSW-4	Benzene	0.27 JB	71
FSW-4	Vinyl chloride	1 U	525
FSW-4	Trichloroethene	0.3 J	81
FSW-5	Ethylbenzene	1.0 U	29000
FSW-5	trans-1,3-Dichloropropene	1.0 U	
FSW-5	Toluene	1.0 U	200000
FSW-5	Chlorobenzene	1.0 U	21000
FSW-5	cis-1,2-Dichloroethene	0.43 J	
FSW-5	trans-1,2-Dichloroethene	1.0 U	
FSW-5	Carbon tetrachloride	1.0 U	4.4
FSW-5	Chloroform	0.16 J	470
FSW-5	Benzene	1.0 U	71
FSW-5	Vinyl chloride	0.27 J	525
FSW-5	Trichloroethene	0.37 J	81
FSW-5	Ethylbenzene	1 U	29000
FSW-5	trans-1,3-Dichloropropene	1 U	
FSW-5	Toluene	1 U	200000
FSW-5	Chlorobenzene	1 U	21000
FSW-5	cis-1,2-Dichloroethene	1 U	
FSW-5	trans-1,2-Dichloroethene	1 U	
FSW-5	Carbon tetrachloride	1 U	4.4
FSW-5	Chloroform	0.17 J	470
FSW-5	Benzene	0.19 JB	71
FSW-5	Vinyl chloride	1 U	525
FSW-5	Trichloroethene	0.44 J	81
GSW-1	Ethylbenzene	0.46 J	29000
GSW-1	trans-1,3-Dichloropropene	1.0 U	
GSW-1	Toluene	1.0 U	200000
GSW-1	Chlorobenzene	1.0 U	21000
GSW-1	cis-1,2-Dichloroethene	1.0 U	
GSW-1	trans-1,2-Dichloroethene	1.0 U	
GSW-1	Carbon tetrachloride	1.0 U	4.4
GSW-1	Chloroform	1.0 U	470
GSW-1	Benzene	1.0 U	71
GSW-1	Vinyl chloride	1.0 U	525
GSW-1	Trichloroethene	1.0 U	81
GSW-1	Ethylbenzene	1 U	29000
GSW-1	trans-1,3-Dichloropropene	1 U	
GSW-1	Toluene	1 U	200000
GSW-1	Chlorobenzene	1 U	21000
GSW-1	cis-1,2-Dichloroethene	1 U	
GSW-1	trans-1,2-Dichloroethene	1 U	
GSW-1	Carbon tetrachloride	1 U	4.4
GSW-1	Chloroform	1 U	470

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
GSW-1	Benzene	1 U	71
GSW-1	Vinyl chloride	1 U	525
GSW-1	Trichloroethene	1 U	81
GSW-2	Ethylbenzene	1.0 U	29000
GSW-2	trans-1,3-Dichloropropene	1.0 U	
GSW-2	Toluene	1.0 U	200000
GSW-2	Chlorobenzene	1.0 U	21000
GSW-2	cis-1,2-Dichloroethene	1.0 U	
GSW-2	trans-1,2-Dichloroethene	1.0 U	
GSW-2	Carbon tetrachloride	1.0 U	4.4
GSW-2	Chloroform	1.0 U	470
GSW-2	Benzene	1.0 U	71
GSW-2	Vinyl chloride	1.0 U	525
GSW-2	Trichloroethene	1.0 U	81
GSW-2	Ethylbenzene	1 U	29000
GSW-2	trans-1,3-Dichloropropene	1 U	
GSW-2	Toluene	1 U	200000
GSW-2	Chlorobenzene	1 U	21000
GSW-2	cis-1,2-Dichloroethene	1 U	
GSW-2	trans-1,2-Dichloroethene	1 U	
GSW-2	Carbon tetrachloride	1 U	4.4
GSW-2	Chloroform	1 U	470
GSW-2	Benzene	0.19 JB	71
GSW-2	Vinyl chloride	1 U	525
GSW-2	Trichloroethene	1 U	81
GSW-3	Ethylbenzene	0.40 J	29000
GSW-3	trans-1,3-Dichloropropene	1.0 U	
GSW-3	Toluene	0.12 J	200000
GSW-3	Chlorobenzene	1.0 U	21000
GSW-3	cis-1,2-Dichloroethene	1.0 U	
GSW-3	trans-1,2-Dichloroethene	1.0 U	
GSW-3	Carbon tetrachloride	1.0 U	4.4
GSW-3	Chloroform	1.0 U	470
GSW-3	Benzene	0.19 J	71
GSW-3	Vinyl chloride	1.0 U	525
GSW-3	Trichloroethene	1.0 U	81
GSW-3	Ethylbenzene	1 U	29000
GSW-3	trans-1,3-Dichloropropene	1 U	
GSW-3	Toluene	0.28 J	200000
GSW-3	Chlorobenzene	1 U	21000
GSW-3	cis-1,2-Dichloroethene	1 U	
GSW-3	trans-1,2-Dichloroethene	1 U	
GSW-3	Carbon tetrachloride	1 U	4.4
GSW-3	Chloroform	1 U	470
GSW-3	Benzene	0.25 JB	71
GSW-3	Vinyl chloride	1 U	525
GSW-3	Trichloroethene	0.2 J	81
GSW-4	Ethylbenzene	0.14 J	29000

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
GSW-4	trans-1,3-Dichloropropene	1.0 U	
GSW-4	Toluene	1.0 U	200000
GSW-4	Chlorobenzene	1.0 U	21000
GSW-4	cis-1,2-Dichloroethene	1.0 U	
GSW-4	trans-1,2-Dichloroethene	1.0 U	
GSW-4	Carbon tetrachloride	0.15 J	4.4
GSW-4	Chloroform	1.0 U	470
GSW-4	Benzene	0.10 J	71
GSW-4	Vinyl chloride	0.16 J	525
GSW-4	Trichloroethene	1.0 U	81
GSW-4	Ethylbenzene	1 U	29000
GSW-4	trans-1,3-Dichloropropene	1 U	
GSW-4	Toluene	1 U	200000
GSW-4	Chlorobenzene	1 U	21000
GSW-4	cis-1,2-Dichloroethene	1 U	
GSW-4	trans-1,2-Dichloroethene	1 U	
GSW-4	Carbon tetrachloride	1 U	4.4
GSW-4	Chloroform	1 U	470
GSW-4	Benzene	0.21 JB	71
GSW-4	Vinyl chloride	1 U	525
GSW-4	Trichloroethene	1 U	81
GSW-5	Ethylbenzene	1.0 U	29000
GSW-5	trans-1,3-Dichloropropene	1.0 U	
GSW-5	Toluene	1.0 U	200000
GSW-5	Chlorobenzene	1.0 U	21000
GSW-5	cis-1,2-Dichloroethene	1.0 U	
GSW-5	trans-1,2-Dichloroethene	1.0 U	
GSW-5	Carbon tetrachloride	1.0 U	4.4
GSW-5	Chloroform	1.0 U	470
GSW-5	Benzene	1.0 U	71
GSW-5	Vinyl chloride	1.0 U	525
GSW-5	Trichloroethene	1.0 U	81
GSW-5	Ethylbenzene	1 U	29000
GSW-5	trans-1,3-Dichloropropene	1 U	
GSW-5	Toluene	0.4 J	200000
GSW-5	Chlorobenzene	1 U	21000
GSW-5	cis-1,2-Dichloroethene	1 U	
GSW-5	trans-1,2-Dichloroethene	1 U	
GSW-5	Carbon tetrachloride	0.22 J	4.4
GSW-5	Chloroform	1 U	470
GSW-5	Benzene	0.38 JB	71
GSW-5	Vinyl chloride	1 U	525
GSW-5	Trichloroethene	0.32 J	81
GSW-6	Ethylbenzene	1.0 U	29000
GSW-6	trans-1,3-Dichloropropene	1.0 U	
GSW-6	Toluene	1.0 U	200000
GSW-6	Chlorobenzene	1.0 U	21000
GSW-6	cis-1,2-Dichloroethene	1.0 U	

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
GSW-6	trans-1,2-Dichloroethene	1.0 U	
GSW-6	Carbon tetrachloride	1.0 U	4.4
GSW-6	Chloroform	0.12 J	470
GSW-6	Benzene	1.0 U	71
GSW-6	Vinyl chloride	1.0 U	525
GSW-6	Trichloroethene	1.0 U	81
GSW-6	Ethylbenzene	1 U	29000
GSW-6	trans-1,3-Dichloropropene	1 U	
GSW-6	Toluene	1 U	200000
GSW-6	Chlorobenzene	1 U	21000
GSW-6	cis-1,2-Dichloroethene	1 U	
GSW-6	trans-1,2-Dichloroethene	1 U	
GSW-6	Carbon tetrachloride	1 U	4.4
GSW-6	Chloroform	1 U	470
GSW-6	Benzene	0.24 JB	71
GSW-6	Vinyl chloride	1 U	525
GSW-6	Trichloroethene	1 U	81
SWBG-1	Ethylbenzene	1 U	29000
SWBG-1	trans-1,3-Dichloropropene	1 U	
SWBG-1	Toluene	1 U	200000
SWBG-1	Chlorobenzene	1 U	21000
SWBG-1	cis-1,2-Dichloroethene	1 U	
SWBG-1	trans-1,2-Dichloroethene	1 U	
SWBG-1	Carbon tetrachloride	1 U	4.4
SWBG-1	Chloroform	1 U	470
SWBG-1	Benzene	0.28 J	71
SWBG-1	Vinyl chloride	1 U	525
SWBG-1	Trichloroethene	1 U	81
SWBG-1	Ethylbenzene	0.34 J	29000
SWBG-1	trans-1,3-Dichloropropene	1.0 U	
SWBG-1	Toluene	1.0 U	200000
SWBG-1	Chlorobenzene	1.0 U	21000
SWBG-1	cis-1,2-Dichloroethene	1.0 U	
SWBG-1	trans-1,2-Dichloroethene	1.0 U	
SWBG-1	Carbon tetrachloride	1.0 U	4.4
SWBG-1	Chloroform	1.0 U	470
SWBG-1	Benzene	0.26 J	71
SWBG-1	Vinyl chloride	1.0 U	525
SWBG-1	Trichloroethene	1.0 U	81
SWBG-2	Ethylbenzene	0.2 J	29000
SWBG-2	trans-1,3-Dichloropropene	1 U	
SWBG-2	Toluene	0.52 J	200000
SWBG-2	Chlorobenzene	1 U	21000
SWBG-2	cis-1,2-Dichloroethene	1 U	
SWBG-2	trans-1,2-Dichloroethene	1 U	
SWBG-2	Carbon tetrachloride	0.16 J	4.4
SWBG-2	Chloroform	1 U	470
SWBG-2	Benzene	0.49 J	71

Location	Parameter	Result (ug/l)	Screening Limit AWQC (ug/l)
SWBG-2	Vinyl chloride	1 U	525
SWBG-2	Trichloroethene	0.18 J	81
SWBG-2	Ethylbenzene	1.0 U	29000
SWBG-2	trans-1,3-Dichloropropene	1.0 U	
SWBG-2	Toluene	1.0 U	200000
SWBG-2	Chlorobenzene	1.0 U	21000
SWBG-2	cis-1,2-Dichloroethene	1.0 U	
SWBG-2	trans-1,2-Dichloroethene	1.0 U	
SWBG-2	Carbon tetrachloride	1.0 U	4.4
SWBG-2	Chloroform	1.0 U	470
SWBG-2	Benzene	1.0 U	71
SWBG-2	Vinyl chloride	1.0 U	525
SWBG-2	Trichloroethene	1.0 U	81
DSW-4	Pentachlorophenol	50 U	