9413301.0659

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JUL 14 1994 (11) START

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ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT 136146

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) RCRA Closures
5. Proj./Prog./Dept./Div.: NRDWS/RCRA/Closures/RS/RR	6. Cog. Engr.: S.N. Luke

4. Related EDT No.:

7. Purchase Order No.:

9. Equip./Component No.:

8. Originator Remarks:
This report presents the analytical results of 2727-S Nonradioactive Dangerous Waste Storage Facility closure verification soil sampling and comparing these results to clean closure.

10. System/Bldg./Facility: 2727-S NRDWS

12. Major Assm. Dwg. No.:

11. Receiver Remarks:

13. Permit/Permit Application No.:

14. Required Response Date:

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Impact Level	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	WHC-SD-EN-TI-242		0	2727-S NRDWS Clean Closure	N/A	1/2	1	1

16. KEY

Impact Level (F)	Reason for Transmittal (G)		Disposition (H) & (I)	
1, 2, 3, or 4 (see MRP 5.43)	1. Approval	4. Review	1. Approved	4. Reviewed no/comment
	2. Release	5. Post-Review	2. Approved w/comment	5. Reviewed w/comment
	3. Information	6. Dist. (Receipt Acknow. Required)	3. Disapproved w/comment	6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Impact Level for required signatures)

(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.
1/2	1	Cog. Eng. S.N. Luke		7/14/94	H6-23						
1/2	1	Cog. Mgr. F.A. Ruck III		7/14/94	H6-23						
		QA									
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18.	19.	20.	21. DOE APPROVAL (if required)
Signature of EDT Originator — Date 9/14/94	Authorized Representative for Receiving Organization — Date	Cognizant Manager — Date 7/14/94	Ltr No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments

BD-7400-172 (07/91)

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- [ ] Other

ID Number (include revision, volume, etc.): WHC-SD-EN-TI-242, Revision 0, ~~DRAFT~~ mhl

List attachments: N/A

Date Release Required: June 24, 1994

Title: 2727-S DATA EVALUATION REPORT

Unclassified Category: UC-

Impact Level:

New or novel (patentable) subject matter? [X] No [ ] Yes
If "Yes", has disclosure been submitted by WHC or other company?
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Group or Society Sponsoring: N/A

Date(s) of Conference or Meeting: N/A

City/State: N/A

Will proceedings be published? [ ] Yes [ ] No
Will material be handed out? [ ] Yes [ ] No

Title of Journal: N/A

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval: Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	[ ]	[X]			
Patent - General Counsel	[X]	[X]	Not required per OGC memo	Y.B	6/13/94
Legal - General Counsel	[X]	[X]			
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Publication Services	[X]	[ ]	Margaret M. Owens	Approval per telecon	6/13/94
Other Program/Project	[ ]	[X]			

Information conforms to all applicable requirements. The above information is certified to be correct.

	Yes	No
References Available to Intended Audience	[X]	[ ]
Transmit to DOE-HQ/Office of Scientific and Technical Information	[ ]	[X]

Author/Requestor (Printed/Signature): Scott N. Luke — Date: 6/10/94

Intended Audience: [ ] Internal [ ] Sponsor [X] External

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BD-7600-062 (08/91) WEF074

Part 1

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SUPPORTING DOCUMENT

1. Total Pages 124

2. Title	3. Number	4. Rev No.
2727-S Nonradioactive Dangerous Waste Storage Facility Clean Closure Evaluation Report	WHC-SD-EN-TI-242	0

5. Key Words

2727-S Nonradioactive Dangerous Waste Storage Facility

APPROVED FOR PUBLIC RELEASE

6. Author

Name: S.N. Luke

Signature

Organization/Charge Code 88210 /R142B

7. Abstract

6/29/94 D. Dolle

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9. Impact Level NA

10. RELEASE STAMP

OFFICIAL RELEASE BY WHC (11)
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WHC-SD-EN-TI-242
Revision 0

2727-S Nonradioactive Dangerous Waste Storage Facility Clean Closure Evaluation Report

Prepared for the U.S. Department of Energy
Office of Environmental Restoration and
Waste Management

Westinghouse
Hanford Company Richland, Washington

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

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GLOSSARY

CPF	carcinogenic potency factor
CRDL	contract required detection limit
EC	equivalent concentration
Ecology	Washington State Department of Ecology
HEIS	Hanford Environmental Information System
IDL	instrumental detection limit
IRIS	Integrated Risk Information System
LOQ	limit of quantitation
MDL	method detection limit
MS	matrix spike
MTCA	*Model Toxics Control Act*
NRDWS	Nonradioactive Dangerous Waste Storage Facility
PAH	polycyclic aromatic hydrocarbon
PCB	polychorinated biphenyl
PQL	practical quantitation limit
RfD	reference dose
SAF	Sampling Authorization Form
TSD	treatment, storage, and disposal
VOC	volatile organic compound

METRIC CONVERSION CHART

The following conversion chart is provided to aid in conversion.

Into metric units			Out of metric units		
If you know	Multiply by	To get	If you know	Multiply by	To get
Length			**Length**		
inches	25.40	millimeters	millimeters	0.0393	inches
inches	2.54	centimeters	centimeters	0.393	inches
feet	0.3048	meters	meters	3.2808	feet
yards	0.914	meters	meters	1.09	yards
miles	1.609	kilometers	kilometers	0.62	miles
Area			**Area**		
square inches	6.4516	square centimeters	square centimeters	0.155	square inches
square feet	0.092	square meters	square meters	10.7639	square feet
square yards	0.836	square meters	square meters	1.20	square yards
square miles	2.59	square kilometers	square kilometers	0.39	square miles
acres	0.404	hectares	hectares	2.471	acres
Mass (weight)			**Mass (weight)**		
ounces	28.35	grams	grams	0.0352	ounces
pounds	0.453	kilograms	kilograms	2.2046	pounds
short ton	0.907	metric ton	metric ton	1.10	short ton
Volume			**Volume**		
fluid ounces	29.57	milliliters	milliliters	0.03	fluid ounces
quarts	0.95	liters	liters	1.057	quarts
gallons	3.79	liters	liters	0.26	gallons
cubic feet	0.03	cubic meters	cubic meters	35.3147	cubic feet
cubic yards	0.76	cubic meters	cubic meters	1.308	cubic yards
Temperature			**Temperature**		
Fahrenheit	subtract 32 then multiply by 5/9ths	Celsius	Celsius	multiply by 9/5ths, then add 32	Fahrenheit

Source: *Engineering Unit Conversions*, M. R. Lindeburg, PE., Second Ed., 1990, Professional Publications, Inc., Belmont, California.

2727-S NONRADIOACTIVE DANGEROUS WASTE STORAGE FACILITY CLEAN CLOSURE EVALUATION REPORT

1.0 INTRODUCTION

This section identifies the purpose, scope, and format of this report.

1.1 SITE SETTING

The 2727-S Nonradioactive Dangerous Waste Storage (NRDWS) Facility was a *Resource Conservation and Recovery Act of 1976* interim status treatment, storage, and disposal (TSD) unit located in the 200 West Area of the Hanford Site. This TSD unit stored containerized (drummed), nonradioactive dangerous waste. Soil sampling of the 2727-S NRDWS Facility for purposes of unit closure began in August 1992 in accordance with the 2727-S NRDWS Facility Closure Plan, Revision 3 (DOE-RL 1988a) and was completed in September 1992.

To avoid extensive sampling, Revision 3 of the closure plan reflected an agreement with the Washington State Department of Ecology (Ecology) to dispose of unit structures and of the first 6 inches of soil immediately beneath the structures as WT02, Washington State dangerous waste. Closure verification sampling consisted of sampling substructure soils that would remain after demolition and after the planned soil removal (Ecology 1991). Sampling was performed prior to site demolition to prevent disturbing the underlying soil.

Demolition of the metal building and concrete storage pad that constituted the TSD unit structure began immediately upon the completion of sampling. Removal to an offsite landfill of the bulk of demolition waste and waste soils was completed in September 1992. Demolition debris and containerized, nonregulated waste soils remain at the site. To conclude physical closure, the site requires only final disposition of the containerized soils and demolition debris, and site restoration (i.e., regrading and revegetation).

1.2 PURPOSE AND SCOPE

This report presents the analytical results of 2727-S NRDWS Facility closure verification soil sampling and compares these results to clean closure criteria. The results of this comparison will determine if clean closure of the unit is regulatorily achievable.

This report also serves to notify regulators that concentrations of some analytes at the site exceed sitewide background threshold levels (DOE-RL 1993b) and/or the limits of quantitation (LOQ). These levels were established within the closure plan (DOE-RL 1988a) as the initial cleanup levels for this unit. Constituents exceeding these initial levels are identified in Section 2.0.

As provided for within the closure plan, this report also presents a *Model Toxics Control Act Cleanup* (MTCA) (WAC 173-340) regulation health-based closure standard under which the unit can clean close in lieu of closure to background levels or LOQ in accordance with WAC 173-303-610. The health-based clean closure standard will be closure to MTCA Method B residential cleanup levels. This report reconciles all analyte concentrations reported above background or LOQ to this health-based cleanup standard. Regulator acceptance of the findings presented in this report will qualify the TSD unit for clean closure in accordance with WAC 173-303-610 without further TSD unit soil sampling, or soil removal and/or decontamination. Nondetected analytes require no further evaluation.

This report does not describe sampling methodology, nor does it provide raw analytical data or the sampling validation report. A description of the sampling activities is presented in the Field Logbook (WHC 1992a). The laboratory data package and data validation report have already been transmitted to Ecology as the regulatory lead for closure of this unit (DOE-RL 1993a).

This report focuses on analyte concentrations for samples representing in situ site soils that would require cleanup if found contaminated. However, the fate of currently containerized soils at the site will also be addressed.

Although appropriate for future land use in the 200 West Area, MTCA Method C industrial closure standards have not been considered. Clean closure to the more stringent MTCA Method B residential, health-based cleanup levels as allowed under WAC 173-303-610 is obtainable.

1.3 REPORT FORMAT

Appendix A identifies all constituent concentrations reported by the laboratory. It also lists concentration qualifiers assigned either by the laboratory during sample analysis or by data validators during sample validation. Reported analyte concentrations not identified as U (undetected) or R (rejected) qualified are evaluated in this report. Generally, the results are individually evaluated by sample number in Section 2.0. Where concentrations are not individually evaluated (e.g., some inorganic analytes that were common to virtually all samples), their method of evaluation is explained.

This report groups analytes for consideration as indicated in Table 1. Each analyte group has a concentration comparison table (Tables 2 through 7), except for organophosphorus pesticides, which were all reported as undetected (U). Where comparison tables are not applicable, analyte concentrations are narratively evaluated. The tables first consider the most stringent, applicable regulatory cleanup levels. As a level is exceeded, the table defaults to the next less stringent regulatory level. A "No" in the tables generally ceased consideration of the analyte as being an impediment to clean

Table 1. Summary Data Location and Analytical Methods for 2727-S NRDWS Facility Soil Sampling.

Constituent group	Analytical method[a]	Appendix A, data summary tables	Comparison tables
VOC	SW-846, 8240	AT-1	T-2
Semi-VOC	SW-846, 8270	AT-2	T-3
Organochlorine pesticides/PCBs	SW-846, 8080	AT-3	T-4
Herbicides	SW-846, 8150	AT-4	T-5
Organophosphorus pesticides	SW-846, 8140	AT-4	[c]
Metals	SW-846, 6010 (ICP metals); 7000[b] series (TCL metals)	AT-5	T-6
Other Inorganics	SW-846, 9010 (cyanide); EPA 350.3 (ammonia); SW-846, 9030 (sulfide); EPA 300.0 (all others)	AT-6	T-7

Notes:
ICP = Inductively Coupled Plasma. TCL = Target Compound List.
PCB = Polychlorinated Biphenyl. VOC = Volatile Organic Compound.
[a]SAF = Sampling Authorization Form.
[b]Source: S-Cubed Laboratory Summary Sheets (SAF Number 92-262 and SAF Number 92-309).
SW-846 Method: 7060 (arsenic); 7421 (lead); 7740 (selenium); 7841 (thallium); 7470 (mercury); (EPA 1990).
[c]No detections.

closure at the listed concentration. However, to account for possible inconsistencies in the normal order of restrictiveness, e.g., polycyclic aromatic hydrocarbon (PAH) detections (Section 2.2.1), all columns in the tables will be completed where information is available. Appendix D presents the standards against which results above detection are compared.

1.4 SCREENING CRITERIA

The primary criteria for evaluating analyte detections are background thresholds and health-based cleanup levels where available. Analyte concentrations were first compared to the Hanford Site background study 95/95 background thresholds (Appendix B). However, other Hanford Site study sampling results were considered, including the results of judgmental (nonrandom) sampling.

Results above background or for which there is no Hanford Site Background threshold, were then compared to MTCA health-based cleanup levels (WAC 173-340) under which the unit can clean close in accordance with WAC 173-303-610. The comparison was first to cleanup levels identified in MTCA 173-340-740, Table 2, Method A Cleanup Levels--Soil. Use of Method A cleanup levels can be approved by Ecology using Method B cleanup levels as the clean closure criteria (Ecology 1993). Results not applicable to Table 2 or exceeding Table 2 values were then compared to residential, health-based levels calculated using WAC 173-340-740 Method B formulas. The Method B cleanup level for carcinogenicity and for toxicity were calculated where toxicological information was available.

Where sitewide background thresholds (DOE-RL 1993b) and/or health-based data were not available, secondary criteria such as local background, EPA guidelines, laboratory data qualifiers and practical quantitation limit (PQL) were considered in evaluating concentrations. The application of these secondary criteria will be explained where used.

1.5 SAMPLING REQUIRED BY THE CLOSURE PLAN

Sampling was performed as indicated in Table 2, Revision 3A, of the closure plan. The closure plan required 26 samples identified within the plan as verification samples. Analytes of interest for this sampling are shown in Appendix G, Table G-1, of the closure plan and are as specified in Sampling Authorization Form (SAF), SAF Number 92-262 (OSM 1992a). Sample location and depth are shown in Figure 1.

Of the 26 samples, 23 were verification samples and 3 were local background samples. The 26 samples required by the closure plan were numbered B07531 through B07560 by the Hanford Environmental Information System (HEIS) (WHC 1990). Two blanks were also included: trip blank B07531 and equipment blank B07540. The three local background samples were numbered B07557, B07558, and B07559. These were taken along the facility perimeter fence beyond the area impacted by facility operations.

Laboratory analysis of all samples was performed offsite by S-Cubed analytical laboratories. The laboratory analytical method and the location of summary data within this report are shown in Table 1. Samples were exempt from radiation release surveys thereby allowing direct shipment to the offsite laboratory (Lindsey 1993). Sample analytical results were verified and validated by Westinghouse Hanford Company's Office of Sample Management, which is now known as Hanford Analytical Services Management.

Information pertaining to samples required by the closure plan is retained by Hanford Analytical Services Management under SAF Number 92-262. Copies of S-Cubed laboratory Form 1 Data Sheets, S-Cubed laboratory narrative, and the Westinghouse Hanford Company validation report for these samples, have already been submitted to Ecology (DOE-RL 1993a).

1.6 OTHER SAMPLING PERFORMED IN SUPPORT OF CLOSURE ACTIVITIES

One soil sample was taken in support of closure activities that was not indicated in the closure plan. Sample B07562 (and trip blank B07561) (Figure 1) was taken as the result of minor leakage of an oil-like fluid onto site soils during TSD demolition. Analytes of interest for this sampling were agreed to with Ecology at the time of the spill and are specified in SAF Number 92-309 (OSM 1992b). Analytical results are summarized in Appendix A.

This sample was analyzed, the results validated, and laboratory data were transmitted to Ecology (DOE-RL 1993a) as with other site sampling. All information pertaining to this sampling is retained by Hanford Analytical Services Management under SAF Number 92-309.

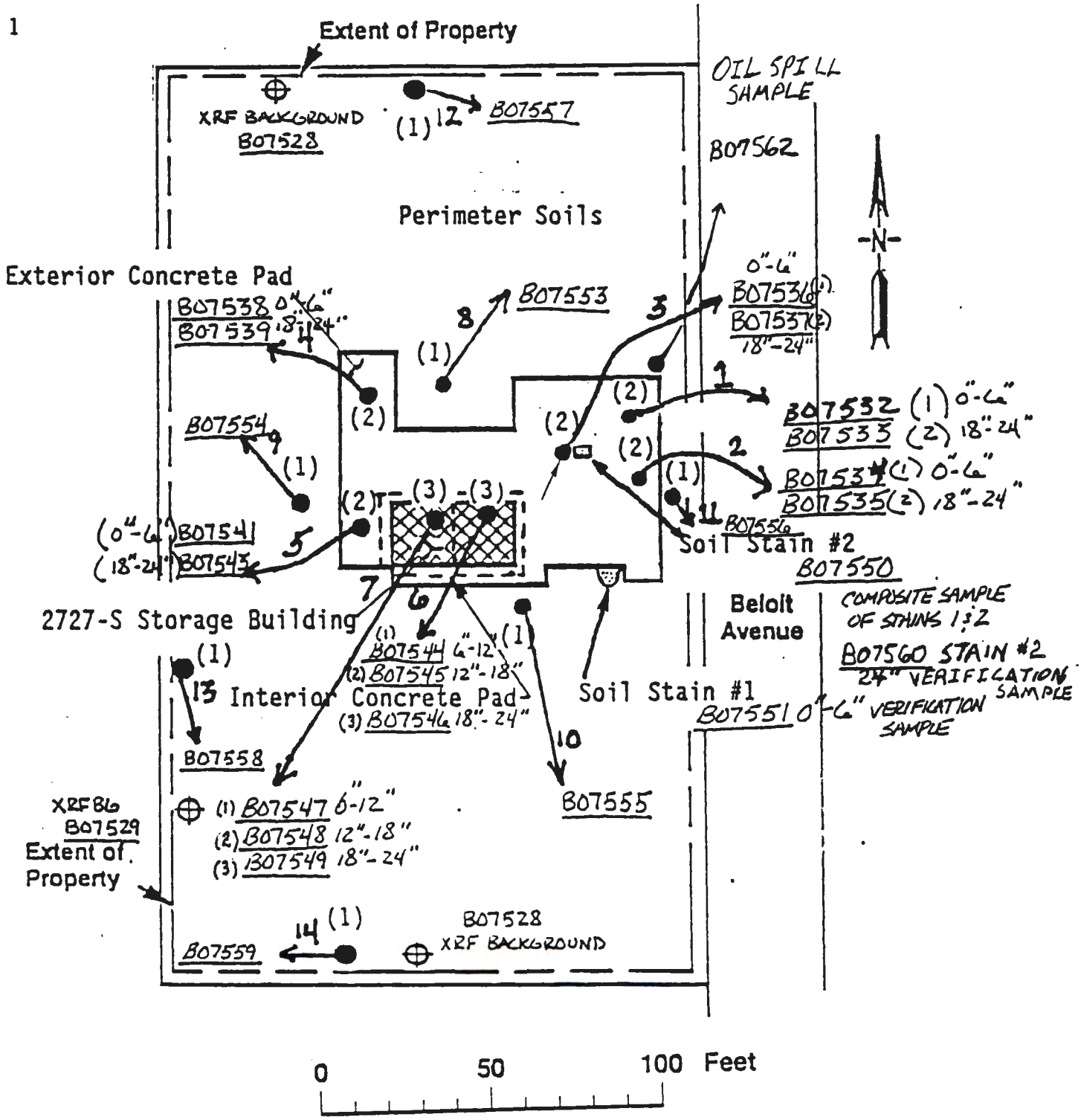

Figure 1. Location and Depth of 2727-S NRDWS Facility Soil Samples.

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2.0 SUMMARY OF ANALYTES REPORTED ABOVE DETECTION

This section identifies 2727-S analytical sampling results reported within Appendix A as being above detection. It also presents justification in narrative or in table format for disregarding those concentrations as an impediment to 2727-S clean closure under the requirements of WAC 173-303-610.

2.1 VOLATILE ORGANIC COMPOUND DATA SUMMARY

This section identifies and reconciles by sample number volatile organic compound (VOC) concentrations indicated in Appendix A, Table AT-1, as above detection.

2.1.1 Reported Volatile Organic Compounds

Table 2 identifies concentrations of methylene chloride, acetone, hexone, xylenes and toluene. Carbon tetrachloride was also reported at 6 ppb in sample B07550; however, this analysis was superseded due to low internal standards by B07550RE (reanalysis), which reported carbon tetrachloride below detection.

Methylene chloride and acetone were reported above detection in numerous samples. Hexone (4-methyl-2-pentanone) was reported in samples B07561 (trip blank) and B07562. Xylenes (total) and toluene were also reported in sample B07562. However, this sample represents only a small quantity of containerized waste soil, having no further cleanup considerations. The fate of these soils will be addressed in Section 3.2.

Contamination in field blanks (e.g., trip blank B07531 containing methylene chloride and acetone, and trip blank B07561 containing hexone) is shown in Table 2 for information only.

Table 2 adds PQL as a comparison concentration. The PQL is the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions (EPA 1990). Listing PQL demonstrates that most acetone and some methylene chloride concentrations were reported below normal and reliable quantifiable levels.

2.1.2 Volatile Organic Compound Concentrations as Laboratory Error

Laboratory error is assumed for all reported concentrations of acetone and methylene chloride. This is primarily due to both of them being too volatile to have persisted in site soils to the present time and is also due to their being considered by the EPA to be routine laboratory contaminants at the levels indicated in Table 2.

Table 2. Detected Volatile Organic Compounds. (sheet 1 of 2)

HEIS No.	Detected analyte				>PQL (No/Yes)[g]	>EPA allowed[f]	MTCA method A & B cleanup levels[g]		
	Name	CAS No.	Conc. µg/kg (ppb)	Qualifier code[b]			>A	>B	
								>Carc	>Tox
B07531 [c]	Acetone	67-64-1	13	..	No	No	e	No	No
	Methylene chloride	75-09-2	12	..	Yes	No	No	No	No
B07532	Methylene chloride	75-09-2	76	..	Yes	Yes	No	No	No
B07533	Methylene chloride	75-09-2	240	..	Yes	Yes	No	No	No
B07534	Methylene chloride	75-09-2	63	..	Yes	Yes	No	No	No
B07535	Acetone	67-64-1	10	J	No	No	e	h	No
	Methylene chloride	75-09-2	7	..	Yes	No	No	No	No
B07536	Methylene chloride	75-09-2	20	..	Yes	No	No	No	No
B07537	Methylene chloride	75-09-2	14	..	Yes	No	No	No	No
B07538	Acetone	67-64-1	9	J	No	No	e	h	No
	Methylene chloride	75-09-2	25	..	Yes	No	No	No	No
B07539	Methylene chloride	75-09-2	92	..	Yes	Yes	No	No	No
B07542	Methylene chloride	75-09-2	6	..	Yes	No	No	No	No
B07543	Methylene chloride	75-09-2	8	..	Yes	No	No	No	No
B07547	Methylene chloride	75-09-2	6	..	Yes	No	No	No	No
B07550 [d]	Methylene chloride	75-09-2	61	J	Yes	Yes	No	No	No
	Acetone	67-64-1	91	J	No	Yes	e	h	No
B07550 RE [d]	Methylene chloride	75-09-2	51	J	Yes	Yes	No	No	No
	Acetone	67-64-1	16	J	Yes	Yes	e	h	No
B07551	Methylene chloride	75-09-2	41	..	Yes	Yes	No	No	No
	Acetone	67-64-1	60	..	No	Yes	e	h	No

Table 2. Detected Volatile Organic Compounds. (sheet 2 of 2)

B07553	Acetone	67-64-1	21	**	No	No	e	h	No
	Methylene chloride	75-09-2	14	**	Yes	No	No	No	No
B07554	Acetone	67-64-1	100	**	No	Yes	e	h	No
	Methylene chloride	75-09-2	15	**	Yes	No	No	No	No
B07555	Acetone	67-64-1	100	**	No	Yes	e	h	No
	Methylene chloride	75-09-2	11	**	Yes	No	No	No	No
B07556	Methylene chloride	75-09-2	12	**	Yes	No	No	No	No
B07557	Methylene chloride	75-09-2	48	**	Yes	Yes	No	No	No
B07558	Acetone	67-64-1	45	**	No	No	e	h	No
	Methylene chloride	75-09-2	110	**	Yes	Yes	No	No	No
B07559	Methylene chloride	75-09-2	69	**	Yes	Yes	No	No	No
	Acetone	67-64-1	23	**	No	No	e	h	No
B07561 [d,c]	Hexone	108-10-1	19	**	No	NA	e	No	No
B07562DL	Hexone	108-10-1	2800	D	Yes	NA	e	h	No
B07562 [d]	Toluene	108-88-3	500	**	Yes	NA	No	h	No
	Xylene	1330-20-7	15	J	Yes	NA	e	h	No

Notes:
CAS = Chemical Abstract System.
HEIS = Hanford Environmental Information System (WHC 1990).
MTCA = Model Toxics Control Act.
[a]PQL = Practical Quantitation Limit (EPA 1990).
[b]Concentrations in µg/kg (ppb).
[c]Organic concentration qualifiers: J = Estimated; D = Result of laboratory dilution (EPA 1991).
[d]Field blank.
[e]These samples represent containerized soils only. No cleanup is required.
[f]No MTCA Method A cleanup level for this constituent.
[g]Acetone and methylene chloride are EPA recognized laboratory contaminants indistinguishable from laboratory blanks at concentrations of up to 50 ppb for acetone and up to 25 ppb for methylene chloride (EPA 1988a).
[h]Appendix D of this report provides MTCA Method A and B toxicity and carcinogenicity soil cleanup levels and PQL values.
[i]Not classified as a carcinogen.
**Concentration not qualified.

The half-lives of acetone and methylene chloride in soil under dry conditions, are 1 day and .017 day respectively (Dragun 1988). Based on this, methylene chloride would disappear from topsoil within days of release and acetone would disappear within weeks of release to the soil. Storage of these constituents ceased at the TSD unit in 1986. Both constituents were generally detected in topsoil samples (0 to 6 inch depth) where such contaminants cannot be expected to persist. At samples B07533 and B05739 taken at 18 to 24 inches below the concrete slab, where it is remotely possible for these constituents to have persisted, they were reported at concentrations similar to those reported in topsoil.

The U.S. EPA Contract Laboratory Program has shown its intention to identify methylene chloride and acetone as routine laboratory contaminants by indicating that concentrations of methylene chloride to ≤25 ppb and acetone to ≤50 ppb are indistinguishable from laboratory blanks (EPA 1988b). Although some Table 2 concentrations are slightly above these recognized EPA levels, all of these concentrations are easily obtainable as laboratory airborne contamination, including sample B07533 at 240 ppb (WHC 1992b).

2.1.3 Volatile Organic Compound Concentrations Regarding Clean Closure

Site sampling reported only a limited number of VOC analytes and then only slightly above detection. Even the highest methylene chloride and acetone detections can reasonably be attributed to laboratory contamination. All other concentrations (i.e., toluene, xylenes, hexone) were either superseded by reanalysis, represent laboratory blank contamination, or represent containerized soils. Further, no VOC concentration emerges from Table 2 as exceeding MTCA Method B residential cleanup levels. Consequently, VOC concentrations do not preclude clean closure of the 2727-S site.

2.2 SEMI-VOLATILE ORGANIC COMPOUND DATA SUMMARY

This section identifies and reconciles by sample number all semi-VOC concentrations indicated in Appendix A, Table AT-2 as above detection.

2.2.1 Reported Semi-Volatile Organic Compounds

As indicated in Table 3, only samples B07548, B07556, and B07558 reported semi-VOC. Nine semi-VOCs were reported in sample B07556, all of which are PAHs. Except for diethylphthalate (B07548), all semi-VOC concentrations, including the PAHs, have been flagged by the laboratory with a J qualifier as estimated values due to low concentrations.

Table 3 uses PQL for a comparison concentration and to indicate the range of normal and reliable detection. Except for diethylphthalate (B07548), all semi-VOC concentrations indicated as detected in samples B07548, B07556, and B07558 are well below their PQLs of 660 to 730 ppb (EPA 1990).

Table 3. Detected Semi-Volatile Organic Compounds.

HEIS No.	Detected analyte				>PQL[b]	MTCA method A & B cleanup levels[b]		
	Name	CAS No.	Conc. µg/kg (ppb)	Qualifier code[a]		>A	>B	
							>Carc	>Tox
B07548	Diethylphthalate	84-66-2	820	..	Yes	d	e	No
	Bis(2-ethylhexyl) phthalate	117-81-7	340	J	No	d	No	No
B07556	Benzo(a)anthracene [c]	56-55-3	340	J	No	No	Yes	f
	Benzo(a)pyrene [c]	50-32-8	420	J	No	No	Yes	f
	Benzo(b)fluoranthene [c]	205-99-2	540	J	No	No	Yes	f
	Benzo(g,h,i)perylene [c]	191-24-2	330	J	No	No	Yes	f
	Benzo(k)fluoranthene [c]	207-08-9	460	J	No	No	Yes	f
	Chrysene [c]	218-01-9	590	J	No	No	Yes	f
	Fluoranthene [c]	206-44-0	540	J	No	No	e	No
	Indeno(1,2,3-cd) pyrene [c]	193-39-5	290	J	No	No	Yes	f
	Pyrene [c]	129-00-0	500	J	No	No	e	No
B07558	Bis(2-ethylhexyl) phthalate	117-81-7	200	J	No	d	No	No

Notes:
MTCA = Model Toxics Control Act.
[a]PQL = Practical Quantitation Limit (EPA 1990).
[b]Organic concentration qualifiers: J = Estimated (EPA 1990).
Appendix D of this report provides MTCA Method A and B toxicity and carcinogenicity soil
[c]cleanup levels and PQL values.
This constituent is a polycyclic aromatic hydrocarbon (Sittig 1985).
[d]Cleanup Level--Soil. Consequently, MTCA Method B cleanup levels are not required (NR).
[e]This constituent not addressed in MTCA Method A, Table 2--Soils.
[f]Not classified as a carcinogen and/or no EPA carcinogenicity information available.
Toxicity information not available from the EPA.
..Concentration not qualified.

Samples B07548 and B07558. The diethylphthalate reported in B07548 can reasonably be considered the result of laboratory error. Phthalates are common laboratory contaminants and diethylphthalate was detected in laboratory blank EBS0825. The diethylphthalate detection at 820 ppb in sample B07548 is only slightly above its PQL of 660. At slightly reduced concentrations (630 to 730 ppb), diethylphthalate was reported as below detection in other samples. The bis(2-ethylhexyl)phthalate identified in these samples is J qualified as an estimated value that is also well below PQL of 660 ppb.

Sample B07556. All semi-VOCs detected in topsoil sample B07556 are PAHs. To date, the EPA has reviewed only the PAH benzo(a)pyrene for inclusion in the Integrated Risk Information System (IRIS) database (EPA 1988a)

An anomaly exists in the normal restrictiveness declension regarding some PAHs. MTCA Method A, Table 2 (WAC 173-340-740) has addressed PAHs as a class in assigning a 1 ppm cleanup level for PAHs in soil. MTCA Method A cleanup values are usually more restrictive than MTCA Method B cleanup values. However, in using MTCA Method B cleanup level calculations for PAHs as carcinogens, the cleanup level is 137 ppb. This cleanup level is far below the cleanup level established for PAHs by MTCA Method A of 1.0 ppm.

PAHs have not been handled at the 2727-S site since 1986. PAHs are photo-oxidized, lending them a chemical half-life of a few hours to several days when exposed to sunlight. They would not be expected to persist in soil exposed to sunlight, such as topsoil sample B07556.

Another possible explanation for PAH concentrations in this sample is airborne contamination during sampling. This possibility is based on the fact that PAHs result from the hydrocarbon combustion process (Sittig 1985). B07556 is a surface soil sample taken immediately adjacent to the well-traveled Beloit Avenue. Elevated PAH concentrations could have resulted from exhaust fumes given off nearby vehicles used in the sampling effort.

2.2.2 Semi-Volatile Organic Compound Concentrations Regarding Clean Closure

There were very few semi-VOC contaminations reported above detection. Except for the PAHs, the small number of reported concentrations listed in Table 3 are attributable to laboratory contamination, are below their respective PQLs, and are well below MTCA Method B residential health-based cleanup levels.

Regarding PAH concentrations, all were far below their PQL of 660 ppb for Analytical Method 8270 (EPA 1992) and were also below the MTCA Method A cleanup level of 1 ppm. The MTCA Method B cleanup level of 137 ppb for PAHs as a carcinogen is also far below PQL. MTCA allows that where the calculated cleanup level is below PQL, the cleanup level shall be considered to have been attained (WAC 173-340-707). Consequently, semi-VOCs do not preclude clean closure of the 2727-S site.

2.3 ORGANOCHLORINE PESTICIDE/PCB DATA SUMMARY

This section identifies and reconciles by sample number organochlorine pesticide/polychlorinated biphenyl (PCB) concentrations indicated in Appendix A, Table AT-3 as above detection.

2.3.1 Reported Organochlorine Pesticide/PCBs

There were no PCB detections. The only organochlorine pesticide reported above detection was 4,4'-DDT. 4,4'-DDT was reported in five samples. The listed concentrations in Table 4 were given a J qualifier during data validation as being estimated values because of high matrix spike (MS)/matrix spike duplicate percent recovery (OSM 1992a). The detected concentrations were also low, being either near or below the PQL of 8 ppb for 4,4'-DDT.

Table 4. Detected Organochlorine Pesticide/PCB Analytes.

HEIS No.	Detected analyte				>PQL[b]	MTCA method A & B cleanup levels[b]		
	Name	CAS No.	Conc. µg/kg (ppb)	Qualifier code[a]		>A	>B	
							>Carc	>Tox
B07532	4,4'-DDT	50-29-3	4.61	J	No	No	No	No
B07550	4,4'-DDT		5.26	P,J	No	No	No	No
B07551	4,4'-DDT		6.34	P,J	No	No	No	No
B07552	4,4'-DDT		8.26	P,J	No	No	No	No
B07560	4,4'-DDT		4.71	J	No	No	No	No

Notes:
MTCA = Model Toxics Control Act.
[a]PQL = Practical Quantitation Limit (EPA 1990).
[a]Organic qualifier code: J = Estimated, P = Concentration given is the lower of the two gas chromatograph/mass spectrometry columns (EPA 1991).
[b]Appendix D of this report provides MTCA Method A and B toxicity and carcinogenicity soil cleanup levels and PQL values.

2.3.2 Organochlorine Pesticide/PCB Concentrations Regarding Clean Closure

Laboratory analysis for organochlorine pesticide/PCBs detected only 4,4'-DDT, and then only at low, estimated concentrations. No 4,4'-DDT concentration exceeds the MTCA Method B residential health-based cleanup levels for toxicity or carcinogenicity. Therefore, organochlorine pesticide/PCB concentrations do not represent an impediment to clean closure.

2.4 HERBICIDE DATA SUMMARY

This section identifies and reconciles by sample number herbicide concentrations indicated in Appendix A, Table AT-4 as above detection.

2.4.1 Reported Herbicides

Three herbicides were reported in six samples as indicated in Table 5. These herbicides were 2,4-D, 2,4,5-T, (2,4,5-Trichlorophenoxy), and 2,4,5-TP (Silvex). None of these herbicides have IRIS carcinogenicity information. None of the concentrations were laboratory or validator qualified.

The sole reported 2,4-D concentration was below its PQL of 240 ppb. The concentrations of 2,4,5-T and 2,4,5-TP (B07537 and B07549) were essentially at their respective PQLs of 40 and 34 ppb. Samples B07534, B07536, B07539, and B07550 exceeded PQL by greater margins. Sample B07550 is only for already containerized soils, which are addressed in Section 3.2.

Table 5. Detected Herbicide Analytes.

HEIS No.	Detected analyte				>PQL[a]	MTCA method A & B cleanup levels (Yes/No/NA)[a]		
	Name	CAS No.	Conc. µg/kg (ppb)	Qualifier code		>A	>B	
							>Carc	>Tox
B07534	2,4,5-T	93-76-5	85.9	**	Yes	c	d	No
B07536	2,4,5-TP	93-72-1	143	**	Yes	c	d	No
B07537	2,4,5-TP	93-72-1	37.4	**	Yes	c	d	No
B07539	2,4,5-T	93-76-5	61.9	**	Yes	c	d	No
B07549	2,4,5-T	93-76-5	42.6	**	Yes	c	d	No
	2,4,5-TP	93-72-1	48.4	**	Yes	c	d	No
B07550[b]	2,4-D	94-75-7	182	**	No	c	d	No
	2,4,5-TP	93-72-1	270	**	Yes	c	d	No

Notes:
MTCA = Model Toxics Control Act.
[a]PQL = Practical Quantitation Limit (EPA 1990).
[a]Appendix D of this report provides MTCA Method A and B toxicity and carcinogenicity soil cleanup levels and PQL values.
[b]This sample represents already containerized soils.
[c]This constituent not addressed in MTCA Method A.
[d]Not classified as a carcinogen or no EPA carcinogenicity information available.
**Concentration not qualified.

2.4.2 Herbicide Concentrations Regarding Clean Closure

Most reported herbicide concentrations were only slightly above PQL. Where the exceedances were greater, the indicated concentrations are still far below their respective MTCA Method B, residential health-based cleanup levels. Therefore, herbicide concentrations do not preclude clean closure of the 2727-S site.

2.5 METALS ANALYTE DATA SUMMARY

This section identifies, by sample number, inorganic analyte concentrations indicated in Appendix A, Table AT-5 as above detection and as exceeding Hanford Site background threshold values (Appendix B, where available).

2.5.1 Screening Criteria for Inorganic Analytes

As with other analytes, inorganic concentrations were initially compared against Hanford Site background threshold values (1993B). For some inorganic carcinogens (e.g., arsenic and beryllium), the calculated MTCA Method B residential, cleanup level is below the sitewide threshold value. In such cases, the cleanup level is assumed to be natural background as determined by the Hanford Sitewide background threshold. Therefore, arsenic or beryllium detections, which were all below their respective background thresholds of 9 ppm and 1.8 ppm, will require no further evaluation.

The results of local background sampling, taken as a portion of closure verification sampling, have been considered where Hanford Site background threshold values have not been calculated and where toxicological [reference dose (RfD) or carcinogenic potency factor (CPF)] information is not available to calculate health-based cleanup levels.

In cases where the highest detected concentration is B qualified, the analyte will be listed at Table 6 only once at the highest concentration. The B qualifier is used when the reported value has been obtained from a reading above instrument detection limit (IDL) but below contract laboratory program required detection limit (CRDL) (EPA 1991). Although B qualified data are usable, they represent concentrations below levels contractually required to be quantifiable and are below MTCA B cleanup levels. Tin is listed only at its highest concentration because all tin concentrations are B qualified. Some boron and cadmium detections were also B qualified; however, with these analytes, the B qualified data were not the highest reported concentrations.

2.5.2 Reported Inorganic Analytes

Some inorganic analytes were so frequently reported that they will be addressed in Table 6 at only their highest concentration. This will demonstrate that even at their highest concentrations, none of these analytes exceed MTCA Method B residential health-based cleanup levels. Less commonly reported analytes will be individually addressed in Table 6. Silicon is not listed in Table 6 but is narratively addressed.

2.5.2.1 Frequently Reported Inorganic Analytes. Tin, boron, strontium, silver, and silicon were each reported in virtually every soil sample, including local background samples. These analytes, except silicon which is narratively addressed, are listed in Table 6 only at their highest reported concentration. Of the analytes addressed in Table 6, only silver has a Hanford Site background threshold as an initial comparison value. All but

Table 6. Detected Metals Above (or Not Having) Hanford Site 95/95 Background Threshold Values.

HEIS No.	Detected analyte				>Range of local bkgrnd[c]	MTCA method A & B cleanup levels[c]		
	Name	CAS No.	Conc. mg/kg (ppm)	Qualifier code[a]		>A	>B	
							>Carc	>Tox
B07532	Cadmium	7440-43-9	0.61	B	No	No	g	No
	Copper	7440-50-8	36.0	··	Yes	f	g	No
	Lead	7439-92-1	55.5	··	Yes	No	e,g	e,h
	Zinc	7440-66-6	160	J	Yes	f	g	No
B07534	Antimony	7440-36-0	12.8	J	Yes	f	g	No
B07536	Cobalt	7440-48-4	25.1	··	Yes	f	g	No
B07538	Lead	7439-92-1	41.4	··	Yes	No	g	h
	Cadmium	7440-43-9	1.5	··	Yes	No	g	No
B07541	Cobalt	7440-48-4	34.2	··	Yes	f	g	No
B07542	Cobalt	7440-48-4	42.5	··	Yes	f	g	No
B07543	Lead	7439-92-1	33.8	··	Yes	No	g	h
	Tin	7440-31-5	11.6[d]	B	Yes	f	g	No
B07546	Antimony	7440-36-0	11.2	J	Yes	f	g	No
	Silver	7440-22-4	7.9[d]	J	Yes	f	g	No
B07547	Cobalt	7440-48-4	169	··	Yes	f	g	No
	Nickel	7440-02-0	27.7	··	Yes	f	g	No
	Strontium	7440-24-6	31.9[d]	J	Yes	f	g	No
B07550[b]	Boron	7440-42-8	13.1	··	Yes	f	g	No
B07560	Boron	7440-42-8	9.2[d]	··	Yes	f	g	No
	Lead	7439-92-1	17.5	··	Yes	No	g	h
	Cadmium	7440-43-9	0.61	J	No	No	g	No
	Zinc	7440-66-6	99.5	··	Yes	f	g	No
B07562[b]	Lead	7439-92-1	25.2	··	Yes	No	g	h
	Copper	7440-50-8	35.0	··	Yes	f	g	No

Notes:
[a]MTCA = Model Toxics Control Act.
[b]Inorganic concentration qualifiers: J = Estimated; B = Value greater than IDL but less than contractually required detection limit (EPA 1991).
[c]The soils represented by this sample are already containerized at the Hanford Site and no further cleanup level is necessary.
[d]Appendix D of this report provides MTCA Method A and B toxicity and carcinogenicity soil cleanup levels and range of local background.
[e]This is the highest concentration of this frequently detected analyte.
[f]Lead has only MTCA Method A cleanup levels.
[g]This constituent not addressed in MTCA Method A.
[h]Not classified as a carcinogen or no EPA carcinogenicity information available.
··Toxicity information not available from the EPA.
··Concentration not qualified.

silicon have toxicity information with which to calculate health-based cleanup levels.

Tin. All reported tin concentrations were B qualified. Table 6 lists only the highest tin concentration, sample B07543 at 11.6 ppm. This value exceeded the range of local background (8.1 to 10.9) by less than 1 ppm.

Boron. Boron's highest concentrations were reported at samples B07550 (the highest 13.1; drummed soils) and B07560. Samples B07550 and B07560 are listed in Table 6. Sample B07560 is listed as the highest concentration representing site soils. Sample B07550 is used in Table 6 for information regarding containerized soils and as being the highest overall boron concentration. Most boron concentrations (not B07550 or B07560) were B qualified. Boron is not an EPA listed hazardous substance (40 CFR 261) nor is it a WAC dangerous waste constituent (WAC 173-303).

Strontium. Strontium concentrations for all samples were J qualified as estimated during sample validation because of low MS recoveries and high relative percent deviation (EPA 1991) in duplicates. Only the highest strontium concentration, sample B07547 at 31.9 ppm, is shown in Table 6.

Silver. All silver concentrations were J qualified during sample validation because of low MS recoveries. Silver concentrations range from a low of 4.4 ppm to a high of 7.9 ppm for sample B07546, which is the only silver result listed in Table 6. Silver has a calculated Hanford Site background threshold of 2.4 ppm. However, this threshold is so low that all silver results exceed it. The highest silver concentration of 7.9 ppm is only slightly above silver's CRDL of 7 ppm (EPA 1991) and is well below the maximum concentration of 14.6 ppm found during sitewide background sampling (Appendix B). The 2727-S site background samples indicate a local background range for silver of 5.4 to 6.5 ppm, which is exceeded by the highest silver concentration by only about 1 ppm.

Silicon. Silicon (Si) is the second most abundant element on earth and is a major constituent of soil. As such, silicon was reported in all soil samples, including local background samples. The 2727-S high was 464 ppm in sample B07547. Silicon exceeded sitewide background threshold value of 239 mg/kg in 18 samples and 12 exceeded the range of local background (209 to 268 ppm). All silicon results were J qualified as estimated values because of low MS recoveries.

Silicon is not an EPA listed hazardous substance (40 CFR 261) nor is it a WAC dangerous waste constituent (WAC 173-303) having a waste designation level. No toxicity (RfD) information or carcinogenicity (CPF) information is available from the EPA. Consequently, silicon has no established health-based cleanup level or bearing on dangerous waste regulations.

2.5.2.2 Less Frequently Reported Inorganic Analytes. Less frequently reported inorganic analytes were nickel, copper, cadmium, lead, zinc, cobalt, and antimony.

Nickel, copper, lead, zinc, and cobalt have Hanford Site background threshold values. Those exceeding Hanford Site background thresholds are

individually listed in Table 6. Except for one J qualified zinc result, concentrations of these analytes were not qualified during validation. All of these analytes have toxicity-related health-based cleanup levels (Appendix D).

Cadmium and antimony do not have calculated Hanford Site background thresholds. However, they do have toxicity-related health-based cleanup levels (Appendix D). Of the three cadmium concentrations, only B07538 exceeded local background (by less than 1 ppm); B07560 was J qualified (estimated); and, B07532 was B qualified (>IDL but <CRDL). Both antimony concentrations were J qualified (estimated) and exceeded local background by less than 2 ppm.

Selenium (Se) and thallium (Tl) results are not considered in this report. Neither of these have a calculated Hanford Site background threshold. All selenium and thallium data for the samples required by the closure plan (B07531 through B07560) were rejected (R qualified) during sample validation because of 0% MS recovery. The selenium and thallium concentrations for oil-spill sample B07562 were not rejected but were reported by the laboratory as below detection.

2.5.3 Inorganic Analyte Concentrations Regarding Clean Closure

Of the frequently reported inorganic analytes (Section 2.5.2.1), most concentrations were reported only near detection levels. All except silicon were listed in Table 6 but only at their highest concentration. Silicon was narratively justified. Only at their highest did any of these concentrations exceed local background. Boron, silicon, and tin are not EPA listed hazardous substances (40 CFR 261) nor WAC dangerous waste constituents (WAC 173-303) and can be considered innocuous at levels found in 2727-S soils. The concentrations of analytes listed in Table 6 do not exceed MTCA Method B residential cleanup levels and therefore do not represent an impediment to clean closure.

Of the less frequently detected inorganic analytes (Section 2.5.2.2), all above sitewide background thresholds were individually listed in Table 6. None of these analytes exceeded either MTCA Method A levels, where applicable, or MTCA Method B residential cleanup levels and therefore do not represent an impediment to clean closure.

2.6 OTHER INORGANICS DATA SUMMARY

This section identifies, by sample number, analyte concentrations indicated in Appendix A, Table AT-6 as being above detection. The constituents shown in Appendix A, Table AT-6, are fluoride, chloride, nitrate, bromide, nitrite, ortho-phosphate, sulfate, ammonia, cyanide (total), and sulfide. These analytes are all anions except ammonia, which is a compound. Analytes were reported above detection when the concentration exceeded the method detection limit (MDL) shown on laboratory summary sheets for individual samples.

2.6.1 Screening Criteria

For analytes reported above detection, the initial screening concentration was its Hanford Site background threshold value, where available. Fluoride, chloride, nitrate, ortho-phosphate, sulfate, and ammonia have Hanford Sitewide background thresholds; nitrite, bromide, sulfide, and cyanide do not. Local background sample results will be considered in the evaluation of these analytes.

The final comparison concentration for each analyte was its respective MTCA Method B health-based cleanup level. Cyanide and nitrite have health-based cleanup levels and are addressed in Table 7. Bromide and sulfide are not addressed in Table 7 because of lack of published toxicity or carcinogenicity information with which to calculate health-based cleanup levels. These are narratively reconciled later in this section.

Table 7. Detected Anions Either Above (or Not Having) Hanford Site 95/95 Background Threshold Values.

HEIS No.	Detected analyte				> Range of local bkgrnd[b]	MTCA method A & B cleanup levels[b]		
	Name	CAS No.	Conc. mg/kg (ppm)	Qualifier code[a]		>A	>B	
							>Carc	>Tox
B07537	Nitrite	14797-65-0	0.224	..	Yes	e	f	No
B07543	Cyanide	57-12-5	0.768	..	Yes	e	f	No
B07550[c]	Nitrite	14797-65-0	5.076	..	Yes	e	f	No
B07551	Nitrite	14797-65-0	1.122	..	Yes	e	f	No
B07552	Nitrite	14797-65-0	1.158	..	Yes	e	f	No
B07554	Cyanide	57-12-5	6.42	..	Yes	e	f	No
B07557[d]	Cyanide	57-12-5	0.615	..	Yes	e	f	No
B07558[d]	Nitrite	14797-65-0	0.25	..	No	e	f	o
B07560	Cyanide	57-12-5	0.275	J	No	e	f	No

Notes:
[a]MTCA = Model Toxics Control Act.
[b]Concentration qualifiers: J = Estimated (EPA 1991).
[c]Appendix D of this report provides MTCA Method A and B toxicity and carcinogenicity soil cleanup levels and range of local background.
[d]This sample represents containerized soils only. No further cleanup is necessary.
[e]Local background sample.
[f]This constituent not addressed in MTCA Method A.
[o]Not classified as a carcinogen or no EPA carcinogenicity information available.
..Concentration not qualified.

These analytes by themselves are not EPA listed hazardous substances (40 CFR 261) nor WAC dangerous waste constituents (WAC 173-303). Except for nitrite and cyanide, anions alone are not generally regulated and have no

toxicity (RfD) or CPF information with which to calculate a health-based cleanup level.

In the past, the significance of anions as possible site contaminants lay in a perceived potential to combine with other site contaminants resulting in a regulated compound. Of concern were anions in combination with inorganic elements, particularly heavy metals, forming toxic compounds that are persistent in the environment. Based on this concern an equivalent concentration (EC) determination was performed after a list of potential toxic constituents was established using a method of "ion-pairing" developed by the Westinghouse Hanford Company Acceptance Services (WHC 1993a). Ion-pairing was used to comply with WAC 173-303-101 in determining if waste is toxic. However, this method of waste determination presented a worst-case scenario that may or may not have reflected true site conditions. It is therefore no longer considered appropriate as a waste identification tool and is no longer being performed. Nonetheless, report results will be narratively reconciled in Section 2.6.4. No potential compound identified in the EC report is listed in Table 7. Anions are addressed in Table 7 only where regulated by themselves.

2.6.2 Other Inorganics

Fluoride, chloride, nitrate, sulfate, ammonia, and ortho-phosphate did not exceed their calculated Hanford Sitewide background thresholds and require no further evaluation. Only ortho-phosphate exceeded both sitewide threshold value and the range of local background at sample B07550. Ortho-phosphate has no health-based level cleanup level and so this exceedance is narratively addressed later in Section 2.6.3 and not in Table 7.

Nitrite and cyanide exceeded their MDL only slightly. Of the five reported nitrite concentrations, B07550 (containerized soils only) exceeded MDL by less than 5 ppm and the other four exceeded MDL by less than 1 ppm. Of the three cyanide detections, sample B07543 exceeded MDL by only 2 ppm, and the others by 1 ppm or less.

Sulfide and bromide have no calculated Hanford Sitewide background thresholds and both exceeded their respective local background ranges. Bromide and sulfide are narratively reconciled in Section 2.6.3.

2.6.3 Acceptance of Anions Not Addressed in Table 7

Bromide, ortho-phosphate, and sulfide have no published toxicological (RfD or CPF) data for the calculation of health-based cleanup levels and concentrations of these analytes are narratively reconciled and are not listed in Table 7.

Bromide. Bromide is discussed in this report due to its having been detected at samples B07550, B07551, and B07552. The highest bromide concentration at 2727-S is less than 2 ppm. The MDL for bromide in these samples is 0.10 ppm. Bromide may be associated with toxicity related to medical usage as a sleep-inducing agent, but is not associated with toxic

effects from environmental exposures (Ellenhorn and Barceloux 1988). Toxicity effects result from ingestion of bromide compounds in greater than 10-gram doses, which is orders of magnitude higher than the 2 ppm found in 2727-S soils.

Ortho-phosphate. Ortho-phosphate exceeded Hanford Sitewide background only at sample B07550. The MDL for ortho-phosphate in this sample is 0.10 ppm. Sample B07550 represents currently containerized 2727-S site soils requiring no further cleanup (Ecology et al. 1993). The soils have already been characterized as nondangerous, nonregulated waste soils (WHC 1993a; WHC 1993b) in accordance with the WAC 173-303 waste designation process.

Sulfide. Sulfide is discussed in this report due to its having been detected at samples B07533, B07535, B07536, B07537, B07542, B07550, B07554, and B07558 (local background sample). Of the eight sulfide detections, five exceeded their respective MDLs by less than 1 ppm and were essentially at local background levels. The three highest, B07536, B07542, and B07550, range from 10 to 18 ppm, which are negligible concentrations for constituents that are not regularly recognized as hazardous substances (40 CFR 261) or dangerous waste constituents (WAC 173-303) under environmental exposure conditions.

2.6.4 Equivalent Concentration Determination

In the past, the EC determination process, also called 'ion-paring' identified possible site dangerous waste compounds by matching the concentrations of site inorganic cations and anions present as reported by site sampling. An EC determination was a measure of the potential for a compound to exist, not a measure of actual compound concentrations at the site. The maximum possible EC for each potential compound was calculated using the formulas of WAC 173-303-101 and summed to establish total potential sample toxicity. The EC determination also indicated that cobalt levels for sample B07547 would cause that sample to designate as WC02, carcinogenic dangerous waste.

2.6.4.1 Equivalent Concentration Determination Report Results for Ion-Pairings. Of the 29 samples submitted for EC determination, 18 would designate as dangerous waste if a potential for silver nitrate (toxicity category X; WAC 173-303-101) were actually realized at the site. These samples would all designate as WT02, Washington State dangerous waste.

The highest EC for silver nitrate was calculated at .0012 % WT which only slightly exceeded the toxicity determination criteria of $\geq$ .001 percent of total sample weight (% WT). Other, less toxic potential compounds such as copper sulfate, copper nitrate, and mercuric sulfate, have a lower toxicity category and only slightly contributed to potential sample toxicity. However, for 6 of the 18 samples, cumulative toxicity of multiple potential compounds resulted in a toxicity determination for the sample. For these 6 samples even the highest total EC (.00174% WT for sample B07551) only slightly exceeded the EC toxicity criteria ($\geq$ .001% WT).

The EC determination did not consider natural background levels. For example, background sample B07559 was taken outside the area of operations and

yet it received a toxicity determination for potential silver nitrate based on assumed natural background silver and nitrate levels. Even though the 2727-S waste inventory (DOE-RL 1988b) indicates that the unit stored small quantities of containerized silver nitrate as waste from Hanford photographic labs, it is inconceivable that silver nitrate would so uniformly exist in soils throughout the site, including background sample areas. Further, all of the silver and nitrate used to calculate potential silver nitrate would have to combine as silver nitrate for the soil to require regulation as WT02 waste. Consequently, silver nitrate at EC determination levels can reasonably be dismissed for all samples as an unproven and unlikely potential only.

2.6.4.2 Report Results for Cobalt. The designation of sample B07547 as WC02 carcinogenic dangerous waste is based on waste designation performed per WAC 173-0303-103. This designation method was based on identification of a substance as carcinogenic by the International Agency for Research on Cancer. Cobalt is an International Agency for Research on Cancer carcinogen. Under this criteria the cobalt level of .0169% WT (169 mg/kg) at sample B07547 would slightly exceed the designation criteria of .01% WT for WC02 carcinogenic dangerous waste. However, to be considered carcinogenic under the newly promulgated WAC 173-303-100, a substance must be classified as carcinogenic by both the National Institute for Occupational Safety and Health and by IRIS. Cobalt is not classified for carcinogenicity by IRIS. Consequently, cobalt does not meet current criteria for carcinogenicity and the carcinogenicity determination for sample B07547 presented in the EC report is dismissable as regulatorily not applicable.

Cobalt has, however, been assigned an oral RfD for toxicity by IRIS. This RfD has been used in establishing a non-carcinogen MTCA Method B cleanup level. The cobalt level at sample B07547 of 169 mg/kg is far below the MTCA Method B cleanup level of 4800 mg/kg.

2.6.5 Other Inorganic Analyte Concentrations Regarding Clean Closure

Hanford Sitewide background threshold values, where available, screened out all reported concentrations. Of the analytes reported above detection and not having Hanford Sitewide background thresholds as an initial filter, few exceeded detection levels (MDL) by more than 1 ppm. Bromide and sulfide exceeded the range of local background but have been narratively disregarded as either not being of concern regarding environmental exposures (bromide) or as being sufficiently innocuous to have no published toxicological effects levels (sulfide). Both nitrite and cyanide slightly exceeded their MDLs but did not exceed their respective MTCA, Method B, residential health-based cleanup levels identified in Appendix D. Therefore, anion concentrations do not represent an impediment to clean closure.

3.0 CONCLUSIONS

This section presents report conclusions regarding clean closure of the 2727-S NRDWS Facility. This section also addresses the fate of containerized, nonregulated waste soils currently stored at the 2727-S site.

3.1 FATE OF CONTAINERIZED SOILS AT THE 2727-S NRDWS FACILITY SITE

Containerized, nonregulated waste soils and materials are currently stored at the 2727-S site. A determination regarding the disposal of these soils and materials is presented in this section.

3.1.1 Barreled Soils

Four 55-gallon drums containing waste soils from stained soil areas No. 1 and No. 2 (Figure 1) are staged on pallets at the 2727-S demolition site. These soils are represented by composite soil sample B07550 and have been characterized as nonregulated waste soils. This characterization is based on application of the WAC 173-303 waste designation processes to 2727-S analytical results (WHC 1993a; WHC 1993b).

Revision 3 of the closure plan requires the removal of the site soils only where analysis indicates a waste code comparable to the 2727-S NRDWS Facility (i.e., WT02). These soils have been characterized as nonregulated waste soils and consequently do not require disposal as WT02 dangerous waste. These soils also contain no dangerous waste constituents above MTCA Method B clean closure levels. They are also visually similar to other site soils. Consequently, they will be returned to the 2727-S site as appropriate excavation fill material.

3.1.2 Poly-Bagged Soils and Piping Remnants

A small quantity of saturated absorbent and waste soil currently exists at the 2727-S site that was originally containerized in polybags. The polybags have since been placed in drums remaining at the site. These waste materials are the result of a minor spill of an oil-like fluid during facility demolition. They are represented by soil sample B07562. The spill area was not physically within the areal extent of the soils that were, as directed by the closure plan, to be automatically designated as WT02 dangerous waste and disposed of offsite.

As recognized by Ecology (Ecology et al. 1993), this spill requires no further sampling or cleanup because of the small quantity of spilled material because it was totally removed, and because the waste was characterized as nonregulated (WHC 1993a; WHC 1993b) based on the application of the

WAC 173-303 waste designation process to sample B07562 analytical results. However, because these soils and absorbent are discolored (blackened), they will not be used as 2727-S site fill material but will be disposed of as nondangerous waste in accordance with the requirements of controlled manual, *Environmental Compliance* (WHC-CM-7-5).

Several small bore piping remnants are currently staged on pallets near the waste soil drums. This piping is debris from site demolition and was the source of the oil-like fluid leak. This piping, like the poly-bagged soils, will be disposed of as nondangerous waste in accordance with *Environmental Compliance* (WHC-CM-7-5).

3.2 REPORT POSITION REGARDING CLEAN CLOSURE OF THE 2727-S NRDWS FACILITY

The findings and conclusions presented in this report are based on the analytical results of 2727-S NRDWS Facility TSD unit closure verification sampling.

This sampling identified relatively few analyte concentrations above detection (Appendix A). No organophosphate pesticides or PCBs were detected. Most of the reported concentrations were only slightly above detection levels. Where Hanford Site background threshold values (Appendix B) were available, detections were generally screened out from requiring further consideration. Organic analyte (VOC, semi-VOC, organochlorine pesticide, herbicide) detections were dismissed because of low concentrations, due to their status as common laboratory contaminants, and due to their not exceeding MTCA Method B residential health-based cleanup levels. Inorganic analytes, including metals and anions, reported above detection were dismissed as not exceeding Hanford Sitewide background threshold levels as not representing in situ soils, as being essentially reflective of local 2727-S background, or as being common soil constituents not recognized as hazardous substances or dangerous waste constituents. Further, no concentrations exceeded its respective MTCA Method B residential health-based cleanup levels, where available.

The 2727-S NRDWS Facility TSD soil analytical results indicate that unit soils contain no contamination at concentrations that could cause site soils to be regulated as dangerous waste or that exceed MTCA (WAC 173-340) Method A and/or Method B residential, health-based cleanup levels (Appendix D). Residential cleanup standards are stringent for closure of 200 West Area units such as the 2727-S NRDWS Facility, however, their use illustrates the low level of contamination at the 2727-S site. Consequently, under the provisions of WAC 173-303-610, this unit qualifies for clean closure without further sampling, removal, or decontamination of unit soils.

4.0 REFERENCES

References cited throughout the text are presented in this chapter.

4.1 DOCUMENTS

DOE-RL, 1988a, *2727-S Nonradioactive Dangerous Waste Storage Facility Closure Plan*, DOE/RL-88-37, Revision 3A, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE-RL, 1988b, *2101-M Ponds Closure Plan*, DOE/RL-88-41, Revision 1, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE-RL, 1993a, [Memorandum for transmittal] *Laboratory Data Package and Data Validation Report for the 2727-S Nonradioactive Dangerous Waste Storage Facility Closure Sampling, 93-RPS-190*, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE-RL, 1993b, *Hanford Site Background: Parts 1 and 2, Soil Background for Nonradioactive Analytes*, DOE/RL 92-24, Revision 1, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Dragun, J., 1988, *The Soil Chemistry of Hazardous Materials*, The Hazardous Materials Research Institute, Silver Springs, Maryland.

Ecology, 1991, [Concurrence Letter] *Regarding: 2727-S Nonradioactive Dangerous Waste Storage Facility Closure Plan*, Washington State Department of Ecology, Olympia, Washington.

Ecology, EPA, and DOE, 1993, *Unit Manager Meeting Minutes for 2727-S Nonradioactive Dangerous Waste Storage Facility, July 18, 1993*, Washington State Department of Ecology, U.S. Environmental Protection Agency, U.S. Department of Energy, Richland, Washington.

Ecology, 1993, *Cleanup Levels and Risk Calculation Database (CLARC II)*, July 1993 Update to the Model Toxics Control Act (MTCA) Cleanup Standards Database, [Davis Wright Tremaine for the] Washington State Department of Ecology, Olympia, Washington.

Ellenhorn, M. J. and D. G. Barceloux, 1988, *Medical Toxicology; Diagnosis and Treatment of Human Poisoning*, Elsevier, New York, New York.

EPA, 1988a, *Integrated Risk Information System (IRIS)*, (Online Information System) Environmental Criteria and Assessment Office, U.S. Environmental Protection Agency, Cincinnati, Ohio.

EPA, 1988b, *Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, Sample Management Office*, U.S. Environmental Protection Agency, Cincinnati, Ohio.

EPA, 1990, *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*, SW-846, as amended, (Supplement 1990), U.S. Environmental Protection Agency, Washington, D.C.

EPA, 1991, *USEPA Contractor Laboratory Program Statement of Work of Inorganics Analysis: Multi-Medial, Multi-Concentration*, U.S. Environmental Protection Agency, Sample Management Laboratory, Washington, D.C.

EPA, 1992, *Test Methods for Evaluating Solid Waste - Physical/Chemical Methods, SW-846, (Proposed Update II)*, U.S. Environmental Protection Agency, Washington, D.C.

Lindsey, J. E., 1993, "Exemptions from Radiation Protection Release Surveys", letter #33830-93-009, Westinghouse Hanford Company, Richland, Washington.

OSM, 1992a, *Office of Sample Management, Sample Authorization Form (SAF), No. 92-262*, Westinghouse Hanford Company, Richland, Washington.

OSM, 1992b, *Office of Sample Management, Sample Authorization Form (SAF), No. 92-3095*, Westinghouse Hanford Company, Richland, Washington.

Resource Conservation and Recovery Act of 1976, 42 USC 6901 et seq.

Sittig, M., 1985, *Handbook of Toxic and Hazardous Chemical and Carcinogens*, Noyes Publications, Mill Road, Park Ridge, New Jersey.

WHC, 1990, *Westinghouse Hanford Company Hanford Environmental Information System (HEIS) User's Manual*, WHC-EP-0372, Volume 1, Westinghouse Hanford Company, Richland, Washington.

WHC, 1992a, *Field Logbook, WHC-N-205, No. 21*, Westinghouse Hanford Company, Richland, Washington.

WHC, 1992b, *[Telephone Conference Memorandum] WHC and EPA Region 10 QA (Bruce Woods)-2727-S Soil Sample "Hits,"* Westinghouse Hanford Company, Richland, Washington.

WHC, 1993a, *Predetermination of Containerized Waste Soils at the 2727-S NRDWS Facility Demolition Site - Request No. 22139*, Westinghouse Hanford Company, Richland, Washington.

WHC, 1993b, *Predetermination of Waste Soils at the 2727-S NRDWS Facility Demolition Site for Equivalent Concentrations (Ion Pairing) - Request No. 22932*, Westinghouse Hanford Company, Richland, Washington.

WHC-CM-7-5, *Environmental Compliance*, Westinghouse Hanford Company, Richland, Washington.

4.2 CODE OF FEDERAL REGULATIONS AND FEDERAL REGISTER

40 CFR 261, "Identification and Listing of Hazardous Waste," *Code of Federal Regulations*, Part 261, as amended, U.S. Environmental Protection Agency, Washington, D.C.

4.3 WASHINGTON ADMINISTRATIVE CODE

WAC 173-303, *Dangerous Waste Regulations*, Washington State Department of Ecology, Olympia, Washington.

WAC 173-340, *Model Toxics Control Act*, Washington State Department of Ecology, Olympia, Washington.

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APPENDIX A

SUMMARIZED 2727-NRDWS FACILITY SAMPLING RESULTS

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Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07531	Result	Units	Qualifier	B07532	Result	Units	Qualifier	B07533	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		50	ug/Kg	U		51	ug/Kg	U		52	ug/Kg	U
2-Butanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
2-Hexanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
4-Methyl-2-pentanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Acetone		13	ug/Kg			10	ug/Kg	U		10	ug/Kg	U
Acetonitrile		50	ug/Kg	U		51	ug/Kg	U		52	ug/Kg	U
Acrolein		50	ug/Kg	U		51	ug/Kg	U		52	ug/Kg	U
Acrylonitrile		50	ug/Kg	U		51	ug/Kg	U		52	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		500	ug/Kg	U		510	ug/Kg	U		520	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		50	ug/Kg	U		51	ug/Kg	U		52	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	J		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		500	ug/Kg	U		510	ug/Kg	U		520	ug/Kg	U
Methacrylonitrile		50	ug/Kg	U		51	ug/Kg	U		52	ug/Kg	U
Methylenechloride		12	ug/Kg			76	ug/Kg			240	ug/Kg	
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07534	Result	Units	Qualifier	B07535	Result	Units	Qualifier	B07536	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		54	ug/Kg	U		53	ug/Kg	U		54	ug/Kg	U
2-Butanone		11	ug/Kg	U		10	ug/Kg	U		11	ug/Kg	U
2-Hexanone		11	ug/Kg	U		10	ug/Kg	U		11	ug/Kg	U
4-Methyl-2-pentanone		11	ug/Kg	U		10	ug/Kg	U		11	ug/Kg	U
Acetone		11	ug/Kg	U		10	ug/Kg	J		11	ug/Kg	U
Acetonitrile		54	ug/Kg	U		53	ug/Kg	U		54	ug/Kg	U
Acrolein		54	ug/Kg	U		53	ug/Kg	U		54	ug/Kg	U
Acrylonitrile		54	ug/Kg	U		53	ug/Kg	U		54	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		540	ug/Kg	U		530	ug/Kg	U		540	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		54	ug/Kg	U		53	ug/Kg	U		54	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		540	ug/Kg	U		530	ug/Kg	U		540	ug/Kg	U
Methacrylonitrile		54	ug/Kg	U		53	ug/Kg	U		54	ug/Kg	U
Methylenechloride		63	ug/Kg			7	ug/Kg			20	ug/Kg	
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		11	ug/Kg	U		10	ug/Kg	U		11	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07537	Result	Units	Qualifier	B07538	Result	Units	Qualifier	B07539	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		52	ug/Kg	U		55	ug/Kg	U		54	ug/Kg	U
2-Butanone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
2-Hexanone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
4-Methyl-2-pentanone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetone		10	ug/Kg	U		9	ug/Kg	J		11	ug/Kg	U
Acetonitrile		52	ug/Kg	U		55	ug/Kg	U		54	ug/Kg	U
Acrolein		52	ug/Kg	U		55	ug/Kg	U		54	ug/Kg	U
Acrylonitrile		52	ug/Kg	U		55	ug/Kg	U		54	ug/Kg	U
Allyl chloride		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Chloroprene		520	ug/Kg	U		550	ug/Kg	U		540	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		52	ug/Kg	U		55	ug/Kg	U		54	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		520	ug/Kg	U		550	ug/Kg	U		540	ug/Kg	U
Methacrylonitrile		52	ug/Kg	U		55	ug/Kg	U		54	ug/Kg	U
Methylenechloride		14	ug/Kg			25	ug/Kg			92	ug/Kg	
Pentachloroethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		6	ug/Kg	U		5,	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		6	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07540	Result	Units	Qualifier	B07541	Result	Units	Qualifier	B07542	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		50	ug/Kg	U		53	ug/Kg	U		53	ug/Kg	U
2-Butanone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
2-Hexanone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
4-Methyl-2-pentanone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetone		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetonitrile		50	ug/Kg	U		53	ug/Kg	U		53	ug/Kg	U
Acrolein		50	ug/Kg	U		53	ug/Kg	U		53	ug/Kg	U
Acrylonitrile		50	ug/Kg	U		53	ug/Kg	U		53	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		500	ug/Kg	U		530	ug/Kg	U		530	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		50	ug/Kg	U		53	ug/Kg	U		53	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		500	ug/Kg	U		530	ug/Kg	U		530	ug/Kg	U
Methacrylonitrile		50	ug/Kg	U		53	ug/Kg	U		53	ug/Kg	U
Methylenechloride		5	ug/Kg	U		5	ug/Kg	U		6	ug/Kg	
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		10	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07543	Result	Units	Qualifier	B07544	Result	Units	Qualifier	B07545	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		54	ug/Kg	U		54	ug/Kg	U		54	ug/Kg	U
2-Butanone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
2-Hexanone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
4-Methyl-2-pentanone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetonitrile		54	ug/Kg	U		54	ug/Kg	U		54	ug/Kg	U
Acrolein		54	ug/Kg	U		54	ug/Kg	U		54	ug/Kg	U
Acrylonitrile		54	ug/Kg	U		54	ug/Kg	U		54	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		540	ug/Kg	U		540	ug/Kg	U		540	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		54	ug/Kg	U		54	ug/Kg	U		54	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		540	ug/Kg	U		540	ug/Kg	U		540	ug/Kg	U
Methacrylonitrile		54	ug/Kg	U		54	ug/Kg	U		54	ug/Kg	U
Methylenechloride		8	ug/Kg			5	ug/Kg	U		5	ug/Kg	U
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07546	Result	Units	Qualifier	B07547	Result	Units	Qualifier	B07548	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		55	ug/Kg	U		53	ug/Kg	U		55	ug/Kg	U
2-Butanone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
2-Hexanone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
4-Methyl-2-pentanone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetone		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Acetonitrile		55	ug/Kg	U		53	ug/Kg	U		55	ug/Kg	U
Acrolein		55	ug/Kg	U		53	ug/Kg	U		55	ug/Kg	U
Acrylonitrile		55	ug/Kg	U		53	ug/Kg	U		55	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		550	ug/Kg	U		530	ug/Kg	U		550	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		55	ug/Kg	U		53	ug/Kg	U		55	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		550	ug/Kg	U		530	ug/Kg	U		550	ug/Kg	U
Methacrylonitrile		55	ug/Kg	U		53	ug/Kg	U		55	ug/Kg	U
Methylenechloride		5	ug/Kg	U		6	ug/Kg			5	ug/Kg	U
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		11	ug/Kg	U		11	ug/Kg	U		11	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07549	Result	Units	Qualifier	B07550	Result	Units	Qualifier	B07551	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		53	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
2-Butanone		11	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
2-Hexanone		11	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
4-Methyl-2-pentanone		11	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Acetone		11	ug/Kg	U		91	ug/Kg	J		60	ug/Kg	
Acetonitrile		53	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Acrolein		53	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Acrylonitrile		53	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		6	ug/Kg	J		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		530	ug/Kg	U		500	ug/Kg	U		500	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		53	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		530	ug/Kg	U		500	ug/Kg	U		500	ug/Kg	U
Methacrylonitrile		53	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Methylenechloride		5	ug/Kg	U		69	ug/Kg	J		41	ug/Kg	
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		11	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07552	Result	Units	Qualifier	B07553	Result	Units	Qualifier	B07554	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		50	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
2-Butanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
2-Hexanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
4-Methyl-2-pentanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Acetone		23	ug/Kg			21	ug/Kg			100	ug/Kg	
Acetonitrile		50	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Acrolein		50	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Acrylonitrile		50	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		500	ug/Kg	U		500	ug/Kg	U		500	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		50	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		500	ug/Kg	U		500	ug/Kg	U		500	ug/Kg	U
Methacrylonitrile		50	ug/Kg	U		50	ug/Kg	U		50	ug/Kg	U
Methylenechloride		25	ug/Kg			14	ug/Kg			15	ug/Kg	
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07555	Result	Units	Qualifier	B07556	Result	Units	Qualifier	B07557	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		50	ug/Kg	U		51	ug/Kg	U		50	ug/Kg	U
2-Butanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
2-Hexanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
4-Methyl-2-pentanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Acetone		100	ug/Kg			10	ug/Kg	U		10	ug/Kg	U
Acetonitrile		50	ug/Kg	U		51	ug/Kg	U		50	ug/Kg	U
Acrolein		50	ug/Kg	U		51	ug/Kg	U		50	ug/Kg	U
Acrylonitrile		50	ug/Kg	U		51	ug/Kg	U		50	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		500	ug/Kg	U		510	ug/Kg	U		500	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		50	ug/Kg	U		51	ug/Kg	U		50	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		500	ug/Kg	U		510	ug/Kg	U		500	ug/Kg	U
Methacrylonitrile		50	ug/Kg	U		51	ug/Kg	U		50	ug/Kg	U
Methylenechloride		11	ug/Kg			12	ug/Kg			48	ug/Kg	
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07558	Result	Units	Qualifier	B07559	Result	Units	Qualifier	B07560	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,1-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1,2-Trichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,1-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2,3-Trichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-DIMETHYLBENZENE		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromo-3-chloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dibromoethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,2-Dichloropropane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
1,4-Dioxane		50	ug/Kg	U		50	ug/Kg	U		51	ug/Kg	U
2-Butanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
2-Hexanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
4-Methyl-2-pentanone		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Acetone		45	ug/Kg			23	ug/Kg			14	ug/Kg	J
Acetonitrile		50	ug/Kg	U		50	ug/Kg	U		51	ug/Kg	U
Acrolein		50	ug/Kg	U		50	ug/Kg	U		51	ug/Kg	U
Acrylonitrile		50	ug/Kg	U		50	ug/Kg	U		51	ug/Kg	U
Allyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Benzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromodichloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromoform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Bromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon disulfide		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Carbon tetrachloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chlorobenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroform		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Chloroprene		500	ug/Kg	U		500	ug/Kg	U		510	ug/Kg	U
Dibromochloromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dibromomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Dichlorodifluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethyl cyanide		50	ug/Kg	U		50	ug/Kg	U		51	ug/Kg	U
Ethyl methacrylate		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Ethylbenzene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Iodomethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Isobutyl alcohol		500	ug/Kg	U		500	ug/Kg	U		510	ug/Kg	U
Methacrylonitrile		50	ug/Kg	U		50	ug/Kg	U		51	ug/Kg	U
Methylenechloride		110	ug/Kg			69	ug/Kg			41	ug/Kg	J
Pentachloroethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Styrene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Tetrachloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Toluene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloroethene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Trichloromonofluoromethane		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Vinyl acetate		10	ug/Kg	U		10	ug/Kg	U		10	ug/Kg	U
Vinyl chloride		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
Xylenes (total)		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
cis-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,3-Dichloropropene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U
trans-1,4-dichloro-2-butene		5	ug/Kg	U		5	ug/Kg	U		5	ug/Kg	U

Summary of Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07560	Result	Units	Qualifier	B07561	Result	Units	Qualifier	B07562	Result	Units	Qualifier
1,1,1,2-Tetrachloroethane		5	ug/Kg	U	**	**	**	**				
1,1,1-Trichloroethane		5	ug/Kg	U		5		U				
1,1,2,2-Tetrachloroethane		5	ug/Kg	U		5		U				
1,1,2-Trichloroethane		5	ug/Kg	U		5		U				
1,1-Dichloroethane		5	ug/Kg	U		5		U				
1,1-Dichloroethene		5	ug/Kg	U		5		U				
1,2,3-Trichloropropane		5	ug/Kg	U	**	**	**	**				
1,2-Dibromo-3-chloropropane		5	ug/Kg	U	**	**	**	**				
1,2-Dibromoethane		5	ug/Kg	U	**	**	**	**				
1,2-Dichloroethane		5	ug/Kg	U		5		U				
1,2-Dichloroethene		5	ug/Kg	U		5		U				
1,2-Dichloropropane		5	ug/Kg	U		5		U				
1,2-Dimethylbenzene		5	ug/Kg	U	**	**	**	**				
1,4-Dioxane		51	ug/Kg	U	**	**	**	**				
2-Butanone		10	ug/Kg	U		3		U				
2-Hexanone		10	ug/Kg	U		10		U				
4-Methyl-2-pentanone		10	ug/Kg	U		19						
Acetone		14	ug/Kg	J		9		U				
Acetonitrile		51	ug/Kg	U	**	**	**	**				
Acrolein		51	ug/Kg	U	**	**	**	**				
Acrylonitrile		51	ug/Kg	U	**	**	**	**				
Allyl chloride		5	ug/Kg	U	**	**	**	**				
Benzene		5	ug/Kg	U		5		U				
Bromodichloromethane		5	ug/Kg	U		5		U				
Bromoform		5	ug/Kg	U		5		U				
Bromomethane		5	ug/Kg	U		10		U				
Carbon disulfide		5	ug/Kg	U		5		U				
Carbon tetrachloride		5	ug/Kg	U		5		U				
Chlorobenzene		5	ug/Kg	U		10		U				
Chloroethane		5	ug/Kg	U		10		U				
Chloroform		5	ug/Kg	U		5		U				
Chloromethane		5	ug/Kg	U		10		U				
Chloroprene		510	ug/Kg	U	**	**	**	**				
Dibromochloromethane		5	ug/Kg	U		5		U				
Dibromomethane		5	ug/Kg	U	**	**	**	**				
Dichlorodifluoromethane		5	ug/Kg	U	**	**	**	**				
Ethyl cyanide		51	ug/Kg	U	**	**	**	**				
Ethyl methacrylate		5	ug/Kg	U	**	**	**	**				
Ethylbenzene		5	ug/Kg	U		5		U				
Iodomethane		5	ug/Kg	U	**	**	**	**				
Isobutyl alcohol		510	ug/Kg	U	**	**	**	**				
Methacrylonitrile		51	ug/Kg	U	**	**	**	**				
Methylenechloride		41	ug/Kg	J		3		U				
Pentachloroethane		5	ug/Kg	U	**	**	**	**				
Styrene		5	ug/Kg	U		5		U				
Tetrachloroethene		5	ug/Kg	U		5		U				
Toluene		5	ug/Kg	U		5		U				
Trichloroethene		5	ug/Kg	U		5		U				
Trichloromonofluoromethane		5	ug/Kg	U	**	**	**	**				
Vinyl acetate		10	ug/Kg	U		5		U				
Vinyl chloride		5	ug/Kg	U		10		U				
Xylenes (total)		5	ug/Kg	U		5		U				
cis-1,3-Dichloropropene		5	ug/Kg	U		5		U				
trans-1,3-Dichloropropene		5	ug/Kg	U		5		U				
trans-1,4-dichloro-2-butene		5	ug/Kg	U	**	**	**	**				

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	BO7532	Result	Units	Qualifier	BO7533	Result	Units	Qualifier	BO7534	Result	Units	Qualifier
2,4-Dinitrophenol		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
2,4-Dinitrotoluene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
3,3'-Dichlorobenzidine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
3-Nitroaniline		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4,6-Dinitro-2-methylphenol		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Bromophenylphenyl ether		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
4-Chlorophenylphenyl ether		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
4-Nitroaniline		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Nitrophenol		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Acenaphthene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Anthracene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Benzo(a)anthracene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Benzo(a)pyrene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Benzo(b)fluoranthene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Benzo(ghi)perylene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Benzo(k)fluoranthene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Bis(2-ethylhexyl) phthalate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Butylbenzylphthalate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Chrysene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Di-n-butylphthalate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Di-n-octylphthalate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Dibenz[a,h]anthracene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Dibenzofuran		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Diethyl phthalate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Fluoranthene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Fluorene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Hexachlorobenzene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Indeno(1,2,3-cd)pyrene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
N-Nitrosodiphenylamine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Pentachlorophenol		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Phenanthrene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Pyrene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Pyridine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07535	Result	Units	Qualifier	B07536	Result	Units	Qualifier	B07537	Result	Units	Qualifier
2,4-Dinitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
2,4-Dinitrotoluene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
3,3'-Dichlorobenzidine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
3-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4,6-Dinitro-2-methylphenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Bromophenylphenyl ether		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
4-Chlorophenylphenyl ether		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
4-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Nitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Acenaphthene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Anthracene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Benzo(a)anthracene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Benzo(a)pyrene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Benzo(b)fluoranthene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Benzo(ghi)perylene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Benzo(k)fluoranthene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Bis(2-ethylhexyl) phthalate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Butylbenzylphthalate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Chrysene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Di-n-butylphthalate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Di-n-octylphthalate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Dibenz[a,h]anthracene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Dibenzofuran		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Diethyl phthalate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Fluoranthene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Fluorene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Hexachlorobenzene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Indeno(1,2,3-cd)pyrene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
N-Nitrosodiphenylamine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Pentachlorophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Phenanthrene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Pyrene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Pyridine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	BO7538	Result	Units	Qualifier	BO7539	Result	Units	Qualifier	BO7540	Result	Units	Qualifier
2,4-Dinitrophenol		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
2,4-Dinitrotoluene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
3,3'-Dichlorobenzidine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
3-Nitroaniline		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
4,6-Dinitro-2-methylphenol		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
4-Bromophenylphenyl ether		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
4-Chlorophenylphenyl ether		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
4-Nitroaniline		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
4-Nitrophenol		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
Acenaphthene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Anthracene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Benzo(a)anthracene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Benzo(a)pyrene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Benzo(b)fluoranthene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Benzo(ghi)perylene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Benzo(k)fluoranthene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Bis(2-ethylhexyl) phthalate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Butylbenzylphthalate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Chrysene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Di-n-butylphthalate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Di-n-octylphthalate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Dibenz[a,h]anthracene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Dibenzofuran		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Diethyl phthalate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Fluoranthene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Fluorene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Hexachlorobenzene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Indeno(1,2,3-cd)pyrene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
N-Nitrosodiphenylamine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Pentachlorophenol		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
Phenanthrene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Pyrene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Pyridine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	BO7541	Result	Units	Qualifier	BO7542	Result	Units	Qualifier	BO7543	Result	Units	Qualifier
2,4-Dinitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
2,4-Dinitrotoluene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
3,3'-Dichlorobenzidine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
3-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4,6-Dinitro-2-methylphenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Bromophenylphenyl ether		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
4-Chlorophenylphenyl ether		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
4-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Nitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Acenaphthene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Anthracene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Benzo(a)anthracene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Benzo(a)pyrene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Benzo(b)fluoranthene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Benzo(ghi)perylene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Benzo(k)fluoranthene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Bis(2-ethylhexyl) phthalate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Butylbenzylphthalate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Chrysene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Di-n-butylphthalate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Di-n-octylphthalate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Dibenz[a,h]anthracene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Dibenzofuran		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Diethyl phthalate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Fluoranthene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Fluorene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Hexachlorobenzene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Indeno(1,2,3-cd)pyrene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
N-Nitrosodiphenylamine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Pentachlorophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Phenanthrene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Pyrene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Pyridine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	BO7544	Result	Units	Qualifier	BO7545	Result	Units	Qualifier	BO7546	Result	Units	Qualifier
2,4-Dinitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
2,4-Dinitrotoluene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
3,3'-Dichlorobenzidine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
3-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4,6-Dinitro-2-methylphenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Bromophenylphenyl ether		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
4-Chlorophenylphenyl ether		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
4-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Nitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Acenaphthene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Anthracene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Benzo(a)anthracene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Benzo(a)pyrene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Benzo(b)fluoranthene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Benzo(ghi)perylene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Benzo(k)fluoranthene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Bis(2-ethylhexyl) phthalate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Butylbenzylphthalate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Chrysene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Di-n-butylphthalate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Di-n-octylphthalate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Dibenz[a,h]anthracene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Dibenzofuran		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Diethyl phthalate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Fluoranthene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Fluorene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Hexachlorobenzene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Indeno(1,2,3-cd)pyrene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
N-Nitrosodiphenylamine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Pentachlorophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Phenanthrene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Pyrene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Pyridine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07547	Result	Units	Qualifier	B07548	Result	Units	Qualifier	B07549	Result	Units	Qualifier
2,4-Dinitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
2,4-Dinitrotoluene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
3,3'-Dichlorobenzidine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
3-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4,6-Dinitro-2-methylphenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Bromophenylphenyl ether		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
4-Chlorophenylphenyl ether		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
4-Nitroaniline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
4-Nitrophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Acenaphthene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Anthracene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Benzo(a)anthracene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Benzo(a)pyrene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Benzo(b)fluoranthene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Benzo(ghi)perylene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Benzo(k)fluoranthene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Bis(2-ethylhexyl) phthalate		700	UG/KG	U		340	UG/KG	J		710	UG/KG	U
Butylbenzylphthalate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Chrysene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Di-n-butylphthalate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Di-n-octylphthalate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Dibenz[a,h]anthracene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Dibenzofuran		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Diethyl phthalate		700	UG/KG	U		820	UG/KG			710	UG/KG	U
Fluoranthene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Fluorene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Hexachlorobenzene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Indeno(1,2,3-cd)pyrene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
N-Nitrosodiphenylamine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Pentachlorophenol		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
Phenanthrene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Pyrene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Pyridine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07550	Result	Units	Qualifier	B07551	Result	Units	Qualifier	B07552	Result	Units	Qualifier
2,4-Dinitrophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
2,4-Dinitrotoluene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3,3'-Dichlorobenzidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3-Nitroaniline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4,6-Dinitro-2-methylphenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4-Bromophenylphenyl ether		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Chlorophenylphenyl ether		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Nitroaniline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4-Nitrophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
Acenaphthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Anthracene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(a)anthracene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(a)pyrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(b)fluoranthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(ghi)perylene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(k)fluoranthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Bis(2-ethylhexyl) phthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Butylbenzylphthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Chrysene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Di-n-butylphthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Di-n-octylphthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dibenz[a,h]anthracene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dibenzofuran		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diethyl phthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Fluoranthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Fluorene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Hexachlorobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Indeno(1,2,3-cd)pyrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosodiphenylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachlorophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
Phenanthrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pyrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pyridine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	BO7553	Result	Units	Qualifier	BO7554	Result	Units	Qualifier	BO7555	Result	Units	Qualifier
2,4-Dinitrophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
2,4-Dinitrotoluene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3,3'-Dichlorobenzidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3-Nitroaniline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4,6-Dinitro-2-methylphenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4-Bromophenylphenyl ether		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Chlorophenylphenyl ether		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Nitroaniline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4-Nitrophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
Acenaphthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Anthracene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(a)anthracene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(a)pyrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(b)fluoranthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(ghi)perylene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(k)fluoranthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Bis(2-ethylhexyl) phthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Butylbenzylphthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Chrysene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Di-n-butylphthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Di-n-octylphthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dibenz[a,h]anthracene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dibenzofuran		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diethyl phthalate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Fluoranthene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Fluorene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Hexachlorobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Indeno(1,2,3-cd)pyrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosodiphenylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachlorophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
Phenanthrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pyrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pyridine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07556	Result	Units	Qualifier	B07557	Result	Units	Qualifier	B07558	Result	Units	Qualifier
2,4-Dinitrophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
2,4-Dinitrotoluene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3,3'-Dichlorobenzidine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3-Nitroaniline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4,6-Dinitro-2-methylphenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4-Bromophenylphenyl ether		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Chlorophenylphenyl ether		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Nitroaniline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
4-Nitrophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
Acenaphthene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Anthracene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Benzo(a)anthracene		340	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Benzo(a)pyrene		420	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Benzo(b)fluoranthene		540	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Benzo(ghi)perylene		330	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Benzo(k)fluoranthene		460	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Bis(2-ethylhexyl) phthalate		670	UG/KG	U		660	UG/KG	U		200	UG/KG	J
Butylbenzylphthalate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Chrysene		590	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Di-n-butylphthalate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Di-n-octylphthalate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dibenz[a,h]anthracene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dibenzofuran		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diethyl phthalate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Fluoranthene		540	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Fluorene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Hexachlorobenzene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Indeno(1,2,3-cd)pyrene		290	UG/KG	J		660	UG/KG	U		660	UG/KG	U
N-Nitrosodiphenylamine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachlorophenol		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
Phenanthrene		330	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pyrene		500	UG/KG	J		660	UG/KG	U		660	UG/KG	U
Pyridine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07559	Result	Units	Qualifier	B07560	Result	Units	Qualifier
2,4-Dinitrophenol		1600	UG/KG	U		1600	UG/KG	UJ
2,4-Dinitrotoluene		670	UG/KG	U		670	UG/KG	UJ
3,3'-Dichlorobenzidine		670	UG/KG	U		670	UG/KG	UJ
3-Nitroaniline		1600	UG/KG	U		1600	UG/KG	UJ
4,6-Dinitro-2-methylphenol		1600	UG/KG	U		1600	UG/KG	UJ
4-Bromophenylphenyl ether		670	UG/KG	U		670	UG/KG	UJ
4-Chlorophenylphenyl ether		670	UG/KG	U		670	UG/KG	UJ
4-Nitroaniline		1600	UG/KG	U		1600	UG/KG	UJ
4-Nitrophenol		1600	UG/KG	U		1600	UG/KG	UJ
Acenaphthene		670	UG/KG	U		670	UG/KG	UJ
Anthracene		670	UG/KG	U		670	UG/KG	UJ
Benzo(a)anthracene		670	UG/KG	U		670	UG/KG	UJ
Benzo(a)pyrene		670	UG/KG	U		670	UG/KG	UJ
Benzo(b)fluoranthene		670	UG/KG	U		670	UG/KG	UJ
Benzo(ghi)perylene		670	UG/KG	U		670	UG/KG	UJ
Benzo(k)fluoranthene		670	UG/KG	U		670	UG/KG	UJ
Bis(2-ethylhexyl) phthalate		670	UG/KG	U		670	UG/KG	UJ
Butylbenzylphthalate		670	UG/KG	U		670	UG/KG	UJ
Chrysene		670	UG/KG	U		670	UG/KG	UJ
Di-n-butylphthalate		670	UG/KG	U		670	UG/KG	UJ
Di-n-octylphthalate		670	UG/KG	U		670	UG/KG	UJ
Dibenz[a,h]anthracene		670	UG/KG	U		670	UG/KG	UJ
Dibenzofuran		670	UG/KG	U		670	UG/KG	UJ
Diethyl phthalate		670	UG/KG	U		670	UG/KG	UJ
Fluoranthene		670	UG/KG	U		670	UG/KG	UJ
Fluorene		670	UG/KG	U		670	UG/KG	UJ
Hexachlorobenzene		670	UG/KG	U		670	UG/KG	UJ
Indeno(1,2,3-cd)pyrene		670	UG/KG	U		670	UG/KG	UJ
N-Nitrosodiphenylamine		670	UG/KG	U		670	UG/KG	UJ
Pentachlorophenol		1600	UG/KG	U		1600	UG/KG	UJ
Phenanthrene		670	UG/KG	U		670	UG/KG	UJ
Pyrene		670	UG/KG	U		670	UG/KG	UJ
Pyridine		670	UG/KG	U		670	UG/KG	UJ

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Costituent	B07562	Result	Units	Qualifier
2,4-Dinitrophenol		52000	UG/KG	U
2,4-Dinitrotoluene		21000	UG/KG	U
3,3'-Dichlorobenzidine		21000	UG/KG	U
3-Nitroaniline		52000	UG/KG	U
4,6-Dinitro-2-methylphenol		52000	UG/KG	U
4-Bromophenylphenyl ether		21000	UG/KG	U
4-Chlorophenylphenyl ether		21000	UG/KG	U
4-Nitroaniline		52000	UG/KG	U
4-Nitrophenol		52000	UG/KG	U
Acenaphthene		21000	UG/KG	U
Anthracene		21000	UG/KG	U
Benzo(a)anthracene		21000	UG/KG	U
Benzo(a)pyrene		21000	UG/KG	U
Benzo(b)fluoranthene		21000	UG/KG	U
Benzo(ghi)perylene		21000	UG/KG	U
Benzo(k)fluoranthene		21000	UG/KG	U
Bis(2-ethylhexyl) phthalate		21000	UG/KG	U
Butylbenzylphthalate		21000	UG/KG	U
Chrysene		21000	UG/KG	U
Di-n-butylphthalate		21000	UG/KG	U
Di-n-octylphthalate		21000	UG/KG	U
Dibenz[a,h]anthracene		21000	UG/KG	U
Dibenzofuran		21000	UG/KG	U
Diethyl phthalate		21000	UG/KG	U
Fluoranthene		21000	UG/KG	U
Fluorene		21000	UG/KG	U
Hexachlorobenzene		21000	UG/KG	U
Indeno(1,2,3-cd)pyrene		21000	UG/KG	U
N-Nitrosodiphenylamine		21000	UG/KG	U
Pentachlorophenol		21000	UG/KG	U
Phenanthrene		52000	UG/KG	U
Pyrene		21000	UG/KG	U
Pyridine		21000	UG/KG	U
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Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07532 Results	Units	Qualifier	B07533 Results	Units	Qualifier	B07534 Results	Units	Qualifier	B07535 Results	Units	Qualifier
1,2,4-Trichlorobenzene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
1,2-Dichlorobenzene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
1,3-Dichlorobenzene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
1,4-Dichlorobenzene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2,4,5-Trichlorophenol	1600	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
2,4,6-Trichlorophenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2,4-Dichlorophenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2,4-Dimethylphenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2,6-Dinitrotoluene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2-Chloronaphthalene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2-Chlorophenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2-Methylnaphthalene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2-Methylphenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
2-Nitroaniline	1600	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
2-Nitrophenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
4-chloroaniline	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
4-Chloro-3-Methylphenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
4-Methylphenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Acenaphthylene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Benzoic Acid	1600	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
Benzyl Alcohol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Bis(2-Chloroethoxy)methane	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Bis(2-Chloroethyl)ether	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Bis(2-Chloroisopropyl)ether	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Dimethylphthalate	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Hexachlorobutadiene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Hexachlorocyclopentadiene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Hexachloroethane	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Isophorone	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Naphthalene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Nitrobenzene	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
N-Nitroso-di-n-Propylamine	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U
Phenol	670	UG/KG	U	690	UG/KG	U	710	UG/KG	U	700	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07536 Results	Units	Qualifier	B07537 Results	Units	Qualifier	B07538 Results	Units	Qualifier	B07539 Results	Units	Qualifier
1,2,4-Trichlorobenzene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
1,2-Dichlorobenzene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
1,3-Dichlorobenzene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
1,4-Dichlorobenzene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2,4,5-Trichlorophenol	1700	UG/KG	U	1700	UG/KG	U	1800	UG/KG	U	1700	UG/KG	U
2,4,6-Trichlorophenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2,4-Dichlorophenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2,4-Dimethylphenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2,6-Dinitrotoluene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2-Chloronaphthalene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2-Chlorophenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2-Methylnaphthalene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2-Methylphenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
2-Nitroaniline	1700	UG/KG	U	1700	UG/KG	U	1800	UG/KG	U	1700	UG/KG	U
2-Nitrophenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
4-chloroaniline	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
4-Chloro-3-Methylphenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
4-Methylphenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Acenaphthylene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Benzoic Acid	1700	UG/KG	U	1700	UG/KG	U	1800	UG/KG	U	1700	UG/KG	U
Benzyl Alcohol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Bis(2-Chloroethoxy)methane	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Bis(2-Chloroethyl)ether	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Bis(2-Chloroisopropyl)ether	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Dimethylphthalate	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Hexachlorobutadiene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Hexachlorocyclopentadiene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Hexachloroethane	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Isophorone	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Naphthalene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Nitrobenzene	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
N-Nitroso-di-n-Propylamine	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U
Phenol	720	UG/KG	U	690	UG/KG	U	730	UG/KG	U	720	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07540 Results	Units	Qualifier	B07541 Results	Units	Qualifier	B07542 Results	Units	Qualifier	B07543 Results	Units	Qualifier
1,2,4-Trichlorobenzene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
1,2-Dichlorobenzene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
1,3-Dichlorobenzene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
1,4-Dichlorobenzene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2,4,5-Trichlorophenol	1600	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
2,4,6-Trichlorophenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2,4-Dichlorophenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2,4-Dimethylphenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2,6-Dinitrotoluene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2-Chloronaphthalene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2-Chlorophenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2-Methylnaphthalene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2-Methylphenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
2-Nitroaniline	1600	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
2-Nitrophenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
4-chloroaniline	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
4-Chloro-3-Methylphenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
4-Methylphenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Acenaphthylene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Benzoic Acid	1600	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
Benzyl Alcohol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Bis(2-Chloroethoxy)methane	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Bis(2-Chloroethyl)ether	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Bis(2-Chloroisopropyl)ether	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Dimethylphthalate	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Hexachlorobutadiene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Hexachlorocyclopentadiene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Hexachloroethane	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Isophorone	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Naphthalene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Nitrobenzene	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
N-Nitroso-di-n-Propylamine	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U
Phenol	660	UG/KG	U	700	UG/KG	U	700	UG/KG	U	710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07544 Results	Units	Qualifier	B07545 Results	Units	Qualifier	B07546 Results	Units	Qualifier	B07547 Results	Units	Qualifier
1,2,4-Trichlorobenzene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
1,2-Dichlorobenzene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
1,3-Dichlorobenzene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
1,4-Dichlorobenzene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2,4,5-Trichlorophenol	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
2,4,6-Trichlorophenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2,4-Dichlorophenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2,4-Dimethylphenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2,6-Dinitrotoluene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2-Chloronaphthalene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2-Chlorophenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2-Methylnaphthalene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2-Methylphenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
2-Nitroaniline	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
2-Nitrophenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
4-chloroaniline	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
4-Chloro-3-Methylphenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
4-Methylphenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Acenaphthylene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Benzoic Acid	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U	1700	UG/KG	U
Benzyl Alcohol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Bis(2-Chloroethoxy)methane	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Bis(2-Chloroethyl)ether	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Bis(2-Chloroisopropyl)ether	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Dimethylphthalate	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Hexachlorobutadiene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Hexachlorocyclopentadiene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Hexachloroethane	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Isophorone	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Naphthalene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Nitrobenzene	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
N-Nitroso-di-n-Propylamine	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U
Phenol	710	UG/KG	U	710	UG/KG	U	720	UG/KG	U	700	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07548 Results	Units	Qualifier	B07549 Results	Units	Qualifier	B07550 Results	Units	Qualifier	B07551 Results	Units	Qualifier
1,2,4-Trichlorobenzene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
1,2-Dichlorobenzene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
1,3-Dichlorobenzene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
1,4-Dichlorobenzene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,4,5-Trichlorophenol	1700	UG/KG	U	1700	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
2,4,6-Trichlorophenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,4-Dichlorophenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,4-Dimethylphenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,6-Dinitrotoluene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Chloronaphthalene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Chlorophenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Methylnaphthalene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Methylphenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Nitroaniline	1700	UG/KG	U	1700	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
2-Nitrophenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
4-chloroaniline	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
4-Chloro-3-Methylphenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
4-Methylphenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Acenaphthylene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Benzoic Acid	1700	UG/KG	U	1700	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
Benzyl Alcohol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Bis(2-Chloroethoxy)methane	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Bis(2-Chloroethyl)ether	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Bis(2-Chloroisopropyl)ether	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Dimethylphthalate	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Hexachlorobutadiene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Hexachlorocyclopentadiene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Hexachloroethane	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Isophorone	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Naphthalene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Nitrobenzene	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
N-Nitroso-di-n-Propylamine	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Phenol	720	UG/KG	U	710	UG/KG	U	660	UG/KG	U	660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07552 Results	Units	Qualifier	B07553 Results	Units	Qualifier	B07554 Results	Units	Qualifier	B07555 Results	Units	Qualifier
1,2,4-Trichlorobenzene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
1,2-Dichlorobenzene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
1,3-Dichlorobenzene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
1,4-Dichlorobenzene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,4,5-Trichlorophenol	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
2,4,6-Trichlorophenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,4-Dichlorophenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,4-Dimethylphenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2,6-Dinitrotoluene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Chloronaphthalene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Chlorophenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Methylnaphthalene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Methylphenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
2-Nitroaniline	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
2-Nitrophenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
4-chloroaniline	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
4-Chloro-3-Methylphenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
4-Methylphenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Acenaphthylene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Benzoic Acid	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
Benzyl Alcohol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Bis(2-Chloroethoxy)methane	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Bis(2-Chloroethyl)ether	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Bis(2-Chloroisopropyl)ether	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Dimethylphthalate	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Hexachlorobutadiene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Hexachlorocyclopentadiene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Hexachloroethane	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Isophorone	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Naphthalene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Nitrobenzene	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
N-Nitroso-di-n-Propylamine	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U
Phenol	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U	660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07556 Results	Units	Qualifier	B07557 Results	Units	Qualifier	B07558 Results	Units	Qualifier	B07562 Results	Units	Qualifier
1,2,4-Trichlorobenzene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
1,2-Dichlorobenzene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
1,3-Dichlorobenzene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
1,4-Dichlorobenzene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2,4,5-Trichlorophenol	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
2,4,6-Trichlorophenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2,4-Dichlorophenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2,4-Dimethylphenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2,6-Dinitrotoluene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2-Chloronaphthalene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2-Chlorophenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2-Methylnaphthalene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2-Methylphenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
2-Nitroaniline	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U
2-Nitrophenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
4-chloroaniline	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
4-Chloro-3-Methylphenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
4-Methylphenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Acenaphthylene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	1600	UG/KG	U
Benzoic Acid	1600	UG/KG	U	1600	UG/KG	U	1600	UG/KG	U	670	UG/KG	U
Benzyl Alcohol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Bis(2-Chloroethoxy)methane	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Bis(2-Chloroethyl)ether	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Bis(2-Chloroisopropyl)ether	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Dimethylphthalate	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Hexachlorobutadiene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Hexachlorocyclopentadiene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Hexachloroethane	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Isophorone	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Naphthalene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Nitrobenzene	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
N-Nitroso-di-n-Propylamine	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U
Phenol	670	UG/KG	U	660	UG/KG	U	660	UG/KG	U	670	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07560 Results	Units	Qualifier	B07562 Results	Units	Qualifier
1,2,4-Trichlorobenzene	670	UG/KG	UJ			
1,2-Dichlorobenzene	670	UG/KG	UJ			
1,3-Dichlorobenzene	670	UG/KG	UJ			
1,4-Dichlorobenzene	670	UG/KG	UJ			
2,4,5-Trichlorophenol	1600	UG/KG	UJ			
2,4,6-Trichlorophenol	670	UG/KG	UJ			
2,4-Dichlorophenol	670	UG/KG	UJ			
2,4-Dimethylphenol	670	UG/KG	UJ			
2,6-Dinitrotoluene	670	UG/KG	UJ			
2-Chloronaphthalene	670	UG/KG	UJ			
2-Chlorophenol	670	UG/KG	UJ			
2-Methylnaphthalene	670	UG/KG	UJ			
2-Methylphenol	670	UG/KG	UJ			
2-Nitroaniline	1600	UG/KG	UJ			
2-Nitrophenol	670	UG/KG	UJ			
4-chloroaniline	670	UG/KG	UJ			
4-Chloro-3-Methylphenol	670	UG/KG	UJ			
4-Methylphenol	670	UG/KG	UJ			
Acenaphthylene	670	UG/KG	UJ			
Benzoic Acid	1600	UG/KG	UJ			
Benzyl Alcohol	670	UG/KG	UJ			
Bis(2-Chloroethoxy)methane	670	UG/KG	UJ			
Bis(2-Chloroethyl)ether	670	UG/KG	UJ			
Bis(2-Chloroisopropyl)ether	670	UG/KG	UJ			
Dimethylphthalate	670	UG/KG	UJ			
Hexachlorobutadiene	670	UG/KG	UJ			
Hexachlorocyclopentadiene	670	UG/KG	UJ			
Hexachloroethane	670	UG/KG	UJ			
Isophorone	670	UG/KG	UJ			
Naphthalene	670	UG/KG	UJ			
Nitrobenzene	670	UG/KG	UJ			
N-Nitroso-di-n-Propylamine	670	UG/KG	UJ			
Phenol	670	UG/KG	UJ			

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07532	Results	Units	Qualifier	B07533	Results	Units	Qualifier	B07534	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
1,3,5-Trinitrobenzene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
1,3-Dinitrobenzene		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
1,4-Naphthoquinone		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
1,4-Phenylenediamine		6700	UG/KG	U		6900	UG/KG	U		7100	UG/KG	U
1-Naphthylamine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
2,3,4,6-Tetrachlorophenol		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
2,6-Dichlorophenol		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
2-Naphthylamine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
2-Picoline		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
5-Nitro-o-toluidine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
A,A-Dimethylphenethylamine		2700	UG/KG	U		2800	UG/KG	U		2900	UG/KG	U
Acetophenone		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Aniline		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Diphenylamine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Ethyl methanesulfonate		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Hexachloropropene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Isodrin		340	UG/KG	U		340	UG/KG	U		350	UG/KG	U
Isosafrole		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Methyl methacrylate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Methylmethanesulfonate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
N-Nitrosodiethylamine		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosodimethylamine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
N-Nitrosomethylethylamine		1600	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
N-Nitrosomorpholine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
N-Nitrosopiperidine		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosopyrrolidine		2700	UG/KG	U		2800	UG/KG	U		2900	UG/KG	U
N-Nitroso-di-n-butylamine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
O,O,O-Triethylphosphorothioa		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
O-Toluidine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Pentachlorobenzene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Phenacetin		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Safrole		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07535	Results	Units	Qualifier	B07536	Results	Units	Qualifier	B07537	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
1,3,5-Trinitrobenzene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
1,3-Dinitrobenzene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
1,4-Naphthoquinone		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
1,4-Phenylenediamine		7000	UG/KG	U		7200	UG/KG	U		6900	UG/KG	U
1-Naphthylamine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
2,3,4,6-Tetrachlorophenol		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
2,6-Dichlorophenol		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
2-Naphthylamine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
2-Picoline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
5-Nitro-o-toluidine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
A,A-Dimethylphenethylamine		2800	UG/KG	U		2900	UG/KG	U		2800	UG/KG	U
Acetophenone		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Aniline		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Diphenylamine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Ethyl methanesulfonate		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Hexachloropropene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Isodrin		350	UG/KG	U		360	UG/KG	U		340	UG/KG	U
Isosafrole		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Methyl methacrylate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Methylmethanesulfonate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
N-Nitrosodiethylamine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosodimethylamine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
N-Nitrosomethylethylamine		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
N-Nitrosomorpholine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
N-Nitrosopiperidine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosopyrrolidine		2800	UG/KG	U		2900	UG/KG	U		2800	UG/KG	U
N-Nitroso-di-n-butylamine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
O,O,O-Triethylphosphorothioa		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
O-Toluidine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Pentachlorobenzene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Phenacetin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Safrole		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07538	Results	Units	Qualifier	B07539	Results	Units	Qualifier	B70540	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
1,3,5-Trinitrobenzene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
1,3-Dinitrobenzene		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
1,4-Naphthoquinone		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
1,4-Phenylenediamine		7300	UG/KG	U		7200	UG/KG	U		6600	UG/KG	U
1-Naphthylamine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
2,3,4,6-Tetrachlorophenol		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
2,6-Dichlorophenol		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
2-Naphthylamine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
2-Picoline		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
5-Nitro-o-toluidine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
A,A-Dimethylphenethylamine		3000	UG/KG	U		2900	UG/KG	U		2700	UG/KG	U
Acetophenone		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Aniline		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Diphenylamine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Ethyl methanesulfonate		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
Hexachloropropene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Isodrin		360	UG/KG	U		360	UG/KG	U		330	UG/KG	U
Isosafrole		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Methyl methacrylate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Methylmethanesulfonate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
N-Nitrosodiethylamine		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
N-Nitrosodimethylamine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
N-Nitrosomethylethylamine		1800	UG/KG	U		1700	UG/KG	U		1600	UG/KG	U
N-Nitrosomorpholine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
N-Nitrosopiperidine		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
N-Nitrosopyrrolidine		3000	UG/KG	U		2900	UG/KG	U		2700	UG/KG	U
N-Nitroso-di-n-butylamine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
O,O,O-Triethylphosphorothioa		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
O-Toluidine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Pentachlorobenzene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Phenacetin		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
Safrole		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07541	Results	Units	Qualifier	B07542	Results	Units	Qualifier	B07543	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
1,3,5-Trinitrobenzene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
1,3-Dinitrobenzene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
1,4-Naphthoquinone		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
1,4-Phenylenediamine		7000	UG/KG	U		7000	UG/KG	U		7100	UG/KG	U
1-Naphthylamine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
2,3,4,6-Tetrachlorophenol		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
2,6-Dichlorophenol		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
2-Naphthylamine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
2-Picoline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
5-Nitro-o-toluidine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
A,A-Dimethylphenethylamine		2900	UG/KG	U		2900	UG/KG	U		2900	UG/KG	U
Acetophenone		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Aniline		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Diphenylamine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Ethyl methanesulfonate		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Hexachloropropene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Isodrin		350	UG/KG	U		350	UG/KG	U		350	UG/KG	U
Isosafrole		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Methyl methacrylate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Methylmethanesulfonate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
N-Nitrosodiethylamine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosodimethylamine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
N-Nitrosomethylethylamine		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
N-Nitrosomorpholine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
N-Nitrosopiperidine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosopyrrolidine		2900	UG/KG	U		2900	UG/KG	U		2900	UG/KG	U
N-Nitroso-di-n-butylamine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
O,O,O-Triethylphosphorothioa		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
O-Toluidine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Pentachlorobenzene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Phenacetin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Safrole		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07544	Results	Units	Qualifier	B07545	Results	Units	Qualifier	B07546	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
1,3,5-Trinitrobenzene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
1,3-Dinitrobenzene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
1,4-Naphthoquinone		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
1,4-Phenylenediamine		7100	UG/KG	U		7100	UG/KG	U		7200	UG/KG	U
1-Naphthylamine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
2,3,4,6-Tetrachlorophenol		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
2,6-Dichlorophenol		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
2-Naphthylamine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
2-Picoline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
5-Nitro-o-toluidine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
A,A-Dimethylphenethylamine		2900	UG/KG	U		2900	UG/KG	U		3000	UG/KG	U
Acetophenone		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Aniline		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Diphenylamine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Ethyl methanesulfonate		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Hexachloropropene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Isodrin		360	UG/KG	U		350	UG/KG	U		360	UG/KG	U
Isosafrole		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Methyl methacrylate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Methylmethanesulfonate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
N-Nitrosodiethylamine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosodimethylamine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
N-Nitrosomethylethylamine		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
N-Nitrosomorpholine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
N-Nitrosopiperidine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosopyrrolidine		2900	UG/KG	U		2900	UG/KG	U		3000	UG/KG	U
N-Nitroso-di-n-butylamine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
O,O,O-Triethylphosphorothioa		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
O-Toluidine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Pentachlorobenzene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Phenacetin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Safrole		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07547	Results	Units	Qualifier	B07548	Results	Units	Qualifier	B07549	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
1,3,5-Trinitrobenzene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
1,3-Dinitrobenzene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
1,4-Naphthoquinone		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
1,4-Phenylenediamine		7000	UG/KG	U		7200	UG/KG	U		7100	UG/KG	U
1-Naphthylamine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
2,3,4,6-Tetrachlorophenol		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
2,6-Dichlorophenol		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
2-Naphthylamine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
2-Picoline		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
5-Nitro-o-toluidine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
A,A-Dimethylphenethylamine		2900	UG/KG	U		2900	UG/KG	U		2900	UG/KG	U
Acetophenone		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Aniline		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Diphenylamine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Ethyl methanesulfonate		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Hexachloropropene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Isodrin		350	UG/KG	U		360	UG/KG	U		350	UG/KG	U
Isosafrole		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Methyl methacrylate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Methylmethanesulfonate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
N-Nitrosodiethylamine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosodimethylamine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
N-Nitrosomethylethylamine		1700	UG/KG	U		1700	UG/KG	U		1700	UG/KG	U
N-Nitrosomorpholine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
N-Nitrosopiperidine		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
N-Nitrosopyrrolidine		2900	UG/KG	U		2900	UG/KG	U		2900	UG/KG	U
N-Nitroso-di-n-butylamine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
O,O,O-Triethylphosphorothioa		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
O-Toluidine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Pentachlorobenzene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Phenacetin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Safrole		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07550	Results	Units	Qualifier	B07551	Results	Units	Qualifier	B07552	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,3,5-Trinitrobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,3-Dinitrobenzene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
1,4-Naphthoquinone		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,4-Phenylenediamine		6600	UG/KG	U		6600	UG/KG	U		6600	UG/KG	U
1-Naphthylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2,3,4,6-Tetrachlorophenol		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2,6-Dichlorophenol		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2-Naphthylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2-Picoline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
5-Nitro-o-toluidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
A,A-Dimethylphenethylamine		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
Acetophenone		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Aniline		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diphenylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Ethyl methanesulfonate		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Hexachloropropene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Isodrin		330	UG/KG	U		330	UG/KG	U		330	UG/KG	U
Isosafrole		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Methyl methacrylate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Methylmethanesulfonate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosodiethylamine		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
N-Nitrosodimethylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosomethylethylamine		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
N-Nitrosomorpholine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosopiperidine		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
N-Nitrosopyrrolidine		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
N-Nitroso-di-n-butylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
O,O,O-Triethylphosphorothioa		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
O-Toluidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachlorobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Phenacetin		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Safrole		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07553	Results	Units	Qualifier	B07554	Results	Units	Qualifier	B07555	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,3,5-Trinitrobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,3-Dinitrobenzene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
1,4-Naphthoquinone		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,4-Phenylenediamine		6600	UG/KG	U		6600	UG/KG	U		6600	UG/KG	U
1-Naphthylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2,3,4,6-Tetrachlorophenol		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2,6-Dichlorophenol		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2-Naphthylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2-Picoline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
5-Nitro-o-toluidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
A,A-Dimethylphenethylamine		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
Acetophenone		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Aniline		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diphenylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Ethyl methanesulfonate		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Hexachloropropene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Isodrin		330	UG/KG	U		330	UG/KG	U		330	UG/KG	U
Isosafrole		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Methyl methacrylate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Methylmethanesulfonate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosodiethylamine		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
N-Nitrosodimethylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosomethylethylamine		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
N-Nitrosomorpholine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosopiperidine		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
N-Nitrosopyrrolidine		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
N-Nitroso-di-n-butylamine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
O,O,O-Triethylphosphorothioa		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
O-Toluidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachlorobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Phenacetin		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Safrole		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07556	Results	Units	Qualifier	B07557	Results	Units	Qualifier	B07558	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,3,5-Trinitrobenzene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,3-Dinitrobenzene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
1,4-Naphthoquinone		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
1,4-Phenylenediamine		6700	UG/KG	U		6600	UG/KG	U		6600	UG/KG	U
1-Naphthylamine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2,3,4,6-Tetrachlorophenol		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2,6-Dichlorophenol		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2-Naphthylamine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
2-Picoline		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
5-Nitro-o-toluidine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
A,A-Dimethylphenethylamine		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
Acetophenone		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Aniline		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diphenylamine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Ethyl methanesulfonate		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Hexachloropropene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Isodrin		340	UG/KG	U		330	UG/KG	U		330	UG/KG	U
Isosafrole		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Methyl methacrylate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Methylmethanesulfonate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosodiethylamine		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
N-Nitrosodimethylamine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosomethylethylamine		1600	UG/KG	U		1600	UG/KG	U		1600	UG/KG	U
N-Nitrosomorpholine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
N-Nitrosopiperidine		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
N-Nitrosopyrrolidine		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
N-Nitroso-di-n-butylamine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
O,O,O-Triethylphosphorothioa		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
O-Toluidine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachlorobenzene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Phenacetin		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Safrole		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07559	Results	Units	Qualifier	B07560	Results	Units	Qualifier
1,2,4,5-Tetrachlorobenzene		670	UG/KG	U		670	UG/KG	J
1,3,5-Trinitrobenzene		670	UG/KG	U		670	UG/KG	J
1,3-Dinitrobenzene		1300	UG/KG	U		1300	UG/KG	J
1,4-Naphthoquinone		670	UG/KG	U		670	UG/KG	J
1,4-Phenylenediamine		6700	UG/KG	U		6700	UG/KG	J
1-Naphthylamine		670	UG/KG	U		670	UG/KG	J
2,3,4,6-Tetrachlorophenol		670	UG/KG	U		670	UG/KG	J
2,6-Dichlorophenol		670	UG/KG	U		670	UG/KG	J
2-Naphthylamine		670	UG/KG	U		670	UG/KG	J
2-Picoline		1600	UG/KG	U		1600	UG/KG	J
5-Nitro-o-toluidine		670	UG/KG	U		670	UG/KG	J
A,A-Dimethylphenethylamine		2700	UG/KG	U		2700	UG/KG	J
Acetophenone		670	UG/KG	U		670	UG/KG	J
Aniline		670	UG/KG	U		670	UG/KG	J
Diphenylamine		670	UG/KG	U		670	UG/KG	J
Ethyl methanesulfonate		1300	UG/KG	U		1300	UG/KG	J
Hexachloropropene		670	UG/KG	U		670	UG/KG	J
Isodrin		330	UG/KG	U		340	UG/KG	J
Isosafrole		670	UG/KG	U		670	UG/KG	J
Methyl methacrylate		670	UG/KG	U		670	UG/KG	J
Methylmethanesulfonate		670	UG/KG	U		670	UG/KG	J
N-Nitrosodiethylamine		1300	UG/KG	U		1300	UG/KG	J
N-Nitrosodimethylamine		670	UG/KG	U		670	UG/KG	J
N-Nitrosomethylethylamine		1600	UG/KG	U		1600	UG/KG	J
N-Nitrosomorpholine		670	UG/KG	U		670	UG/KG	J
N-Nitrosopiperidine		1300	UG/KG	U		1300	UG/KG	J
N-Nitrosopyrrolidine		2700	UG/KG	U		2700	UG/KG	J
N-Nitroso-di-n-butylamine		670	UG/KG	U		670	UG/KG	J
O,O,O-Triethylphosphorothioa		670	UG/KG	U		670	UG/KG	J
O-Toluidine		670	UG/KG	U		670	UG/KG	J
Pentachlorobenzene		670	UG/KG	U		670	UG/KG	J
Phenacetin		1300	UG/KG	U		1300	UG/KG	J
Safrole		670	UG/KG	U		670	UG/KG	J

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07532	Results	Units	Qualifier	B07533	Results	Units	Qualifier	B07534	Results	Units	Qualifier
2-Acetylaminofluorene		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
3,3'-Dimethylbenzidine		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
3-Methylcholanthrene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
4-Aminobiphenyl		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
4-Nitroquinoline-1-oxide		2700	UG/KG	U		2800	UG/KG	U		2900	UG/KG	U
7,12-Dimethylbenz(a)anthrace		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Aramite		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Chlorobenzilate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Diallate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Dimethoate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Dinoseb		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Disulfoton		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Hexachlorophene		6700	UG/KG	U		6900	UG/KG	U		7100	UG/KG	U
Methapyrilene		6800	UG/KG	U		7000	UG/KG	U		7200	UG/KG	U
Methyl Parathion		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Parathion		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Pentachloronitrobenezene		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Phorate		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Pronamide		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
P-(Dimethylamino)azobenzene		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Sulfotepp		670	UG/KG	U		690	UG/KG	U		710	UG/KG	U
Thionazin		1300	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07535	Results	Units	Qualifier	B07536	Results	Units	Qualifier	B07537	Results	Units	Qualifier
2-Acetylaminofluorene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
3,3'-Dimethylbenzidine		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
3-Methylcholanthrene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
4-Aminobiphenyl		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
4-Nitroquinoline-1-oxide		2800	UG/KG	U		2900	UG/KG	U		2800	UG/KG	U
7,12-Dimethylbenz(a)anthrace		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Aramite		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Chlorobenzilate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Diallate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Dimethoate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Dinoseb		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Disulfoton		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Hexachlorophene		7000	UG/KG	U		7200	UG/KG	U		6900	UG/KG	U
Methapyrilene		7100	UG/KG	U		7300	UG/KG	U		7000	UG/KG	U
Methyl Parathion		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Parathion		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Pentachloronitrobenezene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Phorate		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Pronamide		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
P-(Dimethylamino)azobenzene		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Sulfotepp		700	UG/KG	U		720	UG/KG	U		690	UG/KG	U
Thionazin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07358	Results	Units	Qualifier	B07539	Results	Units	Qualifier	B07540	Results	Units	Qualifier
2-Acetylaminofluorene		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
3,3'-Dimethylbenzidine		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
3-Methylcholanthrene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
4-Aminobiphenyl		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
4-Nitroquinoline-1-oxide		3000	UG/KG	U		2900	UG/KG	U		2700	UG/KG	U
7,12-Dimethylbenz(a)anthrace		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Aramite		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
Chlorobenzilate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Diallate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Dimethoate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Dinoseb		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
Disulfoton		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Hexachlorophene		7300	UG/KG	U		7200	UG/KG	U		6600	UG/KG	U
Methapyrilene		7400	UG/KG	U		7300	UG/KG	U		6700	UG/KG	U
Methyl Parathion		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Parathion		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Pentachloronitrobenezene		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U
Phorate		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Pronamide		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
P-(Dimethylamino)azobenzene		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Sulfotepp		730	UG/KG	U		720	UG/KG	U		660	UG/KG	U
Thionazin		1400	UG/KG	U		1400	UG/KG	U		1300	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07541	Results	Units	Qualifier	B07542	Results	Units	Qualifier	B07543	Results	Units	Qualifier
2-Acetylaminofluorene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
3,3'-Dimethylbenzidine		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
3-Methylcholanthrene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
4-Aminobiphenyl		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
4-Nitroquinoline-1-oxide		2900	UG/KG	U		2900	UG/KG	U		2900	UG/KG	U
7,12-Dimethylbenz(a)anthrace		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Aramite		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Chlorobenzilate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Diallate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Dimethoate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Dinoseb		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Disulfoton		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Hexachlorophene		7000	UG/KG	U		7000	UG/KG	U		7100	UG/KG	U
Methapyrilene		7100	UG/KG	U		7100	UG/KG	U		7200	UG/KG	U
Methyl Parathion		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Parathion		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Pentachloronitrobenezene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Phorate		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Pronamide		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
P-(Dimethylamino)azobenzene		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Sulfotepp		700	UG/KG	U		700	UG/KG	U		710	UG/KG	U
Thionazin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07544	Results	Units	Qualifier	B07545	Results	Units	Qualifier	B07546	Results	Units	Qualifier
2-Acetylaminofluorene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
3,3'-Dimethylbenzidine		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
3-Methylcholanthrene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
4-Aminobiphenyl		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
4-Nitroquinoline-1-oxide		2900	UG/KG	U		2900	UG/KG	U		3000	UG/KG	U
7,12-Dimethylbenz(a)anthrace		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Aramite		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Chlorobenzilate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Diallate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Dimethoate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Dinoseb		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Disulfoton		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Hexachlorophene		7100	UG/KG	U		7100	UG/KG	U		7200	UG/KG	U
Methapyrilene		7200	UG/KG	U		7200	UG/KG	U		7300	UG/KG	U
Methyl Parathion		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Parathion		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Pentachloronitrobenezene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Phorate		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Pronamide		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
P-(Dimethylamino)azobenzene		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Sulfotepp		710	UG/KG	U		710	UG/KG	U		720	UG/KG	U
Thionazin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07547	Results	Units	Qualifier	B07548	Results	Units	Qualifier	B07549	Results	Units	Qualifier
2-Acetylaminofluorene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
3,3'-Dimethylbenzidine		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
3-Methylcholanthrene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
4-Aminobiphenyl		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
4-Nitroquinoline-1-oxide		2900	UG/KG	U		2900	UG/KG	U		2900	UG/KG	U
7,12-Dimethylbenz(a)anthrace		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Aramite		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Chlorobenzilate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Diallate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Dimethoate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Dinoseb		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Disulfoton		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Hexachlorophene		7000	UG/KG	U		7200	UG/KG	U		7100	UG/KG	U
Methapyrilene		7100	UG/KG	U		7300	UG/KG	U		7200	UG/KG	U
Methyl Parathion		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Parathion		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Pentachloronitrobenezene		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U
Phorate		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Pronamide		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
P-(Dimethylamino)azobenzene		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Sulfotepp		700	UG/KG	U		720	UG/KG	U		710	UG/KG	U
Thionazin		1400	UG/KG	U		1400	UG/KG	U		1400	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07550	Results	Units	Qualifier	B07551	Results	Units	Qualifier	B07552	Results	Units	Qualifier
2-Acetylaminofluorene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
3,3'-Dimethylbenzidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3-Methylcholanthrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Aminobiphenyl		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
4-Nitroquinoline-1--oxide		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
7,12-Dimethylbenz(a)anthrace		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Aramite		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Chlorobenzilate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diallate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dimethoate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dinoseb		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Disulfoton		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Hexachlorophene		6600	UG/KG	U		6600	UG/KG	U		6600	UG/KG	U
Methapyrilene		6700	UG/KG	U		6700	UG/KG	U		6700	UG/KG	U
Methyl Parathion		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Parathion		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachloronitrobenezene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Phorate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pronamide		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
P-(Dimethylamino)azobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Sulfotepp		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Thionazin		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical
Results for the 2727-S NRDWS Facility

Constituent	B07553	Results	Units	Qualifier	B07554	Results	Units	Qualifier	B07555	Results	Units	Qualifier
2-Acetylaminofluorene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
3,3'-Dimethylbenzidine		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3-Methylcholanthrene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Aminobiphenyl		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
4-Nitroquinoline-1-oxide		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
7,12-Dimethylbenz(a)anthrace		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Aramite		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Chlorobenzilate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diallate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dimethoate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dinoseb		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Disulfoton		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Hexachlorophene		6600	UG/KG	U		6600	UG/KG	U		6600	UG/KG	U
Methapyrilene		6700	UG/KG	U		6800	UG/KG	U		6800	UG/KG	U
Methyl Parathion		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Parathion		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachloronitrobenezene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Phorate		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pronamide		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
P-(Dimethylamino)azobenzene		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Sulfotepp		660	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Thionazin		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07556	Results	Units	Qualifier	B07557	Results	Units	Qualifier	B07558	Results	Units	Qualifier
2-Acetylaminofluorene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
3,3'-Dimethylbenzidine		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
3-Methylcholanthrene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
4-Aminobiphenyl		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
4-Nitroquinoline-1-oxide		2700	UG/KG	U		2700	UG/KG	U		2700	UG/KG	U
7,12-Dimethylbenz(a)anthrace		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Aramite		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Chlorobenzilate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Diallate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dimethoate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Dinoseb		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Disulfoton		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Hexachlorophene		6700	UG/KG	U		6600	UG/KG	U		6600	UG/KG	U
Methapyrilene		6800	UG/KG	U		6700	UG/KG	U		6700	UG/KG	U
Methyl Parathion		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Parathion		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pentachloronitrobenezene		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U
Phorate		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Pronamide		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
P-(Dimethylamino)azobenzene		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Sulfotepp		670	UG/KG	U		660	UG/KG	U		660	UG/KG	U
Thionazin		1300	UG/KG	U		1300	UG/KG	U		1300	UG/KG	U

Summary of Semi-Volatile Organic Compound Analytical Results for the 2727-S NRDWS Facility

Constituent	B07559	Results	Units	Qualifier	B07560	Results	Units	Qualifier
2-Acetylaminofluorene		1300	UG/KG	U		1300	UG/KG	J
3,3'-Dimethylbenzidine		670	UG/KG	U		670	UG/KG	J
3-Methylcholanthrene		670	UG/KG	U		670	UG/KG	J
4-Aminobiphenyl		1300	UG/KG	U		1300	UG/KG	J
4-Nitroquinoline-1-oxide		2700	UG/KG	U		2700	UG/KG	J
7,12-Dimethylbenz(a)anthrace		670	UG/KG	U		670	UG/KG	J
Aramite		1300	UG/KG	U		1300	UG/KG	J
Chlorobenzilate		670	UG/KG	U		670	UG/KG	J
Diallate		670	UG/KG	U		670	UG/KG	J
Dimethoate		670	UG/KG	U		670	UG/KG	J
Dinoseb		1300	UG/KG	U		1300	UG/KG	J
Disulfoton		670	UG/KG	U		670	UG/KG	J
Hexachlorophene		6700	UG/KG	U		6700	UG/KG	J
Methapyrilene		6800	UG/KG	U		6800	UG/KG	J
Methyl Parathion		670	UG/KG	U		670	UG/KG	J
Parathion		670	UG/KG	U		670	UG/KG	J
Pentachloronitrobenezene		1300	UG/KG	U		1300	UG/KG	J
Phorate		670	UG/KG	U		670	UG/KG	J
Pronamide		670	UG/KG	U		670	UG/KG	J
P-(Dimethylamino)azobenzene		670	UG/KG	U		670	UG/KG	J
Sulfotepp		670	UG/KG	U		670	UG/KG	J
Thionazin		1300	UG/KG	U		1300	UG/KG	J

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7532	Result	Units	Qualifier	BO7533	Result	Units	Qualifier	BO7534	Result	Units	Qualifier
1	4,4'-DDD		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	4,4'-DDE		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	4,4'-DDT		4.61	UG/KG	J		3.42	UG/KG	U		3.57	UG/KG	U
1	Aldrin		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Alpha-BHC		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Alpha-Chlordane		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Beta-BHC		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Chlorobenzilate		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Delta-BHC		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Dieldrin		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Endosulfan I		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Endosulfan II		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Endosulfan sulfate		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Endrin		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Endrin Aldehyde		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Endrin ketone		3.33	UG/KG	U		3.42	UG/KG	U		3.57	UG/KG	U
1	Gamma-BHC (Lindane)		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Gamma-Chlordane		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Heptachlor		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Heptachlor epoxide		1.72	UG/KG	U		1.76	UG/KG	U		1.84	UG/KG	U
1	Kepone		17.2	UG/KG	U		17.6	UG/KG	U		18.4	UG/KG	U
1	Methoxychlor		17.2	UG/KG	U		17.6	UG/KG	U		18.4	UG/KG	U
1	Toxaphene		172	UG/KG	U		176	UG/KG	U		184	UG/KG	U
2	Aroclor-1016		33.3	UG/KG	U		34.2	UG/KG	U		35.7	UG/KG	U
2	Aroclor-1221		67.7	UG/KG	U		69.4	UG/KG	U		72.4	UG/KG	U
2	Aroclor-1232		33.3	UG/KG	U		34.2	UG/KG	U		35.7	UG/KG	U
2	Aroclor-1242		33.3	UG/KG	U		34.2	UG/KG	U		35.7	UG/KG	U
2	Aroclor-1248		33.3	UG/KG	U		34.2	UG/KG	U		35.7	UG/KG	U
2	Aroclor-1254		33.3	UG/KG	U		34.2	UG/KG	U		35.7	UG/KG	U
2	Aroclor-1260		33.3	UG/KG	U		34.2	UG/KG	U		35.7	UG/KG	U
3	2,4,5-T		25.3	UG/KG	U		25.7	UG/KG	U		85.9	UG/KG	
3	2,4,5-TP		25.3	UG/KG	U		25.7	UG/KG	U		26.4	UG/KG	U
3	2,4-Dichlorophenoxy		50.6	UG/KG	U		51.4	UG/KG	U		52.8	UG/KG	U
4	21646-99-1		10	UG/KG	UJ		10.4	UG/KG	UJ		10.7	UG/KG	UJ
4	Dimethoate		10	UG/KG	UJ		10.4	UG/KG	UJ		10.7	UG/KG	UJ
4	Disulfoton		10	UG/KG	UJ		10.4	UG/KG	UJ		10.7	UG/KG	UJ
4	Parathion methyl		20.1	UG/KG	UJ		20.8	UG/KG	UJ		21.5	UG/KG	UJ
4	Phorate		10	UG/KG	UJ		10.4	UG/KG	UJ		10.7	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7535	Result	Units	Qualifier	BO7536	Result	Units	Qualifier	BO7537	Result	Units	Qualifier
1	4,4'-DDD		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	4,4'-DDE		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	4,4'-DDT		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Aldrin		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Alpha-BHC		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Alpha-Chlordane		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Beta-BHC		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Chlorobenzilate		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Delta-BHC		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Dieldrin		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Endosulfan I		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Endosulfan II		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Endosulfan sulfate		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Endrin		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Endrin Aldehyde		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Endrin ketone		3.43	UG/KG	U		3.61	UG/KG	U		3.47	UG/KG	U
1	Gamma-BHC (Lindane)		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Gamma-Chlordane		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Heptachlor		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Heptachlor epoxide		1.77	UG/KG	U		1.86	UG/KG	U		1.79	UG/KG	U
1	Kepone		17.7	UG/KG	U		18.6	UG/KG	U		17.9	UG/KG	U
1	Methoxychlor		75.3	UG/KG	U		18.6	UG/KG	U		17.9	UG/KG	U
1	Toxaphene		177	UG/KG	U		186	UG/KG	U		179	UG/KG	U
2	Aroclor-1016		34.3	UG/KG	U		36.1	UG/KG	U		34.7	UG/KG	U
2	Aroclor-1221		69.6	UG/KG	U		73.4	UG/KG	U		70.4	UG/KG	U
2	Aroclor-1232		34.3	UG/KG	U		36.1	UG/KG	U		34.7	UG/KG	U
2	Aroclor-1242		34.3	UG/KG	U		36.1	UG/KG	U		34.7	UG/KG	U
2	Aroclor-1248		34.3	UG/KG	U		36.1	UG/KG	U		34.7	UG/KG	U
2	Aroclor-1254		34.3	UG/KG	U		36.1	UG/KG	U		34.7	UG/KG	U
2	Aroclor-1260		34.3	UG/KG	U		36.1	UG/KG	U		34.7	UG/KG	U
3	2,4,5-T		25.8	UG/KG	U		27	UG/KG	U		25.7	UG/KG	U
3	2,4,5-TP		25.8	UG/KG	U		143	UG/KG			37.4	UG/KG	
3	2,4-Dichlorophenoxy		51.5	UG/KG	U		53.9	UG/KG	U		51.4	UG/KG	U
4	21646-99-1		10.6	UG/KG	UJ		10.9	UG/KG	UJ		10.3	UG/KG	UJ
4	Dimethoate		10.6	UG/KG	UJ		10.9	UG/KG	UJ		10.3	UG/KG	UJ
4	Disulfoton		10.6	UG/KG	UJ		10.9	UG/KG	UJ		10.3	UG/KG	UJ
4	Parathion methyl		21.1	UG/KG	UJ		21.8	UG/KG	UJ		20.5	UG/KG	UJ
4	Phorate		10.6	UG/KG	UJ		10.9	UG/KG	UJ		10.3	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7538	Result	Units	Qualifier	BO7539	Result	Units	Qualifier	BO7540	Result	Units	Qualifier
1	4,4'-DDD		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	4,4'-DDE		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	4,4'-DDT		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Aldrin		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Alpha-BHC		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Alpha-Chlordane		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Beta-BHC		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Chlorobenzilate		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Delta-BHC		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Dieldrin		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Endosulfan I		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Endosulfan II		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Endosulfan sulfate		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Endrin		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Endrin Aldehyde		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Endrin ketone		3.68	UG/KG	U		3.61	UG/KG	U		3.32	UG/KG	U
1	Gamma-BHC (Lindane)		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Gamma-Chlordane		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Heptachlor		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Heptachlor epoxide		1.89	UG/KG	U		1.86	UG/KG	U		1.71	UG/KG	U
1	Kepone		18.9	UG/KG	U		18.6	UG/KG	U		17.1	UG/KG	U
1	Methoxychlor		18.9	UG/KG	U		18.6	UG/KG	U		17.1	UG/KG	U
1	Toxaphene		189	UG/KG	U		186	UG/KG	U		171	UG/KG	U
2	Aroclor-1016		36.8	UG/KG	U		36.1	UG/KG	U		33.2	UG/KG	U
2	Aroclor-1221		74.6	UG/KG	U		73.4	UG/KG	U		67.5	UG/KG	U
2	Aroclor-1232		36.8	UG/KG	U		36.1	UG/KG	U		33.2	UG/KG	U
2	Aroclor-1242		36.8	UG/KG	U		36.1	UG/KG	U		33.2	UG/KG	U
2	Aroclor-1248		36.8	UG/KG	U		36.1	UG/KG	U		33.2	UG/KG	U
2	Aroclor-1254		36.8	UG/KG	U		36.1	UG/KG	U		33.2	UG/KG	U
2	Aroclor-1260		36.8	UG/KG	U		36.1	UG/KG	U		33.2	UG/KG	U
3	2,4,5-T		27.6	UG/KG	U		61.9	UG/KG			24.6	UG/KG	U
3	2,4,5-TP		27.6	UG/KG	U		27.3	UG/KG	U		24.6	UG/KG	U
3	2,4-Dichlorophenoxy		55.2	UG/KG	U		54.6	UG/KG	U		49.2	UG/KG	U
4	21646-99-1		11	UG/KG	UJ		10.8	UG/KG	UJ		9.98	UG/KG	UJ
4	Dimethoate		11	UG/KG	UJ		10.8	UG/KG	UJ		9.98	UG/KG	UJ
4	Disulfoton		11	UG/KG	UJ		10.8	UG/KG	UJ		9.98	UG/KG	UJ
4	Parathion methyl		22.1	UG/KG	UJ		21.6	UG/KG	UJ		20	UG/KG	UJ
4	Phorate		11	UG/KG	UJ		10.8	UG/KG	UJ		9.98	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7541	Result	Units	Qualifier	BO7542	Result	Units	Qualifier	BO7543	Result	Units	Qualifier
1	4,4'-DDD		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	4,4'-DDE		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	4,4'-DDT		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Aldrin		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Alpha-BHC		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Alpha-Chlordane		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Beta-BHC		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Chlorobenzilate		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Delta-BHC		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Dieldrin		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Endosulfan I		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Endosulfan II		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Endosulfan sulfate		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Endrin		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Endrin Aldehyde		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Endrin ketone		3.5	UG/KG	U		3.53	UG/KG	R		3.59	UG/KG	U
1	Gamma-BHC (Lindane)		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Gamma-Chlordane		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Heptachlor		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Heptachlor epoxide		1.8	UG/KG	U		1.82	UG/KG	R		1.85	UG/KG	U
1	Kepone		18	UG/KG	U		18.2	UG/KG	R		18.5	UG/KG	U
1	Methoxychlor		23.2	UG/KG	U		18.2	UG/KG	R		18.5	UG/KG	U
1	Toxaphene		180	UG/KG	U		182	UG/KG	R		185	UG/KG	U
2	Aroclor-1016		35	UG/KG	U		35.3	UG/KG	R		35.9	UG/KG	U
2	Aroclor-1221		71	UG/KG	U		71.8	UG/KG	R		72.9	UG/KG	U
2	Aroclor-1232		35	UG/KG	U		35.3	UG/KG	R		35.9	UG/KG	U
2	Aroclor-1242		35	UG/KG	U		35.3	UG/KG	R		35.9	UG/KG	U
2	Aroclor-1248		35	UG/KG	U		35.3	UG/KG	R		35.9	UG/KG	U
2	Aroclor-1254		35	UG/KG	U		35.3	UG/KG	R		35.9	UG/KG	U
2	Aroclor-1260		35	UG/KG	U		35.3	UG/KG	R		35.9	UG/KG	U
3	2,4,5-T		26.5	UG/KG	U		26.4	UG/KG	U		26.5	UG/KG	U
3	2,4,5-TP		26.5	UG/KG	U		26.4	UG/KG	U		26.5	UG/KG	U
3	2,4-Dichlorophenoxy		53	UG/KG	U		52.8	UG/KG	U		53	UG/KG	U
4	21646-99-1		10.6	UG/KG	UJ		10.6	UG/KG	UJ		10.8	UG/KG	UJ
4	Dimethoate		10.6	UG/KG	UJ		10.6	UG/KG	UJ		10.8	UG/KG	UJ
4	Disulfoton		10.6	UG/KG	UJ		10.6	UG/KG	UJ		10.8	UG/KG	UJ
4	Parathion methyl		21.3	UG/KG	UJ		21.2	UG/KG	UJ		21.5	UG/KG	UJ
4	Phorate		10.6	UG/KG	UJ		10.6	UG/KG	UJ		10.8	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7544	Result	Units	Qualifier	BO7545	Result	Units	Qualifier	BO7546	Result	Units	Qualifier
1	4,4'-DDD		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	4,4'-DDE		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	4,4'-DDT		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Aldrin		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Alpha-BHC		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Alpha-Chlordane		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Beta-BHC		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Chlorobenzilate		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Delta-BHC		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Dieldrin		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Endosulfan I		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Endosulfan II		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Endosulfan sulfate		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Endrin		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Endrin Aldehyde		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Endrin ketone		3.55	UG/KG	U		3.5	UG/KG	U		3.62	UG/KG	U
1	Gamma-BHC (Lindane)		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Gamma-Chlordane		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Heptachlor		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Heptachlor epoxide		1.83	UG/KG	U		1.8	UG/KG	U		1.86	UG/KG	U
1	Kepone		18.3	UG/KG	U		18	UG/KG	U		18.6	UG/KG	U
1	Methoxychlor		18.3	UG/KG	U		18	UG/KG	U		18.6	UG/KG	U
1	Toxaphene		183	UG/KG	U		180	UG/KG	U		186	UG/KG	U
2	Aroclor-1016		35.5	UG/KG	U		35	UG/KG	U		36.2	UG/KG	U
2	Aroclor-1221		72.2	UG/KG	U		71	UG/KG	U		73.5	UG/KG	U
2	Aroclor-1232		35.5	UG/KG	U		35	UG/KG	U		36.2	UG/KG	U
2	Aroclor-1242		35.5	UG/KG	U		35	UG/KG	U		36.2	UG/KG	U
2	Aroclor-1248		35.5	UG/KG	U		35	UG/KG	U		36.2	UG/KG	U
2	Aroclor-1254		35.5	UG/KG	U		35	UG/KG	U		36.2	UG/KG	U
2	Aroclor-1260		35.5	UG/KG	U		35	UG/KG	U		36.2	UG/KG	U
3	2,4,5-T		26.8	UG/KG	U		26.6	UG/KG	U		27.1	UG/KG	U
3	2,4,5-TP		26.8	UG/KG	U		26.6	UG/KG	U		27.1	UG/KG	U
3	2,4-Dichlorophenoxy		53.6	UG/KG	U		53.2	UG/KG	U		54.1	UG/KG	U
4	21646-99-1		10.8	UG/KG	UJ		10.7	UG/KG	UJ		10.9	UG/KG	UJ
4	Dimethoate		10.8	UG/KG	UJ		10.7	UG/KG	UJ		10.9	UG/KG	UJ
4	Disulfoton		10.8	UG/KG	UJ		10.7	UG/KG	UJ		10.9	UG/KG	UJ
4	Parathion methyl		21.6	UG/KG	UJ		21.4	UG/KG	UJ		21.8	UG/KG	UJ
4	Phorate		10.8	UG/KG	UJ		10.7	UG/KG	UJ		10.9	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7547	Result	Units	Qualifier	BO7548	Result	Units	Qualifier	BO7549	Result	Units	Qualifier
1	4,4'-DDD		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	4,4'-DDE		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	4,4'-DDT		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Aldrin		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Alpha-BHC		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Alpha-Chlordane		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Beta-BHC		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Chlorobenzilate		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Delta-BHC		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Dieldrin		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Endosulfan I		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Endosulfan II		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Endosulfan sulfate		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Endrin		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Endrin Aldehyde		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Endrin ketone		3.54	UG/KG	U		3.55	UG/KG	U		3.56	UG/KG	U
1	Gamma-BHC (Lindane)		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Gamma-Chlordane		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Heptachlor		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Heptachlor epoxide		1.82	UG/KG	U		1.83	UG/KG	U		1.83	UG/KG	U
1	Kepone		18.2	UG/KG	U		18.3	UG/KG	U		18.3	UG/KG	U
1	Methoxychlor		18.2	UG/KG	U		20.5	UG/KG	U		18.3	UG/KG	U
1	Toxaphene		182	UG/KG	U		183	UG/KG	U		183	UG/KG	U
2	Aroclor-1016		35.4	UG/KG	U		35.5	UG/KG	U		35.6	UG/KG	U
2	Aroclor-1221		71.8	UG/KG	U		72.1	UG/KG	U		72.3	UG/KG	U
2	Aroclor-1232		35.4	UG/KG	U		35.5	UG/KG	U		35.6	UG/KG	U
2	Aroclor-1242		35.4	UG/KG	U		35.5	UG/KG	U		35.6	UG/KG	U
2	Aroclor-1248		35.4	UG/KG	U		35.5	UG/KG	U		35.6	UG/KG	U
2	Aroclor-1254		35.4	UG/KG	U		35.5	UG/KG	U		35.6	UG/KG	U
2	Aroclor-1260		35.4	UG/KG	U		35.5	UG/KG	U		35.6	UG/KG	U
3	2,4,5-T		26.1	UG/KG	U		26.9	UG/KG	U		42.6	UG/KG	
3	2,4,5-TP		26.1	UG/KG	U		26.9	UG/KG	U		48.4	UG/KG	
3	2,4-Dichlorophenoxy		52.2	UG/KG	U		53.7	UG/KG	U		53.1	UG/KG	U
4	21646-99-1		10.7	UG/KG	UJ		10.9	UG/KG	UJ		10.6	UG/KG	UJ
4	Dimethoate		10.7	UG/KG	UJ		10.9	UG/KG	UJ		10.6	UG/KG	UJ
4	Disulfoton		10.7	UG/KG	UJ		10.9	UG/KG	UJ		10.6	UG/KG	UJ
4	Parathion methyl		21.4	UG/KG	UJ		21.8	UG/KG	UJ		21.2	UG/KG	UJ
4	Phorate		10.7	UG/KG	UJ		10.9	UG/KG	UJ		10.6	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7550	Result	Units	Qualifier	BO7551	Result	Units	Qualifier	BO7552	Result	Units	Qualifier
1	4,4'-DDD		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	4,4'-DDE		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	4,4'-DDT		5.26	UG/KG	PJ		6.34	UG/KG	PJ		8.26	UG/KG	PJ
1	Aldrin		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Alpha-BHC		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Alpha-Chlordane		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Beta-BHC		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Chlorobenzilate		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Delta-BHC		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Dieldrin		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Endosulfan I		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Endosulfan II		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Endosulfan sulfate		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Endrin		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Endrin Aldehyde		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Endrin ketone		3.29	UG/KG	U		3.31	UG/KG	U		3.36	UG/KG	U
1	Gamma-BHC (Lindane)		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Gamma-Chlordane		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Heptachlor		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Heptachlor epoxide		1.7	UG/KG	U		1.71	UG/KG	U		1.73	UG/KG	U
1	Kepone		17	UG/KG	U		17.1	UG/KG	U		17.3	UG/KG	U
1	Methoxychlor		17	UG/KG	U		17.1	UG/KG	U		17.3	UG/KG	U
1	Toxaphene		170	UG/KG	U		171	UG/KG	U		173	UG/KG	U
2	Aroclor-1016		32.9	UG/KG	U		33.1	UG/KG	U		33.6	UG/KG	U
2	Aroclor-1221		66.9	UG/KG	U		67.2	UG/KG	U		68.2	UG/KG	U
2	Aroclor-1232		32.9	UG/KG	U		33.1	UG/KG	U		33.6	UG/KG	U
2	Aroclor-1242		32.9	UG/KG	U		33.1	UG/KG	U		33.6	UG/KG	U
2	Aroclor-1248		32.9	UG/KG	U		33.1	UG/KG	U		33.6	UG/KG	U
2	Aroclor-1254		32.9	UG/KG	U		33.1	UG/KG	U		33.6	UG/KG	U
2	Aroclor-1260		32.9	UG/KG	U		33.1	UG/KG	U		33.6	UG/KG	U
3	2,4,5-T		24.6	UG/KG	U		24.7	UG/KG	U		24.3	UG/KG	U
3	2,4,5-TP		270	UG/KG			24.7	UG/KG	U		24.3	UG/KG	U
3	2,4-Dichlorophenoxy		182	UG/KG			49.4	UG/KG	U		48.5	UG/KG	U
4	21646-99-1		9.97	UG/KG	UJ		9.98	UG/KG	UJ		10	UG/KG	UJ
4	Dimethoate		9.97	UG/KG	UJ		9.98	UG/KG	UJ		10	UG/KG	UJ
4	Disulfoton		9.97	UG/KG	UJ		9.98	UG/KG	UJ		10	UG/KG	UJ
4	Parathion methyl		19.9	UG/KG	UJ		20	UG/KG	UJ		20	UG/KG	UJ
4	Phorate		9.97	UG/KG	UJ		9.98	UG/KG	UJ		10	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7553	Result	Units	Qualifier	BO7554	Result	Units	Qualifier	BO7555	Result	Units	Qualifier
1	4,4'-DDD		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	4,4'-DDE		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	4,4'-DDT		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Aldrin		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Alpha-BHC		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Alpha-Chlordane		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Beta-BHC		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Chlorobenzilate		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Delta-BHC		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Dieldrin		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Endosulfan I		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Endosulfan II		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Endosulfan sulfate		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Endrin		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Endrin Aldehyde		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Endrin ketone		3.36	UG/KG	U		3.33	UG/KG	U		3.34	UG/KG	U
1	Gamma-BHC (Lindane)		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Gamma-Chlordane		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Heptachlor		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Heptachlor epoxide		1.73	UG/KG	U		1.71	UG/KG	U		1.72	UG/KG	U
1	Kepone		17.3	UG/KG	U		17.1	UG/KG	U		17.2	UG/KG	U
1	Methoxychlor		17.3	UG/KG	U		17.1	UG/KG	U		20.7	UG/KG	U
1	Toxaphene		173	UG/KG	U		171	UG/KG	U		172	UG/KG	J
2	Aroclor-1016		33.6	UG/KG	U		33.3	UG/KG	U		33.4	UG/KG	U
2	Aroclor-1221		68.2	UG/KG	U		67.6	UG/KG	U		67.8	UG/KG	U
2	Aroclor-1232		33.6	UG/KG	U		33.3	UG/KG	U		33.4	UG/KG	U
2	Aroclor-1242		33.6	UG/KG	U		33.3	UG/KG	U		33.4	UG/KG	U
2	Aroclor-1248		33.6	UG/KG	U		33.3	UG/KG	U		33.4	UG/KG	U
2	Aroclor-1254		33.6	UG/KG	U		33.3	UG/KG	U		33.4	UG/KG	U
2	Aroclor-1260		33.6	UG/KG	U		33.3	UG/KG	U		33.4	UG/KG	U
3	2,4,5-T		25.1	UG/KG	U		25.2	UG/KG	U		25	UG/KG	U
3	2,4,5-TP		25.1	UG/KG	U		25.2	UG/KG	U		25	UG/KG	U
3	2,4-Dichlorophenoxy		50.2	UG/KG	U		50.3	UG/KG	U		50.1	UG/KG	U
4	21646-99-1		10.1	UG/KG	R		10	UG/KG	UJ		9.99	UG/KG	UJ
4	Dimethoate		10.1	UG/KG	R		10	UG/KG	UJ		9.99	UG/KG	UJ
4	Disulfoton		10.1	UG/KG	R		10	UG/KG	UJ		9.99	UG/KG	UJ
4	Parathion methyl		20.2	UG/KG	R		20	UG/KG	UJ		20	UG/KG	UJ
4	Phorate		10.1	UG/KG	R		10	UG/KG	UJ		9.99	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7556	Result	Units	Qualifier	BO7557	Result	Units	Qualifier	BO7558	Result	Units	Qualifier
1	4,4'-DDD		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	4,4'-DDE		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	4,4'-DDT		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Aldrin		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Alpha-BHC		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Alpha-Chlordane		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Beta-BHC		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Chlorobenzilate		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Delta-BHC		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Dieldrin		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Endosulfan I		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Endosulfan II		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Endosulfan sulfate		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Endrin		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Endrin Aldehyde		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Endrin ketone		3.34	UG/KG	U		3.3	UG/KG	U		3.26	UG/KG	U
1	Gamma-BHC (Lindane)		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Gamma-Chlordane		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Heptachlor		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Heptachlor epoxide		1.72	UG/KG	U		1.7	UG/KG	U		1.68	UG/KG	U
1	Kepone		17.2	UG/KG	U		17	UG/KG	U		16.8	UG/KG	U
1	Methoxychlor		17.2	UG/KG	U		17	UG/KG	U		16.8	UG/KG	U
1	Toxaphene		172	UG/KG	U		170	UG/KG	U		168	UG/KG	U
2	Aroclor-1016		33.4	UG/KG	U		33	UG/KG	U		32.6	UG/KG	U
2	Aroclor-1221		67.9	UG/KG	U		67	UG/KG	U		66.3	UG/KG	U
2	Aroclor-1232		33.4	UG/KG	U		33	UG/KG	U		32.6	UG/KG	U
2	Aroclor-1242		33.4	UG/KG	U		33	UG/KG	U		32.6	UG/KG	U
2	Aroclor-1248		33.4	UG/KG	U		33	UG/KG	U		32.6	UG/KG	U
2	Aroclor-1254		33.4	UG/KG	U		33	UG/KG	U		32.6	UG/KG	U
2	Aroclor-1260		33.4	UG/KG	U		33	UG/KG	U		32.6	UG/KG	U
3	2,4,5-T		25.4	UG/KG	U		25.1	UG/KG	U		25.1	UG/KG	U
3	2,4,5-TP		51.3	UG/KG			25.1	UG/KG	U		27.6	UG/KG	
3	2,4-Dichlorophenoxy		50.8	UG/KG	U		50.2	UG/KG	U		50.2	UG/KG	U
4	21646-99-1		10.2	UG/KG	UJ		10.1	UG/KG	UJ		9.98	UG/KG	UJ
4	Dimethoate		10.2	UG/KG	UJ		10.1	UG/KG	UJ		9.98	UG/KG	UJ
4	Disulfoton		10.2	UG/KG	UJ		10.1	UG/KG	UJ		9.98	UG/KG	UJ
4	Parathion methyl		20.4	UG/KG	UJ		20.3	UG/KG	UJ		20	UG/KG	UJ
4	Phorate		10.2	UG/KG	UJ		10.1	UG/KG	UJ		9.98	UG/KG	UJ

Summary of PCB/Pesticide and Herbicide Analytical Results for the 2727-S NRDWS Facility

1) Organochlorine Pesticides
2) PCBs
3) Organochlorine Herbicides
4) Organophosphorous Pesticides

CONST ID	CONSTITUENT	BO7559	Result	Units	Qualifier	BO7560	Result	Units	Qualifier
1	4,4'-DDD		3.32	UG/KG	U		3.33	UG/KG	U
1	4,4'-DDE		3.32	UG/KG	U		3.33	UG/KG	U
1	4,4'-DDT		3.32	UG/KG	U		4.71	UG/KG	P
1	Aldrin		1.71	UG/KG	U		1.72	UG/KG	U
1	Alpha-BHC		1.71	UG/KG	U		1.72	UG/KG	U
1	Alpha-Chlordane		1.71	UG/KG	U		1.72	UG/KG	U
1	Beta-BHC		1.71	UG/KG	U		1.72	UG/KG	U
1	Chlorobenzilate		3.32	UG/KG	U		3.33	UG/KG	U
1	Delta-BHC		1.71	UG/KG	U		1.72	UG/KG	U
1	Dieldrin		3.32	UG/KG	U		3.33	UG/KG	U
1	Endosulfan I		1.71	UG/KG	U		1.72	UG/KG	U
1	Endosulfan II		3.32	UG/KG	U		3.33	UG/KG	U
1	Endosulfan sulfate		3.32	UG/KG	U		3.33	UG/KG	U
1	Endrin		3.32	UG/KG	U		3.33	UG/KG	U
1	Endrin Aldehyde		3.32	UG/KG	U		3.33	UG/KG	U
1	Endrin ketone		3.32	UG/KG	U		3.33	UG/KG	U
1	Gamma-BHC (Lindane)		1.71	UG/KG	U		1.72	UG/KG	U
1	Gamma-Chlordane		1.71	UG/KG	U		1.72	UG/KG	U
1	Heptachlor		1.71	UG/KG	U		1.72	UG/KG	U
1	Heptachlor epoxide		1.71	UG/KG	U		1.72	UG/KG	U
1	Kepone		17.1	UG/KG	U		17.2	UG/KG	U
1	Methoxychlor		17.1	UG/KG	U		17.2	UG/KG	U
1	Toxaphene		171	UG/KG	U		172	UG/KG	U
2	Aroclor-1016		33.2	UG/KG	U		33.3	UG/KG	U
2	Aroclor-1221		67.3	UG/KG	U		67.6	UG/KG	U
2	Aroclor-1232		33.2	UG/KG	U		33.3	UG/KG	U
2	Aroclor-1242		33.2	UG/KG	U		33.3	UG/KG	U
2	Aroclor-1248		33.2	UG/KG	U		33.3	UG/KG	U
2	Aroclor-1254		33.2	UG/KG	U		33.3	UG/KG	U
2	Aroclor-1260		33.2	UG/KG	U		33.3	UG/KG	U
3	2,4,5-T		25.2	UG/KG	U		25.2	UG/KG	UJ
3	2,4,5-TP		67.1	UG/KG			25.2	UG/KG	UJ
3	2,4-Dichlorophenoxy		50.4	UG/KG	U		50.4	UG/KG	UJ
4	21646-99-1		10	UG/KG	UJ		10.1	UG/KG	R
4	Dimethoate		10	UG/KG	UJ		10.1	UG/KG	R
4	Disulfoton		10	UG/KG	UJ		10.1	UG/KG	R
4	Parathion methyl		20.1	UG/KG	UJ		20.2	UG/KG	R
4	Phorate		10	UG/KG	UJ		10.1	UG/KG	R

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07532	Result	Units	Qualifier	B07533	Result	Units	Qualifier	B07534	Result	Units	Qualifier	B07535	Result	Units	Qualifier
Ag		5.5	MG/KG	J		7.1	MG/KG	J		6.4	MG/KG	J		6.1	MG/KG	J
Al		6280	MG/KG			7810	MG/KG			7770	MG/KG			6930	MG/KG	
As		5.6	MG/KG	J		2.2	MG/KG	J		4.2	MG/KG	J		2.1	MG/KG	J
B		3.9	MG/KG	B		2.9	MG/KG	B		3.9	MG/KG	B		1.9	MG/KG	B
Ba		77.8	MG/KG			103	MG/KG			92.3	MG/KG			87.2	MG/KG	
Be		.2	MG/KG	B		.21	MG/KG			.21	MG/KG			.21	MG/KG	
Ca		8230	MG/KG	J		4600	MG/KG	J		11600	MG/KG	J		4260	MG/KG	J
Cd		.61	MG/KG	B		.63	MG/KG	U		.64	MG/KG	U		.63	MG/KG	U
Co		14	MG/KG			13.8	MG/KG			13.7	MG/KG			12.6	MG/KG	
Cr		16.1	MG/KG			8.8	MG/KG	J		9.9	MG/KG	J		8	MG/KG	J
Cu		36	MG/KG			13.5	MG/KG			12	MG/KG			10.3	MG/KG	
Fe		30700	MG/KG			28800	MG/KG	J		23800	MG/KG	J		24900	MG/KG	J
Hg		.1	MG/KG	U		.28	MG/KG			.4	MG/KG			.11	MG/KG	U
K		1570	MG/KG			2150	MG/KG			1730	MG/KG			1670	MG/KG	
Li		6.7	MG/KG	B		7.7	MG/KG			10.1	MG/KG			8.2	MG/KG	
Mg		4210	MG/KG			4960	MG/KG			4520	MG/KG			4300	MG/KG	
Mn		360	MG/KG	J		475	MG/KG	J		400	MG/KG	J		428	MG/KG	J
Mo		2	MG/KG	U		2.1	MG/KG	U		2.1	MG/KG	U		2.1	MG/KG	U
Na		187	MG/KG	U		350	MG/KG			347	MG/KG			247	MG/KG	
Ni		18.3	MG/KG			13.1	MG/KG			11.6	MG/KG			10.1	MG/KG	
Pb		55.5	MG/KG			5.3	MG/KG			5.6	MG/KG			6.7	MG/KG	
Sb		9.8	MG/KG	UJ		10	MG/KG	UJ		12.8	MG/KG	J		10.1	MG/KG	UJ
Se		.61	MG/KG	R		.63	MG/KG	R		.64	MG/KG	R		.63	MG/KG	R
Si		368	MG/KG	J		235	MG/KG	J		236	MG/KG	J		249	MG/KG	J
Sn		8.3	MG/KG	B		9.4	MG/KG	B		8.6	MG/KG	U		8.4	MG/KG	U
Sr		30.7	MG/KG	J		22.5	MG/KG	J		31.7	MG/KG	J		17.1	MG/KG	J
Ti		1650	MG/KG			1830	MG/KG			1560	MG/KG			1790	MG/KG	
Tl		.61	MG/KG	R		.63	MG/KG	R		.64	MG/KG	R		.63	MG/KG	R
V		62.2	MG/KG			66.7	MG/KG			62.3	MG/KG			63.6	MG/KG	
Zn		160	MG/KG	J		72.9	MG/KG	J		57.6	MG/KG	J		67.2	MG/KG	J
Zr		22.2	MG/KG			28.3	MG/KG			20.1	MG/KG			26.8	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07536	Result	Units	Qualifier	B07537	Result	Units	Qualifier	B07538	Result	Units	Qualifier	B07539	Result	Units	Qualifier
Ag		6.1	MG/KG	J		4.4	MG/KG	J		6.4	MG/KG	J		7.8	MG/KG	J
Al		6540	MG/KG			4260	MG/KG			6300	MG/KG			8620	MG/KG	
As		3.1	MG/KG	J		3	MG/KG	J		3.5	MG/KG	J		4.2	MG/KG	J
B		2	MG/KG	B		2.9	MG/KG	B		1.3	MG/KG	B		2.2	MG/KG	B
Ba		85.2	MG/KG			73.2	MG/KG			87.1	MG/KG			121	MG/KG	
Be		.22	MG/KG			.21	MG/KG			.22	MG/KG			.43	MG/KG	
Ca		6970	MG/KG	J		5760	MG/KG	J		3760	MG/KG	J		23200	MG/KG	J
Cd		.65	MG/KG	U		.62	MG/KG	U		1.5	MG/KG			.65	MG/KG	U
Co		25.1	MG/KG			10.2	MG/KG			11.7	MG/KG			15.2	MG/KG	
Cr		8.1	MG/KG	J		5.2	MG/KG	J		9.3	MG/KG	J		10.9	MG/KG	J
Cu		13.5	MG/KG			9.6	MG/KG			13.9	MG/KG			16.9	MG/KG	
Fe		29000	MG/KG	J		18100	MG/KG	J		22800	MG/KG	J		30200	MG/KG	J
Hg		.11	MG/KG	U		.1	MG/KG	U		.11	MG/KG	U		.11	MG/KG	U
K		1490	MG/KG			1080	MG/KG			1450	MG/KG			1560	MG/KG	
Li		8.7	MG/KG			5.8	MG/KG	U		7.5	MG/KG			10.6	MG/KG	
Mg		4340	MG/KG			3200	MG/KG			3960	MG/KG			6100	MG/KG	
Mn		425	MG/KG	UJ		328	MG/KG	UJ		415	MG/KG	J		484	MG/KG	J
Mo		2.2	MG/KG	U		2.1	MG/KG	U		2.2	MG/KG	U		2.2	MG/KG	U
Na		266	MG/KG			241	MG/KG			175	MG/KG	U		219	MG/KG	U
Ni		11.1	MG/KG			7.9	MG/KG			11.3	MG/KG			13.5	MG/KG	
Pb		5.4	MG/KG			6.3	MG/KG			41.4	MG/KG			7.2	MG/KG	
Sb		10.5	MG/KG	UJ		10	MG/KG	UJ		10.6	MG/KG	UJ		10.4	MG/KG	UJ
Se		.65	MG/KG	R		.62	MG/KG	R		.66	MG/KG	R		.65	MG/KG	R
Si		264	MG/KG	J		304	MG/KG	J		241	MG/KG	J		302	MG/KG	J
Sn		8.7	MG/KG	U		8.3	MG/KG	U		9.1	MG/KG	B		8.7	MG/KG	U
Sr		17.6	MG/KG	J		16	MG/KG	J		14.4	MG/KG	J		31.5	MG/KG	J
Ti		2290	MG/KG			1270	MG/KG			1570	MG/KG			1910	MG/KG	
Tl		.65	MG/KG	R		.62	MG/KG	R		.66	MG/KG	R		.65	MG/KG	R
V		81	MG/KG			44.5	MG/KG			54.8	MG/KG			73.4	MG/KG	
Zn		61.4	MG/KG	J		45.1	MG/KG	J		78.9	MG/KG	J		68.4	MG/KG	J
Zr		27	MG/KG			19.1	MG/KG			23.9	MG/KG			21.7	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07540	Result	Units	Qualifier	B07541	Result	Units	Qualifier	B07542	Result	Units	Qualifier	B07543	Result	Units	Qualifier
Ag		1	MG/KG	UJ		7.7	MG/KG	J		6.4	MG/KG	J		6.7	MG/KG	J
Al		98.2	MG/KG			7250	MG/KG			5760	MG/KG			6990	MG/KG	
As		.6	MG/KG	UJ		4.9	MG/KG	J		3.9	MG/KG	J		3.7	MG/KG	J
B		1	MG/KG	B		1.5	MG/KG	B		1.9	MG/KG	B		2.8	MG/KG	B
Ba		3.8	MG/KG			112	MG/KG			89.6	MG/KG			103	MG/KG	
Be		.2	MG/KG			.21	MG/KG			.21	MG/KG			.22	MG/KG	
Ca		42.8	MG/KG	J		9990	MG/KG	J		8100	MG/KG	J		4240	MG/KG	J
Cd		.6	MG/KG	U		.64	MG/KG	U		.64	MG/KG	U		.65	MG/KG	U
Co		2	MG/KG	U		34.2	MG/KG			24.5	MG/KG			13.8	MG/KG	
Cr		.8	MG/KG	UJ		7.4	MG/KG	J		6.2	MG/KG	J		8.2	MG/KG	J
Cu		.8	MG/KG			15.3	MG/KG			13	MG/KG			11.4	MG/KG	
Fe		694	MG/KG	J		35300	MG/KG	J		27300	MG/KG	J		28000	MG/KG	J
Hg		.1	MG/KG	U		.11	MG/KG	U		.11	MG/KG	U		.11	MG/KG	U
K		129	MG/KG	U		1450	MG/KG			1120	MG/KG			1730	MG/KG	
Li		5.6	MG/KG	U		9.4	MG/KG			6.8	MG/KG			8.4	MG/KG	
Mg		20.2	MG/KG			5700	MG/KG			4580	MG/KG			4470	MG/KG	
Mn		38.8	MG/KG	UJ		527	MG/KG	J		405	MG/KG	J		495	MG/KG	J
Mo		2	MG/KG	U		2.1	MG/KG	U		2.1	MG/KG	U		2.2	MG/KG	U
Na		43	MG/KG	U		687	MG/KG			618	MG/KG			194	MG/KG	U
Ni		2.2	MG/KG	U		14.2	MG/KG			10.9	MG/KG			11.2	MG/KG	
Pb		.67	MG/KG			5.5	MG/KG			5.3	MG/KG			33.8	MG/KG	
Sb		9.6	MG/KG	UJ		10.2	MG/KG	UJ		10.2	MG/KG	UJ		10.3	MG/KG	UJ
Se		.6	MG/KG	R		.64	MG/KG	R		.64	MG/KG	R		.65	MG/KG	R
Si		112	MG/KG	J		298	MG/KG	J		222	MG/KG	J		318	MG/KG	J
Sn		8	MG/KG	U		8.5	MG/KG	U		8.5	MG/KG	U		11.6	MG/KG	B
Sr		1	MG/KG	UJ		30	MG/KG	J		26	MG/KG	J		17.4	MG/KG	J
Ti		5.6	MG/KG			2640	MG/KG			2150	MG/KG			1910	MG/KG	
Tl		.6	MG/KG	R		.64	MG/KG	R		.64	MG/KG	R		.65	MG/KG	R
V		4	MG/KG			94.2	MG/KG			68.4	MG/KG			71.4	MG/KG	
Zn		6.8	MG/KG	UJ		64.8	MG/KG	J		50.1	MG/KG	J		56.8	MG/KG	J
Zr		.6	MG/KG	U		32.9	MG/KG			29	MG/KG			28.8	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07544	Result	Units	Qualifier	B07545	Result	Units	Qualifier	B07546	Results	Units	Qualifier	B07547	Results	Units	Qualifier
Ag		6.1	MG/KG	J		7.5	MG/KG	J		7.9	MG/KG	J		6.8	MG/KG	J
Al		5110	MG/KG			7490	MG/KG			7110	MG/KG			6990	MG/KG	
As		3.2	MG/KG	J		3.9	MG/KG	J		3.4	MG/KG	J		3.8	MG/KG	J
B		1.7	MG/KG	B		3	MG/KG	B		1.8	MG/KG	B		1.9	MG/KG	B
Ba		88.1	MG/KG			102	MG/KG			110	MG/KG			100	MG/KG	
Be		.22	MG/KG			.21	MG/KG			.44	MG/KG			.21	MG/KG	
Ca		7510	MG/KG	J		6070	MG/KG	J		14900	MG/KG	J		13600	MG/KG	J
Cd		.65	MG/KG	U		.64	MG/KG	U		.66	MG/KG	U		.64	MG/KG	U
Co		17.1	MG/KG			13.7	MG/KG			13.8	MG/KG			169	MG/KG	
Cr		5	MG/KG	J		8.6	MG/KG	J		8.8	MG/KG	J		8.1	MG/KG	J
Cu		12.6	MG/KG			13.1	MG/KG			15.1	MG/KG			28.8	MG/KG	
Fe		29900	MG/KG	J		27900	MG/KG	J		28000	MG/KG	J		32600	MG/KG	J
Hg		.25	MG/KG			.11	MG/KG	U		.11	MG/KG	U		.11	MG/KG	U
K		976	MG/KG			1580	MG/KG			1370	MG/KG			1270	MG/KG	
Li		6.1	MG/KG	U		7.7	MG/KG			8.1	MG/KG			6.4	MG/KG	
Mg		4420	MG/KG			4700	MG/KG			5120	MG/KG			4710	MG/KG	
Mn		431	MG/KG	J		455	MG/KG	J		457	MG/KG	J		473	MG/KG	J
Mo		2.2	MG/KG	U		2.1	MG/KG	U		2.2	MG/KG	U		2.1	MG/KG	U
Na		318	MG/KG			205	MG/KG	U		225	MG/KG	U		524	MG/KG	
Ni		9.5	MG/KG			10.5	MG/KG			11.6	MG/KG			27.7	MG/KG	
Pb		5.8	MG/KG			10	MG/KG			6.5	MG/KG			7.3	MG/KG	
Sb		10.4	MG/KG	UJ		10.3	MG/KG	UJ		11.2	MG/KG	J		10.2	MG/KG	UJ
Se		.65	MG/KG	R		.64	MG/KG	R		.66	MG/KG	R		.64	MG/KG	R
Si		223	MG/KG	J		294	MG/KG	J		422	MG/KG	J		464	MG/KG	J
Sn		8.7	MG/KG	U		8.6	MG/KG	U		8.8	MG/KG	U		8.5	MG/KG	U
Sr		21.2	MG/KG	J		21.7	MG/KG	J		27.1	MG/KG	J		31.9	MG/KG	J
Ti		2290	MG/KG			1970	MG/KG			1900	MG/KG			2390	MG/KG	
Tl		.65	MG/KG	R		.64	MG/KG	R		.66	MG/KG	R		.64	MG/KG	R
V		80.7	MG/KG			69.3	MG/KG			67.6	MG/KG			84.6	MG/KG	
Zn		55	MG/KG	J		52.1	MG/KG	J		54.3	MG/KG	J		64.7	MG/KG	J
Zr		29	MG/KG			27.5	MG/KG			18.8	MG/KG			28.3	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07548	Results	Units	Qualifier	B07549	Results	Units	Qualifier	B07550	Results	Units	Qualifier	B07551	Results	Units	Qualifier
Ag		6.8	MG/KG	J		6.8	MG/KG	J		6.4	MG/KG	J		6	MG/KG	J
Al		7900	MG/KG			6460	MG/KG			5850	MG/KG			6280	MG/KG	
As		2.6	MG/KG	J		3.5	MG/KG	J		.6	MG/KG	UJ		.6	MG/KG	UJ
B		2.4	MG/KG	B		3	MG/KG	B		13.1	MG/KG			5	MG/KG	
Ba		99.3	MG/KG			97.5	MG/KG			84	MG/KG			90.9	MG/KG	
Be		.22	MG/KG			.21	MG/KG			.2	MG/KG			.2	MG/KG	
Ca		4610	MG/KG	J		5110	MG/KG	J		6210	MG/KG	J		8510	MG/KG	J
Cd		.66	MG/KG	U		.64	MG/KG	U		.6	MG/KG	U		.6	MG/KG	U
Co		14.6	MG/KG			13	MG/KG			9.8	MG/KG			12.1	MG/KG	
Cr		11.6	MG/KG	J		8.6	MG/KG	J		7.4	MG/KG	J		10.1	MG/KG	J
Cu		12.4	MG/KG			14.3	MG/KG			15.3	MG/KG			20.5	MG/KG	
Fe		28400	MG/KG	J		25200	MG/KG	J		20300	MG/KG	J		28600	MG/KG	J
Hg		.11	MG/KG	U		.11	MG/KG	U		.1	MG/KG	U		.1	MG/KG	U
K		1790	MG/KG			1500	MG/KG			2890	MG/KG			2070	MG/KG	
Li		8.1	MG/KG			7.9	MG/KG			8.4	MG/KG			6.8	MG/KG	
Mg		4720	MG/KG			4530	MG/KG			3740	MG/KG			4450	MG/KG	
Mn		480	MG/KG	J		424	MG/KG	J		316	MG/KG	J		419	MG/KG	J
Mo		2.2	MG/KG	U		2.1	MG/KG	U		2	MG/KG	U		2	MG/KG	U
Na		227	MG/KG	U		196	MG/KG	U		245	MG/KG			186	MG/KG	U
Ni		11.1	MG/KG			11.3	MG/KG			10.1	MG/KG			14.7	MG/KG	
Pb		6.7	MG/KG			7.5	MG/KG			.6	MG/KG	U		.6	MG/KG	U
Sb		10.5	MG/KG	UJ		10.3	MG/KG	UJ		9.6	MG/KG	UJ		9.7	MG/KG	UJ
Se		.66	MG/KG	R		.64	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R
Si		251	MG/KG	J		325	MG/KG	J		159	MG/KG	J		237	MG/KG	J
Sn		8.7	MG/KG	U		8.6	MG/KG	U		9	MG/KG	B		8	MG/KG	U
Sr		24.2	MG/KG	J		19.9	MG/KG	J		26.9	MG/KG	J		27	MG/KG	J
Ti		1910	MG/KG			1670	MG/KG			1420	MG/KG			1510	MG/KG	
Tl		.66	MG/KG	R		.64	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R
V		69.2	MG/KG			62.9	MG/KG			55.1	MG/KG			59	MG/KG	
Zn		63.1	MG/KG	J		53	MG/KG	J		74.8	MG/KG	J		64	MG/KG	J
Zr		27.9	MG/KG			22.5	MG/KG			17.9	MG/KG			20.5	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Form - Inorganic Laboratory
S-Cubed, 07/16/93

Constituent	B07552	Results	Units	Qualifier	B07553	Results	Units	Qualifier	B07554	Result	Units	Qualifier	B07555	*Results	Units	Qualifier
Ag		5.4	MG/KG	J		5.6	MG/KG	J		6.9	MG/KG	J		5.3	MG/KG	J
Al		6120	MG/KG			7230	MG/KG			6900	MG/KG			6008	MG/KG	
As		.6	MG/KG	UJ		1.5	MG/KG	J		1.6	MG/KG	J		1.5	MG/KG	J
B		5	MG/KG			3.6	MG/KG	B		4.2	MG/KG			6.9	MG/KG	
Ba		80	MG/KG			86.4	MG/KG			96.8	MG/KG			80.2	MG/KG	
Be		.2	MG/KG			.2	MG/KG			.2	MG/KG			.2	MG/KG	
Ca		7310	MG/KG	J		4250	MG/KG	J		5000	MG/KG	J		6673	MG/KG	J
Cd		.6	MG/KG	U		.6	MG/KG	U		.6	MG/KG	U		.6	MG/KG	U
Co		11.7	MG/KG			12.7	MG/KG			12.9	MG/KG			12.3	MG/KG	
Cr		9.3	MG/KG	J		9.3	MG/KG	J		8.5	MG/KG	J		7.9	MG/KG	J
Cu		16.5	MG/KG			11.5	MG/KG			13.5	MG/KG			24.2	MG/KG	
Fe		24000	MG/KG	J		26400	MG/KG	J		27600	MG/KG	J		26613	MG/KG	J
Hg		.1	MG/KG	U		.1	MG/KG	U		.1	MG/KG	U		.1	MG/KG	U
K		2010	MG/KG			1630	MG/KG			2000	MG/KG			1400	MG/KG	
Li		7	MG/KG			5.8	MG/KG			7.1	MG/KG			6.9	MG/KG	
Mg		4270	MG/KG			4390	MG/KG			4740	MG/KG			4294	MG/KG	
Mn		379	MG/KG	J		423	MG/KG	J		468	MG/KG	J		393	MG/KG	J
Mo		2	MG/KG	U		2	MG/KG	U		2	MG/KG	U		2	MG/KG	U
Na		158	MG/KG	U		162	MG/KG	U		162	MG/KG	U		559	MG/KG	
Ni		11.3	MG/KG			10.9	MG/KG			11.5	MG/KG			10.3	MG/KG	
Pb		.6	MG/KG	U		10.1	MG/KG			7.7	MG/KG			7.4	MG/KG	
Sb		9.7	MG/KG	UJ		9.7	MG/KG	UJ		9.7	MG/KG	UJ		9.7	MG/KG	UJ
Se		.6	MG/KG	R		.63	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R
Si		185	MG/KG	J		234	MG/KG	J		361	MG/KG	J		234	MG/KG	J
Sn		9.7	MG/KG	B		8.1	MG/KG	U		9.1	MG/KG	B		9.7	MG/KG	B
Sr		26.2	MG/KG	J		16.9	MG/KG	J		17.7	MG/KG	J		21	MG/KG	J
Tl		1530	MG/KG			1680	MG/KG			1860	MG/KG			1780	MG/KG	
Tl		.6	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R
V		59	MG/KG			65.9	MG/KG			66.3	MG/KG			65.1	MG/KG	
Zn		67.9	MG/KG	J		58.4	MG/KG	J		106	MG/KG	J		73	MG/KG	J
Zr		20.1	MG/KG			24	MG/KG			26.6	MG/KG			23	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07556	Result	Units	Qualifier	B07557	Result	Units	Qualifier	B07556	Result	Units	Qualifier	B07559	Result	Units	Qualifier
Ag		5.7	MG/KG	J		5.4	MG/KG	J		5.2	MG/KG	J		6.5	MG/KG	J
Al		6020	MG/KG			6670	MG/KG			6770	MG/KG			7870	MG/KG	
As		.61	MG/KG	UJ		.6	MG/KG	UJ		.88	MG/KG	J		.8	MG/KG	UJ
B		4.1	MG/KG			2.4	MG/KG	B		5	MG/KG			5.4	MG/KG	
Ba		83.9	MG/KG			91.2	MG/KG			81.4	MG/KG			101	MG/KG	
Be		.2	MG/KG			.2	MG/KG			.2	MG/KG			.2	MG/KG	
Ca		14900	MG/KG	J		3950	MG/KG	J		5670	MG/KG	J		7670	MG/KG	J
Cd		.61	MG/KG	U		.6	MG/KG	U		.6	MG/KG	U		.61	MG/KG	U
Co		10.6	MG/KG			12.3	MG/KG			12.5	MG/KG			14.5	MG/KG	
Cr		9.3	MG/KG	J		8.3	MG/KG	J		8.4	MG/KG	J		9.7	MG/KG	J
Cu		15	MG/KG			10.7	MG/KG			12.7	MG/KG			13.9	MG/KG	
Fe		22000	MG/KG	J		26400	MG/KG	J		26100	MG/KG	J		31900	MG/KG	J
Hg		.1	MG/KG	U		.1	MG/KG	U		.1	MG/KG	U		.1	MG/KG	U
K		1890	MG/KG			1580	MG/KG			1690	MG/KG			2060	MG/KG	
Li		6.5	MG/KG			7.9	MG/KG			8.6	MG/KG			8.9	MG/KG	
Mg		4130	MG/KG			4130	MG/KG			4420	MG/KG			4980	MG/KG	
Mn		368	MG/KG	J		431	MG/KG	J		390	MG/KG	J		446	MG/KG	J
Mo		2	MG/KG	U		2	MG/KG	U		2	MG/KG	U		2	MG/KG	U
Na		172	MG/KG	U		143	MG/KG	U		198	MG/KG	U		242	MG/KG	
Ni		10.2	MG/KG			10.1	MG/KG			11.3	MG/KG			11.7	MG/KG	
Pb		5.4	MG/KG			9	MG/KG			11.1	MG/KG			9.7	MG/KG	
Sb		9.8	MG/KG	UJ		10.9	MG/KG	J		9.6	MG/KG	UJ		9.7	MG/KG	UJ
Se		.61	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R		.61	MG/KG	R
Si		321	MG/KG	J		268	MG/KG	J		209	MG/KG	J		240	MG/KG	J
Sn		8.1	MG/KG	U		8.1	MG/KG	U		10.9	MG/KG	B		8.1	MG/KG	U
Sr		29.9	MG/KG	J		16.1	MG/KG	J		21.3	MG/KG	J		24.4	MG/KG	J
Ti		1350	MG/KG			1860	MG/KG			1790	MG/KG			2020	MG/KG	
Tl		.61	MG/KG	R		.6	MG/KG	R		.6	MG/KG	R		.61	MG/KG	R
V		53.9	MG/KG			68.7	MG/KG			68.7	MG/KG			79.3	MG/KG	
Zn		65.2	MG/KG	J		48.7	MG/KG	J		60.9	MG/KG	J		61.4	MG/KG	J
Zr		18.1	MG/KG			27.6	MG/KG			23.5	MG/KG			26.6	MG/KG	

Summary of Inorganic Analytical Results for the 2727-S NRDWS Facility

Constituent	B07560	Result	Units	Qualifier	B07562	Result	Units	Qualifer
Ag		3.1	MG/KG	J		4.1	MG/KG	J
Al		8000	MG/KG			9670	MG/KG	
As		3	MG/KG			8.3	MG/KG	J
B		9.2	MG/KG		**	**	MG/KG	**
Ba		86.5	MG/KG			110	MG/KG	J
Be		.41	MG/KG			.43	MG/KG	J
Ca		5720	MG/KG			20600	MG/KG	J
Cd		.61	MG/KG	J		.64	MG/KG	U
Co		13.8	MG/KG			16.1	MG/KG	J
Cr		11.6	MG/KG			13.3	MG/KG	J
Cu		15.7	MG/KG			35	MG/KG	
Fe		30900	MG/KG			31600	MG/KG	
Hg		.1	MG/KG	U		.11	MG/KG	U
K		2460	MG/KG			1970	MG/KG	
Li		5.7	MG/KG	U	**	**	MG/KG	**
Mg		4720	MG/KG			5070	MG/KG	
Mn		435	MG/KG			505	MG/KG	
Mo		2	MG/KG	U		2.1	MG/KG	U
Na		311	MG/KG			311	MG/KG	
Ni		11.6	MG/KG			13.7	MG/KG	J
Pb		17.5	MG/KG			25.2	MG/KG	
Sb		9.8	MG/KG	UJ		10.3	MG/KG	UJ
Se		.61	MG/KG	U		.64	MG/KG	U
Si		309	MG/KG	J	**	**	MG/KG	**
Sn		8.1	MG/KG	U	**	**	MG/KG	**
Sr		1	MG/KG	UJ	**	**	MG/KG	**
Ti		2.2	MG/KG	J	**	**	MG/KG	**
Tl		.61	MG/KG	UJ		.64	MG/KG	UJ
V		79.1	MG/KG			66.2	MG/KG	J
Zn		99.5	MG/KG			234	MG/KG	
Zr		1.6	MG/KG	J	**	**	MG/KG	**

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07532	Result	Qualifier	Units	B07533	Result	Qualifier	Units	B07534	Result	Qualifier	Units
Flouride		.407		MG/KG		.708		MG/KG		.787		MG/KG
Chloride		2.05		MG/KG		2.81		MG/KG		3.4		MG/KG
Nitrite		<.2		MG/KG		<.21		MG/KG		<.21		MG/KG
Bromide		<.51		MG/KG		<.52		MG/KG		<.54		MG/KG
Nitrate		3.82		MG/KG		3.63		MG/KG		3.63		MG/KG
Ortho-Phosphate		3.54		MG/KG		2.73		MG/KG		2.73		MG/KG
Sulfate		3.09		MG/KG		13.4		MG/KG		13.4		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG
Ammonia		1.53	J	MG/KG		1.72	J	MG/KG		.535	J	MG/KG
Sulfide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07535	Result	Qualifier	Units	B07536	Result	Qualifier	Units	B07537	Result	Qualifier	Units
Flouride		.616		MG/KG		.545		MG/KG		.645		MG/KG
Chloride		2.91		MG/KG		3.04		MG/KG		2.78		MG/KG
Nitrite		<.21		MG/KG		<.22		MG/KG		.224		MG/KG
Bromide		<.53		MG/KG		<.54		MG/KG		<.52		MG/KG
Nitrate		2.52		MG/KG		3.12		MG/KG		1.9		MG/KG
Ortho-Phosphate		2.59		MG/KG		1.45		MG/KG		2.07		MG/KG
Sulfate		4.187		MG/KG		16.182		MG/KG		3.255		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG
Ammonia		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG
Sulfide		5.9		MG/KG		10.4		MG/KG		5.82		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07538	Result	Qualifier	Units	B07539	Result	Qualifier	Units	B07540	Result	Qualifier	Units
Flouride		.525		MG/KG		.651		MG/KG		1.42		MG/KG
Chloride		3.02		MG/KG		2.29		MG/KG		2.18		MG/KG
Nitrite		<.22		MG/KG		<.22		MG/KG		<.1		MG/KG
Bromide		<.55		MG/KG		<.54		MG/KG		<.1		MG/KG
Nitrate		4.91		MG/KG		1.67		MG/KG		1.72		MG/KG
Ortho-Phosphate		2.02		MG/KG		<.54		MG/KG		<.1		MG/KG
Sulfate		10.33		MG/KG		2.416		MG/KG		2.2		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG
Ammonia		.608	J	MG/KG		.543	J	MG/KG		<MDL	UJ	MG/KG
Sulfide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07541	Result	Qualifier	Units	B07542	Result	Qualifier	Units	B07543	Result	Qualifier	Units
Flouride		1.75		MG/KG		1.75		MG/KG		1.19		MG/KG
Chloride		2.62		MG/KG		2.4		MG/KG		.301		MG/KG
Nitrite		<.11		MG/KG		<.11		MG/KG		<.11		MG/KG
Bromide		<.11		MG/KG		<.11		MG/KG		<.11		MG/KG
Nitrate		7.7		MG/KG		7.51		MG/KG		5.06		MG/KG
Ortho-Phosphate		<.11		MG/KG		<.11		MG/KG		3.94		MG/KG
Sulfate		32.7		MG/KG		32.1		MG/KG		2.85		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		.768		MG/KG
Ammonia		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG
Sulfide		<MDL		MG/KG		18.7		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07544	Result	Qualifier	Units	B07545	Result	Qualifier	Units	B07546	Result	Qualifier	Units
Flouride		1.33		MG/KG		1.06		MG/KG		1.49		MG/KG
Chloride		1.02		MG/KG		.274		MG/KG		.662		MG/KG
Nitrite		<.11		MG/KG		<.11		MG/KG		<.11		MG/KG
Bromide		<.11		MG/KG		<.11		MG/KG		<.11		MG/KG
Nitrate		5.95		MG/KG		4.15		MG/KG		5.85		MG/KG
Ortho-Phosphate		<.11		MG/KG		2.38		MG/KG		<.11		MG/KG
Sulfate		17.9		MG/KG		2.49		MG/KG		5.29		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG
Ammonia		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG		.547	J	MG/KG
Sulfide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07547	Result	Qualifier	Units	B07548	Result	Qualifier	Units	B07549	Result	Qualifier	Units
Flouride		1.72		MG/KG		1.03		MG/KG		1.19		MG/KG
Chloride		1.01		MG/KG		1.6		MG/KG		1.8		MG/KG
Nitrite		<.11		MG/KG		<.11		MG/KG		<.11		MG/KG
Bromide		<.11		MG/KG		<.11		MG/KG		<.11		MG/KG
Nitrate		7.35		MG/KG		21.1		MG/KG		23.5		MG/KG
Ortho-Phosphate		.746		MG/KG		3.35		MG/KG		<.11		MG/KG
Sulfate		10.2		MG/KG		13.1		MG/KG		10.3		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG
Ammonia		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG
Sulfide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07550	Result	Qualifier	Units	B07551	Result	Qualifier	Units	B07552	Result	Qualifier	Units
Flouride		2.93		MG/KG		1.13		MG/KG		<.1		MG/KG
Chloride		61.3		MG/KG		149		MG/KG		146		MG/KG
Nitrite		5.076		MG/KG		1.122		MG/KG		1.158		MG/KG
Bromide		1.246		MG/KG		1.353		MG/KG		1.365		MG/KG
Nitrate		77.9		MG/KG		12.3		MG/KG		11.3		MG/KG
Ortho-Phosphate		25		MG/KG		1.49		MG/KG		2.27		MG/KG
Sulfate		74.9		MG/KG		454		MG/KG		363		MG/KG
Total Cyanide		<MDL		MG/KG		<MDL		MG/KG		<MDL		MG/KG
Ammonia		1.01	J	MG/KG		<MDL	UJ	MG/KG		<MDL	UJ	MG/KG
Sulfide		9.6		MG/KG		<MDL		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07553	Result	Qualifier	Units	B07554	Result	Qualifier	Units	B07555	Result	Qualifier	Units
Flouride		.45		MG/KG		.51		MG/KG		.93		MG/KG
Chloride		2.16		MG/KG		2.82		MG/KG		44.05		MG/KG
Nitrite		<.2		MG/KG		<.2		MG/KG		<.2		MG/KG
Bromide		<.5		MG/KG		<.5		MG/KG		<.5		MG/KG
Nitrate		6.6		MG/KG		6.05		MG/KG		8.16		MG/KG
Ortho-Phosphate		2.45		MG/KG		3.13		MG/KG		3.12		MG/KG
Sulfate		2.49		MG/KG		4.03		MG/KG		12.9		MG/KG
Total Cyanide		<MDL		MG/KG		.642		MG/KG		<MDL		MG/KG
Ammonia		1.16	J	MG/KG		.907	UJ	MG/KG		.806	UJ	MG/KG
Sulfide		<MDL		MG/KG		5.65		MG/KG		<MDL		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07556	Result	Qualifier	Units	B07557	Result	Qualifier	Units	B07558	Result	Qualifier	Units
Flouride		.43		MG/KG		.67		MG/KG		.76		MG/KG
Chloride		2.14		MG/KG		2.47		MG/KG		2.82		MG/KG
Nitrite		<.2		MG/KG		<.2		MG/KG		.25		MG/KG
Bromide		<.51		MG/KG		<.5		MG/KG		<.5		MG/KG
Nitrate		42.06		MG/KG		4.89		MG/KG		14.03		MG/KG
Ortho-Phosphate		4.25		MG/KG		2.34		MG/KG		2.76		MG/KG
Sulfate		7.82		MG/KG		2.17		MG/KG		3.35		MG/KG
Total Cyanide		<MDL		MG/KG		.615		MG/KG		<MDL		MG/KG
Ammonia		.508	UJ	MG/KG		.856	J	MG/KG		.553	J	MG/KG
Sulfide		<MDL		MG/KG		<MDL		MG/KG		5.63		MG/KG

Summary of Anion Analytical Results
for the 2727-S NRDWS Facility

Constituent	B07559	Result	Qualifier	Units	B07560	Result	Qualifier	Units
Flouride		.56		MG/KG		.234	J	MG/KG
Chloride		2.83		MG/KG		21.2	J	MG/KG
Nitrite		<.2		MG/KG		<.2	UJ	MG/KG
Bromide		<.5		MG/KG		<.5	UJ	MG/KG
Nitrate		12.41		MG/KG		4.84	J	MG/KG
Ortho-Phosphate		2.67		MG/KG		5.8	J	MG/KG
Sulfate		3.44		MG/KG		31.7	J	MG/KG
Total Cyanide		<MDL		MG/KG		.275	J	MG/KG
Ammonia		.705	J	MG/KG		<MDL		MG/KG
Sulfide		<MDL		MG/KG		<MDL		MG/KG

APPENDIX B

MAXIMA AND 95/95 REFERENCE THRESHOLD VALUES FOR HANFORD SITE SOIL BACKGROUND

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Maxima and 95/95 Reference Thresholds for Hanford Sitewide Soil Background.[1] (sheet 1 of 2)

Analyte	Detection limits		95/95 threshold (mg/kg)	Maximum concentration (mg/kg)	Sample with maximum concentration
	LOD	LOQ			
Aluminum	21.8	66.1	15,100	28,800	Topsoil, playa, E-7
Antimony	15.7	52.2	NC	31	Volcanic ash*
Arsenic	N/A	N/A	9.0	27.7	Topsoil,juniper, e-3
Barium	0.87	2.7	175	480	Volcanic ash*
Beryllium	N/A	N/A	1.8	10	Volcanic ash*
Cadmium	0.24	0.79	NC	11	Volcanic ash*
Calcium	175	470	24,600	105,000	Topsoil, greasewood, E-2
Chromium	1.1	3.0	28	320	Ringold FM*
Cobalt	0.88	2.9	19	110	Volcanic ash*
Copper	2.1	6.2	30	61	Volcanic ash*
Iron	75.7	236	38,200	68,100	Ringold FM
Lead	N/A	N/A	14.9	74.1	Topsoil,juniper, E-3
Magnesium	18.4	57.9	9,160	32,300	Topsoil, greasewood, E-2
Manganese	0.63	1.8	583	1,110	Topsoil, playa, E-7
Mercury	N/A	N/A	1.3	3.8	Random samples, #15
Nickel	2.4	7.7	25	200	Ringold FM*
Potassium	135	451	3,090	7,900	Topsoil, playa, E-7
Selenium	N/A	N/A	NC	6	Random samples, #15
Silver	2.1	4.5	2.1	14.6	Random samples, #6
Sodium	50.6	140	1,390	6,060	Random samples, #12
Thallium	N/A	N/A	NC	3.7	Lab detection limit
Vanadium	1.8	5.9	107	140	Volcanic ash*
Zinc	6.4	15.6	79	366	Topsoil, juniper, E-3
Molybdenum	1.4	4.8	NC	6	Ringold FM
Lithium	N/A	N/A	37	39.2	Random samples, #14*
Titanium	N/A	N/A	3,307	3,180	Random samples, #6
Zirconium	N/A	N/A	53	84.8	Random samples, #10
Ammonia	N/A	N/A	27.4	26.4	Random samples, #14
Alkalinity	N/A	N/A	20,100	150,000	Topsoil, greasewood, E-2
Silicon	N/A	N/A	239	1202.9	Topsoil, playa, E-7
Fluoride	N/A	N/A	13	73.3	Random samples, #10
Chloride	N/A	N/A	783	1480	Random samples, #11

Maxima and 95/95 Reference Thresholds for Hanford Sitewide Soil Background.[1] (sheet 2 of 2)

Analyte	Detection limits		95/95 threshold (mg/kg)	Maximum concentration (mg/kg)	Sample with maximum concentration
	LOD	LOQ			
Nitrite	N/A	N/A	NC	36.5	Topsoil, greasewood, E-2
Nitrate	N/A	N/A	208	906	Hanford FM judgement, #11
O-Phosphate	N/A	N/A	12.7	225	Random samples, #10
Sulfate	N/A	N/A	931	12,600	Topsoil, greasewood, E-2

Notes:
N/A = Not available.
NC = Not calculated.
* = Offsite.
(DOE-RL 1993a)

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APPENDIX C

TYPICAL INORGANIC CONCENTRATIONS IN SOILS

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FIGURE 1. TYPICAL INORGANIC CONCENTRATIONS IN SOILS.

Element	Common Range in Soils (mg/kg)
Aluminum	10,000 to 300,000
Antimony	0.2 to 10
Barium	100 to 3,000
Beryllium	0.1 to 40
Boron	2 to 100
Cadmium	0.01 to 7
Calcium	7,000 to 500,000
Chromium	1 to 1,000
Cobalt	1 to 40
Copper	2 to 100
Iron	7,000 to 550,000
Lead	2 to 200
Lithium	5 to 200
Magnesium	500 to 10,200
Manganese	20 to 3,000
Mercury	0.01 to 0.3
Molybdenum	0.2 to 5
Nickel	5 to 500
Potassium	400 to 30,000
Selenium	0.1 to 2
Silicon	230,000 to 350,000
Silver	0.01 to 5
Sodium	750 to 7,500
Strontium	50 to 1,000
Thallium	0.1 to 0.8
Titanium	1,000 to 10,000
Tin	2 to 200
Vanadium	20 to 500
Zinc	10 to 300
Zirconium	60 to 2,000

Dragun, J., *The Soil Chemistry of Hazardous Materials*, The Hazardous Materials Research Institute, Silver Springs, Maryland.

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APPENDIX D

WASHINGTON ADMINISTRATIVE CODE MODEL TOXICS CONTROL ACT METHOD A AND B CLEAN-UP STANDARDS

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MTCA Method A and B Cleanup Standards. (sheet 1 of 3)

Detected analyte	Range of local bkgrnd (ppm)[a]	PQL (ppb)[i]	RfD/CPF source[f]		MTCA method A cleanup level[c]	MTCA method B cleanup levels[g]				
						Toxicity		Carcinogenicity		
			RfD	CPF		Oral RfD	Cleanup level mg/kg (ppm)	Cancer class[d]	Oral CPF	Cleanup level mg/kg (ppm)
VOCs										
Acetone	10 to 45	100	I	k	j	0.1	8,000.0	D	k	j
Methylene Chloride	48 to 110	5.0	I	I	0.5	0.06	4800.0	B2	0.0075	133.1
Toluene[e]	5	5.0	I	k	40.0	0.2	16,000.0	D	k	j
Xylenes[e]	5	5.0	I	k	20.0	2	160,000.0	D	k	j
Hexone[e]	10 to 45	50	H	k	j	0.05	4,000	k	k	j
Semi-VOCs										
Diethylphthalate	660	660	I	k	j	0.8	64,000	D	k	j
Bis(2-ethylhexyl)phthalate	200 to 670	660	I	I	j	0.02	1600	B2	0.014	71.4[h]
Benzo(a)pyrene[h]	660 to 670	660	k	I	1.0	k	j	B2	7.3	0.137[h]
Benzo(b)fluoranthene[h]	660 to 670	660	k	RX	1.0	k	j	B2	7.3	0.137[h]
Benzo(a)anthracene[h]	660 to 670	660	k	RX	1.0	k	j	B2	7.3	0.137[h]
Benzo(g,h,i)perylene[h]	660 to 670	660	k	k	1.0	k	j	D	7.3	0.137[h]
Benzo(k)fluoranthene[h]	660 to 670	660	k	RX	1.0	k	j	B2	7.3	0.137[h]
Chrysene[h]	660 to 670	660	k	RX	1.0	k	j	B2	7.3	0.137[h]
Fluoranthene	660 to 670	660	I	k	1.0	0.04	3,200	D	k	j
Indeno(1,2,3-cd)pyrene[h]	660 to 670	660	k	RX	1.0	k	j	B2	7.3	0.137[h]
Pyrene	660 to 670	660	I	k	j	0.03	2,400	D	k	j

MTCA Method A and B Cleanup Standards. (sheet 2 of 3)

Detected analyte	Range of local bkgrnd (ppm)[a]	PQL ppb[i]	RfD/CPF source[f]		MTCA method A cleanup level[c]	MTCA method B cleanup levels[g]				
						Toxicity		Carcinogenicity		
			RfD	CPF		Oral RfD	Cleanup level mg/kg (ppm)	Cancer class[d]	Oral CPF	Cleanup level mg/kg (ppm)
Organochlorine Pesticide/PCB										
4,4'-DDT	3.26 to 3.32	8.0	I	I	1.0	0.0005	40	B2	0.34	2.94
Herbicide										
2,4,5-T	25.1 to 25.2	40	I	k	j	0.01	800	k	k	j
2,4,5-TP	25.1 to 67.1	34	I	k	j	0.008	640	D	k	j
2,4-D[e]	50.2 to 50.4	240	I	k	j	0.01	800	k	k	j
Inorganics										
Antimony	9.6 to 10.9	j	I	k	j	0.0004	32.0	k	k	j
Cadmium	0.6 to 0.61	j	I	k	2.0	0.0005	40.0	B1	k	j
Cobalt[b]	12.3 to 14.5	j	STSC	k	j	0.06	4,800	k	k	j
Copper	10.7 to 13.9	j	C	k	j	0.04	3,200	D	k	j
Lead[b]	9 to 11.1	j	k	k	250	k	j	B2	k	j
Nickel	10.1 to 11.7	j	I	k	j	0.02	1600.0	k	k	j
Silver	5.2 to 6.5	j	I	k	j	0.005	400.0	D	k	j
Zinc	48.7 to 61.4	j	I	k	j	0.3	24,000	D	k	j
Boron	2.4 to 5.4	j	I	k	j	0.09	7200	k	k	j
Strontium	16.1 to 24.4	j	I	k	j	0.6	48,000	k	k	j
Tin	8.1 to 10.9	j	H	k	j	0.6	48,000	k	k	j

MTCA Method A and B Cleanup Standards. (sheet 3 of 3)

Detected analyte	Range of local bkgrnd (ppm)[a]	PQL[h] ppb[i]	RfD/CPF source[f]		MTCA method A cleanup level[c]	MTCA method B cleanup levels[g]				
						Toxicity		Carcinogenicity		
			RfD	CPF		Oral RfD	Cleanup level mg/kg (ppm)	Cancer class[d]	Oral CPF	Cleanup level mg/kg (ppm)
Anions										
Cyanide	0.503 to 0.615	j	I	k	j	0.02	1600.0	D	k	j
Nitrite	0.2 to .25	j	I	k	j	0.1	8,000	k	k	j

Notes:
[a] Range of local background is provided by samples B07557, B07558, and B07559.
[b] Cobalt and lead were undergoing EPA RfD Work Group Review at the time of the IRIS database check.
[c] MTCA Method A Cleanup Standards from WAC 173-340-740, Table 2, Method A cleanup levels--Soil.
[d] Cancer Class (IRIS, EPA 1988a).
A = Known human carcinogen.
B1, B2 = Probable human carcinogens.
D = Not a carcinogen.
[e] Analyte reported only in containerized waste soils.
[f] I = Integrated Risk Information System (IRIS). This is the most authoritative source (EPA 1992).
H = Health Effects Assessment Summary Table (HEAST). HEAST contains "provisional" information that will be entered into IRIS when accepted.
S = Superfund Technical Support Center. The center provides information insufficiently authoritative to be published in HEAST or IRIS.
RX = EPA Region 10 (RX). RX information was provided by the CLARC II database (Ecology 1993).
C = CLARC II database (Ecology 1993).
[g] MTCA Method B soil cleanup level calculations (WAC 173-340-740):
Toxicity (mg/kg) = (RfD * ABW * UCF * HQ)/(SIR * AB1 * FOC).
Carcinogens (mg/kg) = (RISK * ABW * LIFE * UCF)/(CPF * SIR * AB1 * DUR * FOC).
RfD = Reference dose (mg/kg/day).
ABW = Average body weight (16 kg).
UCF = Unit conversion factor (10e+6 mg/kg).
SIR = Soil ingestion rate (200 mg/day).
AB1 = Gastrointestinal adsorption rate (1.0).
FOC = Frequency of contact (1.0).
HQ = Hazard quotient (1).
RISK = Acceptable cancer risk (10e-6).
LIFE = Lifetime (75 years).
CPF = Carcinogenic potency factor (slope factor) (kg-day/mg).
DUR = Duration of exposure (6 years).
[h] For polycyclic aromatic hydrocarbons, Method A cleanup level will prevail.
[i] Source: SW-846 (EPA 1992).
[j] Not calculated.
[k] Not reported.

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