Appendix A-9

Supplemental Design Investigation Data Validation Memoranda

90074590

Technical Memorandum

11 November 2021

To	Janie Smith	**Tel**	561-688-9008
Copy to	Ashley Lucas	**Email**	Marisa.Oriaku@ghd.com
From	Marisa Oriaku/cs/2-NF	**Ref. No.**	11215702
Subject	**Analytical Results and Validation – High Resolution Dioxins and Furans San Jacinto River Waste Pits Superfund Site Investigation Supplemental Design Investigation – Northern Impoundment Area San Jacinto, Harris County, Texas July - August 2021**		

1. Introduction

This document details a validation of analytical results for soil boring samples collected in support of the Supplemental Design Investigation – Northern Impoundment Area at the San Jacinto River Waste Pits Superfund Site from July - August 2021. Samples were submitted to Eurofins TestAmerica, Inc. at locations in Sacramento, California, and Lancaster, Pennsylvania. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. Specific samples were chosen for re-extraction and are labeled as laboratory duplicates (Table 1); both sets of data are included on Table 2. Four samples were collected for a waste characterization study and the results are presented in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. The sample delivery groups covered in the report are identified in Table 1. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, recovery data from surrogate spikes/laboratory control samples (LCS), matrix spikes (MS), laboratory duplicates and field Quality Assurance/Quality Control (QA/QC) samples. The assessment of analytical and in-house data included checks for data consistency (by observing comparability of duplicate analyses), adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan, Final Second Phase Pre-Design Investigation", San Jacinto River Waste Pits Site, Harris County, Texas, Report No 6, June 3, 2019

ii) "National Functional Guidelines for High Resolution Superfund Methods Data Review", OLEM 9200.3-115, EPA 542-B-16-001, April 2016

Item ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criterion and sample preservation requirements for the analysis are summarized in Table 3. The sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

All samples were delivered on ice and stored by the laboratory at the required temperature (0-6°C). A few coolers had a temperature reading outside of the recommended limit; however, ice was present in the coolers, and therefore the data was not qualified.

3. Gas Chromatography/Mass Spectrometry (GC/MS) – Tuning and Mass Calibration (Instrument Performance Check)

Prior to Polychlorinated Dibenzodioxins/Polychlorinated Dibenzo-p-furan (PCDD/PCDF) analyses, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the method requires the analysis of the specific tuning compound perfluorokerosene (PFK). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

Tuning compounds were analyzed at the required frequency throughout the analysis period. All tuning criteria were met, indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration

To quantify PCDDs/PCDFs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a minimum of a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve, instrument sensitivity, and ion abundance ratios are evaluated against the criteria cited in the method.

The initial calibration data were reviewed. All compounds met the method criteria for sensitivity, linearity, and ion abundance ratios.

5. Continuing Calibration

To ensure that instrument calibration for the analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

Calibration standards were analyzed at the required frequency. All results met the method criteria for instrument sensitivity, stability, and ion abundance ratios.

6. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with the investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch.

Most method blank results had low-level detections. Sample results with similar concentrations to those found in the method blanks were qualified as non-detect (U) as shown in Table 4.

7. Spiked C13 Labeled PCDDs/PCDFs

In accordance with the method employed, all samples, blanks, and QC samples analyzed for PCDDs/PCDFs are spiked with labeled congeners prior to extraction to be an internal standard for the quantitation of native congeners, and to serve as surrogates for the assessment of method performance in the sample matrix.

All samples submitted were spiked with the appropriate number of labeled compounds prior to sample extraction and analysis.

Labeled congener recoveries and ion abundance ratios were assessed against method control limits. All labeled PCDD/PCDF recoveries were within the method acceptance ranges. However, some ion abundance ratios were outside of the acceptable limits, and the associated sample results were qualified as estimated (J) as shown in Table 5.

8. Cleanup Standard Recoveries

A C13 labeled cleanup standard is added to all samples, blanks, and QC samples after extraction, but prior to the cleanup procedures to assess the efficiency of the cleanup process.

All cleanup standard recoveries were within the method acceptance range.

9. Laboratory Control Sample Analyses

Laboratory control samples (LCS) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, an LCS was analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

10. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analytes of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analyses were performed as specified in Table 1.

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the exception of those shown in Table 6.

11. Duplicate Sample Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, thirty-six duplicate samples were prepared and analyzed by the laboratory as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is two times the RL value.

Most duplicate analyses performed were acceptable, demonstrating acceptable analytical precision with the exception of some compounds that showed higher variability (Table 7).

12. Field QA/QC Samples

The field QA/QC consisted of 19 field duplicate sample sets.

To assess the analytical and sampling protocol precision, 19 field duplicate samples were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 100 percent for soil samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is two times the RL value.

Most field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision with the exception of some compounds that showed elevated variability as shown in Table 8.

13. Target Compound Identification/Sample Quantitation

To minimize erroneous compound identification during PCDD/PCDF analyses, qualitative criteria including compound retention time, ion abundance ratio, and chromatography were evaluated according to the identification criteria established by the methods. An erroneous identification can be either a false-positive (reporting a target compound when it is not present in the sample) or false-negative (not reporting a compound that is present in the sample).

The samples identified in Table 1 were reviewed. Most compounds reported adhered to the specified identification criteria. Some sample results were reported as positive hits although the ion abundance ratio was not met. The associated results were qualified as the estimated maximum possible concentration. A summary of these qualified data is presented in Table 9.

14. Analyte Reporting

The laboratory reported detected results down to the laboratory's estimated detection limit (EDL) for each analyte. Positive analyte detections less than the reporting limit (RL) but greater than the EDL were reported as estimated (J) in Table 2 unless otherwise qualified in the Memorandum. Non-detect results were presented as non-detect at the estimated detection limit (EDL) in Table 2.

All results were reported on a dry weight basis.

Those sample results that exceeded the range of the calibration curve were qualified as estimated (J) as shown in Table 10.

Total Toxic Equivalent (TEQ) results are presented in Table 2. If any portion of the Total TEQ number was derived from qualified congener results, then the Total TEQ result for the associated sample was qualified as estimated (J).

15. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications herein.

Regards,

Marisa Oriaku
Data Management - Data Validator

Table 1

Sample Collection and Analysis Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

								Analysis/Parameters	
Sample Delivery Group	Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs)	Final Sample Depth (ft. bgs)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	PCDDs/PCDFs	Comments
320765761	11215702-072021-SS-SJSB072(8-10)	SJSB072	Soil	8	10	07/20/2021	09:20	X	
	11215702-072021-SS-SJSB072(10-12)	SJSB072	Soil	10	12	07/20/2021	09:25	X	
	11215702-072021-SS-SJSB072(12-14)	SJSB072	Soil	12	14	07/20/2021	09:30	X	
	11215702-072021-SS-SJSB072(14-16)	SJSB072	Soil	14	16	07/20/2021	09:35	X	
	11215702-072021-SS-SJSB072(16-18)	SJSB072	Soil	16	18	07/20/2021	09:40	X	
320765762	11215702-072021-SS-SJSB072(18-20)	SJSB072	Soil	18	20	07/20/2021	09:45	X	
	11215702-072021-SS-SJSB072(20-22)	SJSB072	Soil	20	22	07/20/2021	09:50	X	
	11215702-072021-SS-SJSB072(22-24)	SJSB072	Soil	22	24	07/20/2021	09:55	X	
320765764	11215702-072021-SS-SJSB072 (20-22)-R	SJSB072	Soil	20	22	07/20/2021	09:50	X	Lab Duplicate
320765761	11215702-072021-SS-SJSB073(0-2)	SJSB073	Soil	0	2	07/20/2021	15:00	X	
	11215702-072021-SS-SJSB073(2-4)	SJSB073	Soil	2	4	07/20/2021	15:10	X	
	11215702-072021-SS-SJSB073(4-6)	SJSB073	Soil	4	6	07/20/2021	15:15	X	
	11215702-072021-SS-SJSB073(6-8)	SJSB073	Soil	6	8	07/20/2021	15:20	X	
	11215702-072021-SS-SJSB073(8-10)	SJSB073	Soil	8	10	07/20/2021	15:25	X	MS/MSD
	11215702-072021-SS-SJSB073(10-12)	SJSB073	Soil	10	12	07/20/2021	15:30	X	
	11215702-072021-SS-SJSB073(12-14)	SJSB073	Soil	12	14	07/20/2021	15:35	X	
	11215702-072021-SS-SJSB073(14-16)	SJSB073	Soil	14	16	07/20/2021	15:40	X	
	11215702-072021-SS-SJSB073(16-18)	SJSB073	Soil	16	18	07/20/2021	15:45	X	
320767691	11215702-072221-SS-SJSB074(0-2)	SJSB074	Soil	0	2	07/22/2021	13:00	X	
	11215702-072221-SS-SJSB074(2-4)	SJSB074	Soil	2	4	07/22/2021	13:05	X	
	11215702-072221-DUP-5	SJSB074	Soil	2	4	07/22/2021	-	X	FD of 11215702-072221-SS-SJSB074 (2-4)
	11215702-072221-SS-SJSB074(4-6)	SJSB074	Soil	4	6	07/22/2021	13:10	X	
	11215702-072221-SS-SJSB074(6-8)	SJSB074	Soil	6	8	07/22/2021	13:15	X	
	11215702-072221-SS-SJSB074(8-10)	SJSB074	Soil	8	10	07/22/2021	13:20	X	
	11215702-072221-SS-SJSB074(10-12)	SJSB074	Soil	10	12	07/22/2021	13:25	X	
	11215702-072221-SS-SJSB074(12-14)	SJSB074	Soil	12	14	07/22/2021	13:30	X	
	11215702-072221-SS-SJSB074(14-16)	SJSB074	Soil	14	16	07/22/2021	13:35	X	
320767692	11215702-072221-SS-SJSB074(16-18)	SJSB074	Soil	16	18	07/22/2021	13:40	X	

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320765761	11215702-072021-SS-SJSB075(4-6)	SJSB075	Soil	4	6	07/20/2021	12:40	X	
	11215702-072021-SS-SJSB075(10-12)	SJSB075	Soil	10	12	07/20/2021	12:55	X	
	11215702-072021-SS-SJSB075(12-14)	SJSB075	Soil	12	14	07/20/2021	13:00	X	
	11215702-072021-SS-SJSB075(14-16)	SJSB075	Soil	14	16	07/20/2021	13:05	X	
	11215702-072021-SS-SJSB075(16-18)	SJSB075	Soil	16	18	07/20/2021	13:10	X	
320767691	11215702-072221-SS-SJSB076(0-2)	SJSB076	Soil	0	2	07/22/2021	15:50	X	MS/MSD
	11215702-072221-SS-SJSB076(2-4)	SJSB076	Soil	2	4	07/22/2021	15:55	X	
	11215702-072221-SS-SJSB076(4-6)	SJSB076	Soil	4	6	07/22/2021	16:00	X	
	11215702-072221-SS-SJSB076(6-8)	SJSB076	Soil	6	8	07/22/2021	16:05	X	
	11215702-072221-SS-SJSB076(8-10)	SJSB076	Soil	8	10	07/22/2021	16:10	X	
	11215702-072221-SS-SJSB076(10-12)	SJSB076	Soil	10	12	07/22/2021	16:15	X	
	11215702-072221-SS-SJSB076(12-14)	SJSB076	Soil	12	14	07/22/2021	16:20	X	
	11215702-072221-SS-SJSB076(14-16)	SJSB076	Soil	14	16	07/22/2021	16:25	X	
320767692	11215702-072221-SS-SJSB076(16-18)	SJSB076	Soil	16	18	07/22/2021	16:30	X	
320765764	11215702-072221-SS-SJSB076 (10-12)-R	SJSB076	Soil	10	12	07/22/2021	16:15	X	Lab Duplicate
320767241	11215702-072121-SS-SJSB077(6-8)	SJSB077	Soil	6	8	07/21/2021	15:20	X	
	11215702-072121-DUP-3	SJSB077	Soil	6	8	07/21/2021	-	X	FD of 11215702-072121-SS-SJSB077 (6-8)
	11215702-072121-SS-SJSB077(8-10)	SJSB077	Soil	8	10	07/21/2021	15:25	X	
	11215702-072121-SS-SJSB077(10-12)	SJSB077	Soil	10	12	07/21/2021	15:30	X	
	11215702-072121-SS-SJSB077(12-14)	SJSB077	Soil	12	14	07/21/2021	15:35	X	
	11215702-072121-SS-SJSB077(14-16)	SJSB077	Soil	14	16	07/21/2021	15:40	X	
320767242	11215702-072121-SS-SJSB077(16-18)	SJSB077	Soil	16	18	07/21/2021	15:45	X	
320765764	11215702-072121-SS-SJSB077 (10-12)-R	SJSB077	Soil	10	12	07/21/2021	15:30	X	Lab Duplicate
	11215702-072121-SS-SJSB077 (12-14)-R	SJSB077	Soil	12	14	07/21/2021	15:35	X	Lab Duplicate
	11215702-072121-SS-SJSB077 (14-16)-R	SJSB077	Soil	14	16	07/21/2021	15:40	X	Lab Duplicate

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320767241	11215702-072121-SS-SJSB078(0-2)	SJSB078	Soil	0	2	07/21/2021	08:55	X	
	11215702-072121-SS-SJSB078(2-4)	SJSB078	Soil	2	4	07/21/2021	09:00	X	MS/MSD
	11215702-072121-SS-SJSB078(4-6)	SJSB078	Soil	4	6	07/21/2021	09:05	X	
	11215702-072121-SS-SJSB078(6-8)	SJSB078	Soil	6	8	07/21/2021	09:10	X	
	11215702-072121-SS-SJSB078(8-10)	SJSB078	Soil	8	10	07/21/2021	09:15	X	
	11215702-072121-SS-SJSB078(10-12)	SJSB078	Soil	10	12	07/21/2021	09:20	X	
	11215702-072121-SS-SJSB078(12-14)	SJSB078	Soil	12	14	07/21/2021	09:25	X	
	11215702-072121-SS-SJSB078(14-16)	SJSB078	Soil	14	16	07/21/2021	09:30	X	
	11215702-072121-DUP-2	SJSB078	Soil	14	16	07/21/2021	-	X	FD of 11215702-072121-SS-SJSB078 (14-16)
320767242	11215702-072121-SS-SJSB078(16-18)	SJSB078	Soil	16	18	07/21/2021	09:35	X	
320767243	11215702-072121-SS-SJSB078(18-20)	SJSB078	Soil	18	20	07/21/2021	09:40	X	
	11215702-072121-SS-SJSB078(20-22)	SJSB078	Soil	20	22	07/21/2021	09:45	X	
	11215702-072121-SS-SJSB078(22-24)	SJSB078	Soil	22	24	07/21/2021	09:50	X	
320765764	11215702-072121-SS-SJSB078 (6-8)-R	SJSB078	Soil	6	8	07/21/2021	09:10	X	Lab Duplicate
	11215702-072121-SS-SJSB078 (8-10)-R	SJSB078	Soil	8	10	07/21/2021	09:15	X	Lab Duplicate
	11215702-072121-SS-SJSB078 (10-12)-R	SJSB078	Soil	10	12	07/21/2021	09:20	X	Lab Duplicate
	11215702-072121-SS-SJSB078 (16-18)-R	SJSB078	Soil	16	18	07/21/2021	09:35	X	Lab Duplicate
	11215702-072121-SS-SJSB078 (20-22)-R	SJSB078	Soil	20	22	07/21/2021	09:45	X	Lab Duplicate
320767641	11215702-072521-SS-SJSB079(0-2)	SJSB079	Soil	0	2	07/25/2021	12:50	X	
	11215702-072521-SS-SJSB079(2-4)	SJSB079	Soil	2	4	07/25/2021	12:55	X	
	11215702-072521-SS-SJSB079(4-6)	SJSB079	Soil	4	6	07/25/2021	13:00	X	
	11215702-072521-SS-SJSB079(6-8)	SJSB079	Soil	6	8	07/25/2021	13:05	X	
	11215702-072521-SS-SJSB079(8-10)	SJSB079	Soil	8	10	07/25/2021	13:10	X	
	11215702-072521-DUP-7	SJSB079	Soil	8	10	07/25/2021	-	X	FD of 11215702-072521-SS-SJSB079 (8-10)
	11215702-072521-SS-SJSB079(10-12)	SJSB079	Soil	10	12	07/25/2021	13:15	X	
	11215702-072521-SS-SJSB079(12-14)	SJSB079	Soil	12	14	07/25/2021	13:20	X	
	11215702-072521-SS-SJSB079(14-16)	SJSB079	Soil	14	16	07/25/2021	13:25	X	
	11215702-072521-SS-SJSB079(16-18)	SJSB079	Soil	16	18	07/25/2021	13:30	X	

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320767691	11215702-072221-SS-SJSB080(0-2)	SJSB080	Soil	0	2	07/22/2021	08:40	X	MS/MSD
	11215702-072221-SS-SJSB080(2-4)	SJSB080	Soil	2	4	07/22/2021	08:45	X	
	11215702-072221-SS-SJSB080(4-6)	SJSB080	Soil	4	6	07/22/2021	08:50	X	
	11215702-072221-SS-SJSB080(6-8)	SJSB080	Soil	6	8	07/22/2021	08:55	X	
	11215702-072221-SS-SJSB080(8-10)	SJSB080	Soil	8	10	07/22/2021	09:00	X	
	11215702-072221-SS-SJSB080(10-12)	SJSB080	Soil	10	12	07/22/2021	09:05	X	
	11215702-072221-SS-SJSB080(12-14)	SJSB080	Soil	12	14	07/22/2021	09:10	X	
	11215702-072221-SS-SJSB080(14-16)	SJSB080	Soil	14	16	07/22/2021	09:15	X	
	11215702-072221-DUP-4	SJSB080	Soil	16	18	07/22/2021	-	X	FD of 11215702-072221-SS-SJSB080 (16-18)
320767692	11215702-072221-SS-SJSB080(16-18)	SJSB080	Soil	16	18	07/22/2021	09:20	X	
320774211	11215702-080521-BN-SJSB081(0-2)	SJSB081	Soil	0	2	08/05/2021	13:30	X	
	11215702-080521-BN-SJSB081(2-4)	SJSB081	Soil	2	4	08/05/2021	13:35	X	MS/MSD
	11215702-080521-BN-SJSB081(4-6)	SJSB081	Soil	4	6	08/05/2021	13:40	X	
	11215702-080521-BN-SJSB081(6-8)	SJSB081	Soil	6	8	08/05/2021	13:45	X	
	11215702-080521-BN-DUP-13	SJSB081	Soil	6	8	08/05/2021	-	X	FD of 11215702-080521-BN-SJSB081 (6-8)
	11215702-080521-BN-SJSB081(8-10)	SJSB081	Soil	8	10	08/05/2021	13:50	X	
	11215702-080521-BN-SJSB081(10-12)	SJSB081	Soil	10	12	08/05/2021	13:55	X	
	11215702-080521-BN-SJSB081(12-14)	SJSB081	Soil	12	14	08/05/2021	14:00	X	
	11215702-080521-BN-SJSB081(14-16)	SJSB081	Soil	14	16	08/05/2021	14:05	X	
320774212	11215702-080521-BN-SJSB081(16-18)	SJSB081	Soil	16	18	08/05/2021	14:10	X	
320765764	11215702-080521-BN-SJSB081 (8-10)-R	SJSB081	Soil	8	10	08/05/2021	13:50	X	Lab Duplicate
	11215702-080521-BN-SJSB081 (10-12)-R	SJSB081	Soil	10	12	08/05/2021	13:55	X	Lab Duplicate

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Sample Delivery Group	Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs)	Final Sample Depth (ft. bgs)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	PCDDs/PCDFs	Comments
320774771	11215702-080921-BN-SJSB082(0-2)	SJSB082	Soil	0	2	08/09/2021	15:20	X	
	11215702-080921-BN-SJSB082(2-4)	SJSB082	Soil	2	4	08/09/2021	15:25	X	MS/MSD
	11215702-080921-BN-SJSB082(4-6)	SJSB082	Soil	4	6	08/09/2021	15:30	X	
	11215702-080921-BN-SJSB082(6-8)	SJSB082	Soil	6	8	08/09/2021	15:35	X	
	11215702-080921-DUP-16	SJSB082	Soil	6	8	08/09/2021	-	X	FD of 11215702-080921-BN-SJSB082 (6-8)
	11215702-080921-BN-SJSB082(8-10)	SJSB082	Soil	8	10	08/09/2021	15:40	X	
	11215702-080921-BN-SJSB082(10-12)	SJSB082	Soil	10	12	08/09/2021	15:45	X	
	11215702-080921-BN-SJSB082(12-14)	SJSB082	Soil	12	14	08/09/2021	15:50	X	
	11215702-080921-BN-SJSB082(14-16)	SJSB082	Soil	14	16	08/09/2021	15:55	X	
320774772	11215702-080921-BN-SJSB082(16-18)	SJSB082	Soil	16	18	08/09/2021	16:00	X	
320765764	11215702-080921-BN-SJSB082 (8-10)-R	SJSB082	Soil	8	10	08/09/2021	15:40	X	Lab Duplicate
320767201	11215702-072221-BN-SJSB083(0-2)	SJSB083	Soil	0	2	07/22/2021	11:15	X	
	11215702-072221-BN-SJSB083(2-4)	SJSB083	Soil	2	4	07/22/2021	11:20	X	
	11215702-072221-BN-SJSB083(4-6)	SJSB083	Soil	4	6	07/22/2021	11:25	X	
	11215702-072221-BN-SJSB083(6-8)	SJSB083	Soil	6	8	07/22/2021	11:30	X	
	11215702-072221-BN-SJSB083(8-10)	SJSB083	Soil	8	10	07/22/2021	11:35	X	
	11215702-072221-BN-SJSB083(10-12)	SJSB083	Soil	10	12	07/22/2021	11:40	X	
	11215702-072221-BN-SJSB083(12-14)	SJSB083	Soil	12	14	07/22/2021	11:45	X	
	11215702-072221-BN-SJSB083(14-16)	SJSB083	Soil	14	16	07/22/2021	11:50	X	
320767202	11215702-072221-BN-SJSB083(16-18)	SJSB083	Soil	16	18	07/22/2021	11:55	X	
320767203	11215702-072221-BN-SJSB083(18-20)	SJSB083	Soil	18	20	07/22/2021	12:00	X	
320767081	11215702-072221-BN-SJSB083(8-10)-WC	SJSB083	Soil	8	10	07/22/2021	11:05	X	Waste Characterization
	11215702-072221-BN-SJSB083(10-12)-WC	SJSB083	Soil	10	12	07/22/2021	11:10	X	Waste Characterization

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320765711	11215702-072021-BN-SJSB084(0-2)	SJSB084	Soil	0	2	07/20/2021	16:00	X	
	11215702-072021-BN-SJSB084(2-4)	SJSB084	Soil	2	4	07/20/2021	16:05	X	
	11215702-072021-BN-SJSB084(4-6)	SJSB084	Soil	4	6	07/20/2021	16:10	X	
	11215702-072021-BN-SJSB084(6-8)	SJSB084	Soil	6	8	07/20/2021	16:15	X	
	11215702-072021-BN-SJSB084(8-10)	SJSB084	Soil	8	10	07/20/2021	16:20	X	
	11215702-072021-BN-SJSB084(10-12)	SJSB084	Soil	10	12	07/20/2021	16:25	X	
	11215702-072021-BN-SJSB084(12-14)	SJSB084	Soil	12	14	07/20/2021	16:30	X	
	11215702-072021-BN-SJSB084(14-16)	SJSB084	Soil	14	16	07/20/2021	16:35	X	
	11215702-072021-BN-SJSB084(16-18)	SJSB084	Soil	16	18	07/20/2021	16:40	X	
320767881	11215702-072321-BN-SJSB085(0-2)	SJSB085	Soil	0	2	07/23/2021	11:00	X	
	11215702-072321-BN-SJSB085(2-4)	SJSB085	Soil	2	4	07/23/2021	11:05	X	
	11215702-072321-BN-SJSB085(4-6)	SJSB085	Soil	4	6	07/23/2021	11:10	X	
	11215702-072321-BN-SJSB085(6-8)	SJSB085	Soil	6	8	07/23/2021	11:15	X	
	11215702-072321-BN-SJSB085(8-10)	SJSB085	Soil	8	10	07/23/2021	11:20	X	
	11215702-072321-BN-SJSB085(10-12)	SJSB085	Soil	10	12	07/23/2021	11:25	X	
	11215702-072321-BN-SJSB085(12-14)	SJSB085	Soil	12	14	07/23/2021	11:30	X	
	11215702-072321-BN-SJSB085(14-16)	SJSB085	Soil	14	16	07/23/2021	11:35	X	
320767882	11215702-072321-BN-SJSB085(16-18)	SJSB085	Soil	16	18	07/23/2021	11:40	X	
320765764	11215702-072321-BN-SJSB085 (6-8)-R	SJSB085	Soil	6	8	07/23/2021	11:15	X	Lab Duplicate
320773151	11215702-080421-BN-SJSB086(0-2)	SJSB086	Soil	0	2	08/04/2021	13:15	X	
	11215702-080421-BN-SJSB086(2-4)	SJSB086	Soil	2	4	08/04/2021	13:20	X	MS/MSD
	11215702-080421-BN-SJSB086(4-6)	SJSB086	Soil	4	6	08/04/2021	13:25	X	
	11215702-080421-BN-SJSB086(6-8)	SJSB086	Soil	6	8	08/04/2021	13:30	X	
	11215702-080421-BN-DUP-12	SJSB086	Soil	6	8	08/04/2021	-	X	FD of 11215702-080421-BN-SJSB086 (6-8)
	11215702-080421-BN-SJSB086(8-10)	SJSB086	Soil	8	10	08/04/2021	13:35	X	
	11215702-080421-BN-SJSB086(10-12)	SJSB086	Soil	10	12	08/04/2021	13:40	X	
	11215702-080421-BN-SJSB086(12-14)	SJSB086	Soil	12	14	08/04/2021	13:45	X	
	11215702-080421-BN-SJSB086(14-16)	SJSB086	Soil	14	16	08/04/2021	13:50	X	
320773152	11215702-080421-BN-SJSB086(16-18)	SJSB086	Soil	16	18	08/04/2021	13:55	X	

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320775731	11215702-081021-BN-SJSB087(0-2)	SJSB087	Soil	0	2	08/10/2021	15:00	X	
	11215702-081021-BN-SJSB087(2-4)	SJSB087	Soil	2	4	08/10/2021	15:05	X	MS/MSD
	11215702-081021-BN-SJSB087(4-6)	SJSB087	Soil	4	6	08/10/2021	15:10	X	
	11215702-081021-BN-SJSB087(6-8)	SJSB087	Soil	6	8	08/10/2021	15:15	X	
	11215702-081021-BN-DUP-17	SJSB087	Soil	6	8	08/10/2021	-	X	FD of 11215702-081021-BN-SJSB087 (6-8)
	11215702-081021-BN-SJSB087(8-10)	SJSB087	Soil	8	10	08/10/2021	15:20	X	
	11215702-081021-BN-SJSB087(10-12)	SJSB087	Soil	10	12	08/10/2021	15:25	X	
	11215702-081021-BN-SJSB087(12-14)	SJSB087	Soil	12	14	08/10/2021	15:30	X	
	11215702-081021-BN-SJSB087(14-16)	SJSB087	Soil	14	16	08/10/2021	15:35	X	
320775732	11215702-081021-BN-SJSB087(16-18)	SJSB087	Soil	16	18	08/10/2021	15:40	X	
320765764	11215702-081021-BN-SJSB087 (12-14)-R	SJSB087	Soil	12	14	08/10/2021	15:30	X	Lab Duplicate
	11215702-081021-BN-SJSB087 (14-16)-R	SJSB087	Soil	14	16	08/10/2021	15:35	X	Lab Duplicate
320774281	11215702-080621-BN-SJSB088(0-2)	SJSB088	Soil	0	2	08/06/2021	13:40	X	
	11215702-080621-BN-SJSB088(2-4)	SJSB088	Soil	2	4	08/06/2021	13:45	X	MS/MSD
	11215702-080621-BN-SJSB088(4-6)	SJSB088	Soil	4	6	08/06/2021	13:50	X	
	11215702-080621-BN-SJSB088(6-8)	SJSB088	Soil	6	8	08/06/2021	13:55	X	
	11215702-080621-BN-DUP-14	SJSB088	Soil	6	8	08/06/2021	-	X	FD of 11215702-080621-BN-SJSB088 (6-8)
	11215702-080621-BN-SJSB088(8-10)	SJSB088	Soil	8	10	08/06/2021	14:00	X	
	11215702-080621-BN-SJSB088(10-12)	SJSB088	Soil	10	12	08/06/2021	14:05	X	
	11215702-080621-BN-SJSB088(12-14)	SJSB088	Soil	12	14	08/06/2021	14:10	X	
	11215702-080621-BN-SJSB088(14-16)	SJSB088	Soil	14	16	08/06/2021	14:15	X	
320774282	11215702-080621-BN-SJSB088(16-18)	SJSB088	Soil	16	18	08/06/2021	14:20	X	
320774283	11215702-080621-BN-SJSB088(18-20)	SJSB088	Soil	18	20	08/06/2021	14:25	X	
	11215702-080621-BN-SJSB088(20-22)	SJSB088	Soil	20	22	08/06/2021	14:30	X	
	11215702-080621-BN-SJSB088(22-24)	SJSB088	Soil	22	24	08/06/2021	14:35	X	
320765764	11215702-080621-BN-SJSB088 (6-8)-R	SJSB088	Soil	6	8	08/06/2021	13:55	X	Lab Duplicate
	11215702-080621-BN-SJSB088 (16-18)-R	SJSB088	Soil	16	18	08/06/2021	14:20	X	Lab Duplicate

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320774241	11215702-080721-BN-SJSB089(0-2)	SJSB089	Soil	0	2	08/07/2021	14:45	X	
	11215702-080721-BN-SJSB089(2-4)	SJSB089	Soil	2	4	08/07/2021	14:50	X	MS/MSD
	11215702-080721-BN-SJSB089(4-6)	SJSB089	Soil	4	6	08/07/2021	14:55	X	
	11215702-080721-BN-SJSB089(6-8)	SJSB089	Soil	6	8	08/07/2021	15:00	X	
	11215702-080721-BN-DUP-19	SJSB089	Soil	6	8	08/07/2021	-	X	FD of 11215702-080721-BN-SJSB089 (6-8)
	11215702-080721-BN-SJSB089(8-10)	SJSB089	Soil	8	10	08/07/2021	15:05	X	
	11215702-080721-BN-SJSB089(10-12)	SJSB089	Soil	10	12	08/07/2021	15:10	X	
	11215702-080721-BN-SJSB089(12-14)	SJSB089	Soil	12	14	08/07/2021	15:15	X	
	11215702-080721-BN-SJSB089(14-16)	SJSB089	Soil	14	16	08/07/2021	15:20	X	
320774242	11215702-080721-BN-SJSB089(16-18)	SJSB089	Soil	16	18	08/07/2021	15:25	X	
320765764	11215702-080721-BN-DUP-19-R	SJSB089	Soil	6	8	08/07/2021	-	X	Lab Duplicate
	11215702-080721-BN-SJSB089 (8-10)-R	SJSB089	Soil	8	10	08/07/2021	15:05	X	Lab Duplicate
	11215702-080721-BN-SJSB089 (10-12)-R	SJSB089	Soil	10	12	08/07/2021	15:10	X	Lab Duplicate
320772141	11215702-080221-BN-SJSB090(0-2)	SJSB090	Soil	0	2	08/02/2021	13:10	X	
	11215702-080221-BN-SJSB090(2-4)	SJSB090	Soil	2	4	08/02/2021	13:15	X	MS/MSD
	11215702-080221-BN-SJSB090(4-6)	SJSB090	Soil	4	6	08/02/2021	13:20	X	
	11215702-080221-BN-SJSB090(6-8)	SJSB090	Soil	6	8	08/02/2021	13:25	X	
	11215702-080221-BN-DUP-11	SJSB090	Soil	6	8	08/02/2021	-	X	FD of 11215702-080221-BN-SJSB090 (6-8)
	11215702-080221-BN-SJSB090(8-10)	SJSB090	Soil	8	10	08/02/2021	13:30	X	
	11215702-080221-BN-SJSB090(10-12)	SJSB090	Soil	10	12	08/02/2021	13:35	X	
	11215702-080221-BN-SJSB090(12-14)	SJSB090	Soil	12	14	08/02/2021	13:40	X	
	11215702-080221-BN-SJSB090(14-16)	SJSB090	Soil	14	16	08/02/2021	13:45	X	
320772142	11215702-080221-BN-SJSB090(16-18)	SJSB090	Soil	16	18	08/02/2021	13:50	X	
320765764	11215702-080221-BN-SJSB090 (8-10)-R	SJSB090	Soil	8	10	08/02/2021	13:30	X	Lab Duplicate

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320772921	11215702-080321-BN-SJSB091(0-2)	SJSB091	Soil	0	2	08/03/2021	13:30	X	
	11215702-080321-BN-SJSB091(2-4)	SJSB091	Soil	2	4	08/03/2021	13:35	X	MS/MSD
	11215702-080321-BN-SJSB091(4-6)	SJSB091	Soil	4	6	08/03/2021	13:40	X	
	11215702-080321-BN-SJSB091(6-8)	SJSB091	Soil	6	8	08/03/2021	13:45	X	
	11215702-080321-BN-DUP-18	SJSB091	Soil	6	8	08/03/2021	-	X	FD of 11215702-080321-BN-SJSB091 (6-8)
	11215702-080321-BN-SJSB091(8-10)	SJSB091	Soil	8	10	08/03/2021	13:50	X	
	11215702-080321-BN-SJSB091(10-12)	SJSB091	Soil	10	12	08/03/2021	13:55	X	
	11215702-080321-BN-SJSB091(12-14)	SJSB091	Soil	12	14	08/03/2021	14:00	X	
	11215702-080321-BN-SJSB091(14-16)	SJSB091	Soil	14	16	08/03/2021	14:05	X	
320772922	11215702-080321-BN-SJSB091(16-18)	SJSB091	Soil	16	18	08/03/2021	14:10	X	
320767651	11215702-072521-BN-SJSB092(0-2)	SJSB092	Soil	0	2	07/25/2021	14:00	X	
	11215702-072521-BN-SJSB092(2-4)	SJSB092	Soil	2	4	07/25/2021	14:05	X	
	11215702-072521-BN-SJSB092(4-6)	SJSB092	Soil	4	6	07/25/2021	14:10	X	
	11215702-072521-BN-SJSB092(6-8)	SJSB092	Soil	6	8	07/25/2021	14:15	X	
	11215702-072521-BN-SJSB092(8-10)	SJSB092	Soil	8	10	07/25/2021	14:20	X	
	11215702-072521-BN-SJSB092(10-12)	SJSB092	Soil	10	12	07/25/2021	14:25	X	
	11215702-072521-BN-SJSB092(12-14)	SJSB092	Soil	12	14	07/25/2021	14:30	X	
	11215702-072521-BN-SJSB092(14-16)	SJSB092	Soil	14	16	07/25/2021	14:35	X	
320767652	11215702-072521-BN-SJSB092(16-18)	SJSB092	Soil	16	18	07/25/2021	14:40	X	
320780921	11215702-082421-BN-SJSB093(0-2)	SJSB093	Soil	0	2	08/24/2021	15:30	X	
	11215702-082421-BN-SJSB093(2-4)	SJSB093	Soil	2	4	08/24/2021	15:35	X	
	11215702-082421-BN-SJSB093(4-6)	SJSB093	Soil	4	6	08/24/2021	15:40	X	
	11215702-082421-BN-SJSB093(6-8)	SJSB093	Soil	6	8	08/24/2021	15:45	X	
	11215702-082421-BN-SJSB093(8-10)	SJSB093	Soil	8	10	08/24/2021	15:50	X	
	11215702-082421-BN-SJSB093(10-12)	SJSB093	Soil	10	12	08/24/2021	15:55	X	
	11215702-082421-BN-SJSB093(12-14)	SJSB093	Soil	12	14	08/24/2021	16:00	X	
	11215702-082421-BN-SJSB093(14-16)	SJSB093	Soil	14	16	08/24/2021	16:05	X	
320780922	11215702-082421-BN-SJSB093(16-18)	SJSB093	Soil	16	18	08/24/2021	16:10	X	

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320768881	11215702-072621-BN-SJSB094(0-2)	SJSB094	Soil	0	2	07/26/2021	14:00	X	MS/MSD
	11215702-072621-BN-SJSB094(2-4)	SJSB094	Soil	2	4	07/26/2021	14:05	X	
	11215702-072621-BN-SJSB094(4-6)	SJSB094	Soil	4	6	07/26/2021	14:10	X	
	11215702-072621-BN-SJSB094(6-8)	SJSB094	Soil	6	8	07/26/2021	14:15	X	
	11215702-072621-BN-DUP-8	SJSB094	Soil	6	8	07/26/2021	-	X	FD of 11215702-072621-BN-SJSB094 (6-8)
	11215702-072621-BN-SJSB094(8-10)	SJSB094	Soil	8	10	07/26/2021	14:20	X	
	11215702-072621-BN-SJSB094(10-12)	SJSB094	Soil	10	12	07/26/2021	14:25	X	
	11215702-072621-BN-SJSB094(12-14)	SJSB094	Soil	12	14	07/26/2021	14:30	X	
	11215702-072621-BN-SJSB094(14-16)	SJSB094	Soil	14	16	07/26/2021	14:35	X	
320768882	11215702-072621-BN-SJSB094(16-18)	SJSB094	Soil	16	18	07/26/2021	14:40	X	
320765764	11215702-072621-BN-SJSB094 (6-8)-R	SJSB094	Soil	6	8	07/26/2021	14:15	X	Lab Duplicate
	11215702-072621-BN-DUP-8-R	SJSB094	Soil	6	8	07/26/2021	-	X	Lab Duplicate
320769011	11215702-072821-BN-SJSB095(0-2)	SJSB095	Soil	0	2	07/28/2021	11:00	X	
	11215702-072821-BN-SJSB095(2-4)	SJSB095	Soil	2	4	07/28/2021	11:05	X	MS/MSD
	11215702-072821-BN-SJSB095(4-6)	SJSB095	Soil	4	6	07/28/2021	11:10	X	
	11215702-072821-BN-SJSB095(6-8)	SJSB095	Soil	6	8	07/28/2021	11:15	X	
	11215702-072821-BN-DUP-10	SJSB095	Soil	6	8	07/28/2021	-	X	FD of 11215702-072821-BN-SJSB095 (6-8)
	11215702-072821-BN-SJSB095(8-10)	SJSB095	Soil	8	10	07/28/2021	11:20	X	
	11215702-072821-BN-SJSB095(10-12)	SJSB095	Soil	10	12	07/28/2021	11:25	X	
	11215702-072821-BN-SJSB095(12-14)	SJSB095	Soil	12	14	07/28/2021	11:30	X	
	11215702-072821-BN-SJSB095(14-16)	SJSB095	Soil	14	16	07/28/2021	11:35	X	
320769012	11215702-072821-BN-SJSB095(16-18)	SJSB095	Soil	16	18	07/28/2021	11:40	X	
320765764	11215702-072821-BN-SJSB095 (8-10)-R	SJSB095	Soil	8	10	07/28/2021	11:20	X	Lab Duplicate
	11215702-072821-BN-SJSB095 (10-12)-R	SJSB095	Soil	10	12	07/28/2021	11:25	X	Lab Duplicate
	11215702-072821-BN-SJSB095 (14-16)-R	SJSB095	Soil	14	16	07/28/2021	11:35	X	Lab Duplicate
320768871	11215702-072721-BN-SJSB096(0-2)	SJSB096	Soil	0	2	07/27/2021	12:45	X	
	11215702-072721-BN-SJSB096(2-4)	SJSB096	Soil	2	4	07/27/2021	12:50	X	MS/MSD
	11215702-072721-BN-SJSB096(4-6)	SJSB096	Soil	4	6	07/27/2021	12:55	X	
	11215702-072721-BN-SJSB096(6-8)	SJSB096	Soil	6	8	07/27/2021	13:00	X	
	11215702-072721-BN-DUP-9	SJSB096	Soil	6	8	07/27/2021	-	X	FD of 11215702-072721-BN-SJSB096 (6-8)
	11215702-072721-BN-SJSB096(8-10)	SJSB096	Soil	8	10	07/27/2021	13:05	X	
	11215702-072721-BN-SJSB096(10-12)	SJSB096	Soil	10	12	07/27/2021	13:10	X	
	11215702-072721-BN-SJSB096(12-14)	SJSB096	Soil	12	14	07/27/2021	13:15	X	
	11215702-072721-BN-SJSB096(14-16)	SJSB096	Soil	14	16	07/27/2021	13:20	X	

Table 1

Sample Collection and Analysis Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

								Analysis/Parameters	
Sample Delivery Group	Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs)	Final Sample Depth (ft. bgs)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	PCDDs/PCDFs	Comments
320768872	11215702-072721-BN-SJSB096(16-18)	SJSB096	Soil	16	18	07/27/2021	13:25	X	
320765764	11215702-072721-BN-SJSB096 (8-10)-R	SJSB096	Soil	8	10	07/27/2021	13:05	X	Lab Duplicate
	11215702-072721-BN-SJSB096 (10-12)-R	SJSB096	Soil	10	12	07/27/2021	13:10	X	Lab Duplicate
320779561	11215702-082221-BN-SJSB097(0-2)	SJSB097	Soil	0	2	08/22/2021	13:30	X	
	11215702-082221-BN-SJSB097(2-4)	SJSB097	Soil	2	4	08/22/2021	13:35	X	MS/MSD
	11215702-082221-BN-SJSB097(4-6)	SJSB097	Soil	4	6	08/22/2021	13:40	X	
	11215702-082221-BN-SJSB097(6-8)	SJSB097	Soil	6	8	08/22/2021	13:45	X	
	11215702-082221-BN-DUP-20	SJSB097	Soil	6	8	08/22/2021	-	X	FD of 11215702-082221-BN-SJSB097 (6-8)
	11215702-082221-BN-SJSB097(8-10)	SJSB097	Soil	8	10	08/22/2021	13:50	X	
	11215702-082221-BN-SJSB097(10-12)	SJSB097	Soil	10	12	08/22/2021	13:55	X	
	11215702-082221-BN-SJSB097(12-14)	SJSB097	Soil	12	14	08/22/2021	14:00	X	
	11215702-082221-BN-SJSB097(14-16)	SJSB097	Soil	14	16	08/22/2021	14:05	X	
320779541	11215702-082021-BN-SJSB098(0-2)	SJSB098	Soil	0	2	08/20/2021	14:35	X	
	11215702-082021-BN-SJSB098(2-4)	SJSB098	Soil	2	4	08/20/2021	14:40	X	
	11215702-082021-BN-SJSB098(4-6)	SJSB098	Soil	4	6	08/20/2021	14:45	X	
	11215702-082021-BN-SJSB098(6-8)	SJSB098	Soil	6	8	08/20/2021	14:50	X	
	11215702-082021-BN-SJSB098(8-10)	SJSB098	Soil	8	10	08/20/2021	14:55	X	
	11215702-082021-BN-SJSB098(10-12)	SJSB098	Soil	10	12	08/20/2021	15:00	X	
	11215702-082021-BN-SJSB098(12-14)	SJSB098	Soil	12	14	08/20/2021	15:05	X	
	11215702-082021-BN-SJSB098(14-16)	SJSB098	Soil	14	16	08/20/2021	15:10	X	
320779542	11215702-082021-BN-SJSB098(16-18)	SJSB098	Soil	16	18	08/20/2021	15:15	X	
320767641	11215702-072421-SS-SJSB099(0-2)	SJSB099	Soil	0	2	07/24/2021	09:55	X	
	11215702-072421-SS-SJSB099(2-4)	SJSB099	Soil	2	4	07/24/2021	10:00	X	MS/MSD
	11215702-072421-SS-SJSB099(4-6)	SJSB099	Soil	4	6	07/24/2021	09:05	X	
	11215702-072421-SS-SJSB099(6-8)	SJSB099	Soil	6	8	07/24/2021	09:10	X	
	11215702-072421-SS-SJSB099(8-10)	SJSB099	Soil	8	10	07/24/2021	09:15	X	
	11215702-072421-SS-SJSB099(10-12)	SJSB099	Soil	10	12	07/24/2021	09:20	X	
	11215702-072421-SS-SJSB099(12-14)	SJSB099	Soil	12	14	07/24/2021	09:25	X	
	11215702-072421-SS-SJSB099(14-16)	SJSB099	Soil	14	16	07/24/2021	09:30	X	
	11215702-072421-SS-SJSB099(16-18)	SJSB099	Soil	16	18	07/24/2021	09:35	X	
	11215702-072421-DUP-6	SJSB099	Soil	16	18	07/24/2021	-	X	FD of 11215702-072421-SS-SJSB099 (16-18)
320765764	11215702-072421-SS-SJSB099 (10-12)-R	SJSB099	Soil	10	12	07/24/2021	09:20	X	Lab Duplicate

Table 1

Sample Collection and Analysis Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

								Analysis/Parameters	
Sample Delivery Group	Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs)	Final Sample Depth (ft. bgs)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	PCDDs/PCDFs	Comments
320780141	11215702-082321-BN-SJSB100(0-2)	SJSB100	Soil	0	2	08/23/2021	14:20	X	
	11215702-082321-BN-SJSB100(2-4)	SJSB100	Soil	2	4	08/23/2021	14:25	X	
	11215702-082321-BN-SJSB100(4-6)	SJSB100	Soil	4	6	08/23/2021	14:30	X	
	11215702-082321-BN-SJSB100(6-8)	SJSB100	Soil	6	8	08/23/2021	14:35	X	
	11215702-082321-BN-SJSB100(8-10)	SJSB100	Soil	8	10	08/23/2021	14:40	X	
	11215702-082321-BN-SJSB100(10-12)	SJSB100	Soil	10	12	08/23/2021	14:45	X	
	11215702-082321-BN-SJSB100(12-14)	SJSB100	Soil	12	14	08/23/2021	14:50	X	
	11215702-082321-BN-SJSB100(14-16)	SJSB100	Soil	14	16	08/23/2021	14:55	X	
320767641	11215702-072521-SS-SJSB101(0-2)	SJSB101	Soil	0	2	07/25/2021	09:00	X	
	11215702-072521-SS-SJSB101(2-4)	SJSB101	Soil	2	4	07/25/2021	09:05	X	MS/MSD
	11215702-072521-SS-SJSB101(4-6)	SJSB101	Soil	4	6	07/25/2021	09:10	X	
	11215702-072521-SS-SJSB101(6-8)	SJSB101	Soil	6	8	07/25/2021	09:15	X	
	11215702-072521-SS-SJSB101(8-10)	SJSB101	Soil	8	10	07/25/2021	09:20	X	
	11215702-072521-SS-SJSB101(10-12)	SJSB101	Soil	10	12	07/25/2021	09:25	X	
	11215702-072521-SS-SJSB101(12-14)	SJSB101	Soil	12	14	07/25/2021	09:30	X	
	11215702-072521-SS-SJSB101(14-16)	SJSB101	Soil	14	16	07/25/2021	09:35	X	
	11215702-072521-SS-SJSB101(16-18)	SJSB101	Soil	16	18	07/25/2021	09:40	X	
320767642	11215702-072521-SS-SJSB101(18-20)	SJSB101	Soil	18	20	07/25/2021	09:45	X	
320765764	11215702-072521-SS-SJSB101 (10-12)-R	SJSB101	Soil	10	12	07/25/2021	09:25	X	Lab Duplicate
320767601	11215702-072521-SS-SJSB101(0-2)-WC	SJSB101	Soil	0	2	07/25/2021	10:00	X	Waste Characterization
	11215702-072521-SS-SJSB101(2-4)-WC	SJSB101	Soil	2	4	07/25/2021	10:05	X	Waste Characterization

Table 1

Sample Collection and Analysis Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

								Analysis/Parameters	
Sample Delivery Group	Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs)	Final Sample Depth (ft. bgs)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	PCDDs/PCDFs	Comments
320779531	11215702-081921-BN-SJSB102(0-2)	SJSB102	Soil	0	2	08/19/2021	15:00	X	
	11215702-081921-BN-SJSB102(2-4)	SJSB102	Soil	2	4	08/19/2021	15:05	X	
	11215702-081921-BN-SJSB102(4-6)	SJSB102	Soil	4	6	08/19/2021	15:10	X	
	11215702-081921-BN-SJSB102(6-8)	SJSB102	Soil	6	8	08/19/2021	15:15	X	
	11215702-081921-BN-SJSB102(8-10)	SJSB102	Soil	8	10	08/19/2021	15:20	X	
	11215702-081921-BN-SJSB102(10-12)	SJSB102	Soil	10	12	08/19/2021	15:25	X	
	11215702-081921-BN-SJSB102(12-14)	SJSB102	Soil	12	14	08/19/2021	15:30	X	
	11215702-081921-BN-SJSB102(14-16)	SJSB102	Soil	14	16	08/19/2021	15:35	X	
320779532	11215702-081921-BN-SJSB102(16-18)	SJSB102	Soil	16	18	08/19/2021	15:40	X	
320779533	11215702-081921-BN-SJSB102(18-20)	SJSB102	Soil	18	20	08/19/2021	15:45	X	
	11215702-081921-BN-SJSB102(20-22)	SJSB102	Soil	20	22	08/19/2021	15:50	X	
	11215702-081921-BN-SJSB102(22-24)	SJSB102	Soil	22	24	08/19/2021	15:55	X	
320765764	11215702-081921-BN-SJSB102 (12-14)-R	SJSB102	Soil	12	14	08/19/2021	15:30	X	Lab Duplicate
	11215702-081921-BN-SJSB102 (16-18)-R	SJSB102	Soil	16	18	08/19/2021	15:40	X	Lab Duplicate
320779551	11215702-082121-BN-SJSB103(0-2)	SJSB103	Soil	0	2	08/21/2021	13:45	X	
	11215702-082121-BN-SJSB103(2-4)	SJSB103	Soil	2	4	08/21/2021	13:50	X	
	11215702-082121-BN-SJSB103(4-6)	SJSB103	Soil	4	6	08/21/2021	13:55	X	
	11215702-082121-BN-SJSB103(6-8)	SJSB103	Soil	6	8	08/21/2021	14:00	X	
	11215702-082121-BN-SJSB103(8-10)	SJSB103	Soil	8	10	08/21/2021	14:05	X	
	11215702-082121-BN-SJSB103(10-12)	SJSB103	Soil	10	12	08/21/2021	14:10	X	
	11215702-082121-BN-SJSB103(12-14)	SJSB103	Soil	12	14	08/21/2021	14:15	X	
320767651	11215702-072421-BN-SJSB104(0-2)	SJSB104	Soil	0	2	07/24/2021	15:30	X	
	11215702-072421-BN-SJSB104(2-4)	SJSB104	Soil	2	4	07/24/2021	15:35	X	
	11215702-072421-BN-SJSB104(4-6)	SJSB104	Soil	4	6	07/24/2021	15:40	X	
	11215702-072421-BN-SJSB104(6-8)	SJSB104	Soil	6	8	07/24/2021	15:45	X	
	11215702-072421-BN-SJSB104(8-10)	SJSB104	Soil	8	10	07/24/2021	15:50	X	
	11215702-072421-BN-SJSB104(10-12)	SJSB104	Soil	10	12	07/24/2021	15:55	X	
	11215702-072421-BN-SJSB104(12-14)	SJSB104	Soil	12	14	07/24/2021	16:00	X	
	11215702-072421-BN-SJSB104(14-16)	SJSB104	Soil	14	16	07/24/2021	16:05	X	
320767652	11215702-072421-BN-SJSB104(16-18)	SJSB104	Soil	16	18	07/24/2021	16:10	X	

Table 1

Sample Collection and Analysis Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

								Analysis/Parameters	
Sample Delivery Group	Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs)	Final Sample Depth (ft. bgs)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	PCDDs/PCDFs	Comments
320767881	11215702-072321-BN-SJSB105(0-2)	SJSB105	Soil	0	2	07/23/2021	15:30	X	
	11215702-072321-BN-SJSB105(2-4)	SJSB105	Soil	2	4	07/23/2021	15:35	X	
	11215702-072321-BN-SJSB105(4-6)	SJSB105	Soil	4	6	07/23/2021	15:40	X	
	11215702-072321-BN-SJSB105(6-8)	SJSB105	Soil	6	8	07/23/2021	15:45	X	
	11215702-072321-BN-SJSB105(8-10)	SJSB105	Soil	8	10	07/23/2021	15:50	X	
	11215702-072321-BN-SJSB105(10-12)	SJSB105	Soil	10	12	07/23/2021	15:55	X	
	11215702-072321-BN-SJSB105(12-14)	SJSB105	Soil	12	14	07/23/2021	16:00	X	
	11215702-072321-BN-SJSB105(14-16)	SJSB105	Soil	14	16	07/23/2021	16:05	X	
320767882	11215702-072321-BN-SJSB105(16-18)	SJSB105	Soil	16	18	07/23/2021	16:10	X	
320765764	11215702-072321-BN-SJSB105 (12-14)-R	SJSB105	Soil	12	14	07/23/2021	16:00	X	Lab Duplicate
	11215702-072321-BN-SJSB105 (14-16)-R	SJSB105	Soil	14	16	07/23/2021	16:05	X	Lab Duplicate
320774331	11215702-080821-BN-SJSB106(0-2)	SJSB106	Soil	0	2	08/08/2021	14:30	X	
	11215702-080821-BN-SJSB106(2-4)	SJSB106	Soil	2	4	08/08/2021	14:35	X	MS/MSD
	11215702-080821-BN-SJSB106(4-6)	SJSB106	Soil	4	6	08/08/2021	14:40	X	
	11215702-080821-BN-SJSB106(6-8)	SJSB106	Soil	6	8	08/08/2021	14:45	X	
	11215702-080821-BN-DUP-15	SJSB106	Soil	6	8	08/08/2021	-	X	FD of 11215702-080821-BN-SJSB106 (6-8)
	11215702-080821-BN-SJSB106(8-10)	SJSB106	Soil	8	10	08/08/2021	14:50	X	
	11215702-080821-BN-SJSB106(10-12)	SJSB106	Soil	10	12	08/08/2021	14:55	X	
	11215702-080821-BN-SJSB106(12-14)	SJSB106	Soil	12	14	08/08/2021	15:00	X	
	11215702-080821-BN-SJSB106(14-16)	SJSB106	Soil	14	16	08/08/2021	15:05	X	
320774332	11215702-080821-BN-SJSB106(16-18)	SJSB106	Soil	16	18	08/08/2021	15:10	X	
320765764	11215702-080821-BN-SJSB106 (0-2)-R	SJSB106	Soil	0	2	08/08/2021	14:30	X	Lab Duplicate

Notes:

ft. bgs. - Feet below ground surface
MS/MSD - Matrix Spike/Matrix Spike Duplicate
FD - Field Duplicate
PCDDs - Polychlorinated Dibenzodioxins
PCDFs - Polychlorinated Dibenzofurans

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB072**	**SJSB072**	**SJSB072**	**SJSB072**	**SJSB072**
Sample Identification:		**11215702-072021-SS-SJSB072(8-10)**	**11215702-072021-SS-SJSB072(10-12)**	**11215702-072021-SS-SJSB072(12-14)**	**11215702-072021-SS-SJSB072(14-16)**	**11215702-072021-SS-SJSB072(16-18)**
Sample Date:		**07/20/2021**	**07/20/2021**	**07/20/2021**	**07/20/2021**	**07/20/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.49 U	5.3 U	0.046 U	0.49 U	2.3 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	72	190	42	38	89
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.32 J	10	0.050 U	0.11 U	1.7 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	2.6 J	8.2	1.8 J	1.9 J	4.1 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.14 J	3.4 J	0.056 U	0.13 U	0.85 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.96 J	33	0.083 J	0.16 J	5.0 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.22 J	0.26 J	0.20 J	0.16 U	0.32 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.29 J	8.7	0.039 U	0.081 U	1.4 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.14 J	0.36 J	0.088 U	0.16 U	0.28 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.89 U	1.3 U	0.85 U	0.77 U	0.84 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.28 J	0.21 J	0.17 J	0.14 U	0.44 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.1 J	24	0.30 J	0.41 J	3.1 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.13 J	1.9 J	0.061 U	0.12 U	0.075 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.049 J	0.98 J	0.030 U	0.063 U	0.20 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.50 J	14	0.073 J	0.10 U	1.5 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	25	710	2.7	2.6	70
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	8.4	260	0.85 J	1.2	25
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.57 J	17 J	0.056 U	0.13 U	3.1 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	11 J	28 J	8.0 J	6.5 J	15 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	2.3 J	51 J	0.94 J	0.94 J	8.2 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.6 J	3.9 J	5.3 J	2.2 J	5.6 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.3 J	60 J	0.38 J	0.41 J	7.0 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.39 J	2.2 J	2.0 J	0.19 U	0.82 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	50 J	1400 J	5.4 J	4.9 J	140 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	9.4 J	280 J	4.1 J	1.2 J	28 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	12 J	340 J	1.2 J	1.5 J	33 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	12 J	340 J	1.3 J	1.7 J	34 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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J- - Estimated concentration, result may be biased low
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB072	SJSB072	SJSB072	SJSB072	SJSB073
Sample Identification:		11215702-072021-SS-SJSB072(18-20)	11215702-072021-SS-SJSB072(20-22)	11215702-072021-SS-SJSB072 (20-22)-R	11215702-072021-SS-SJSB072(22-24)	11215702-072021-SS-SJSB073(0-2)
Sample Date:		07/20/2021	07/20/2021	07/20/2021	07/20/2021	07/20/2021
Sample Depth:		(18-20) ft BGS	(20-22) ft BGS	(20-22) ft BGS Lab Duplicate	(22-24) ft BGS	(0-2) ft BGS
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.88 U	1.3 U	2.6 U	0.88 U	20
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	190	120	130	43	550
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.35 U	2.7 J	4.1 J	0.032 U	6.4 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	8.4	7.7	5.5 J	1.8 U	33
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.033 U	0.92 U	1.3 U	0.037 U	1.5 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.024 U	8.3	12	0.072 J	16
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.31 U	0.31 U	0.25 U	0.31 U	0.092 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.025 U	2.1 J	3.3 J	0.036 J	3.4 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.27 J	0.18 J	0.26 U	0.088 J	1.1 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.050 J	0.039 U	0.25 U	0.053 J	2.8 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.70 J	0.32 J	0.32 U	0.21 J	0.56 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.028 U	5.6 J	8.8	0.081 J	7.0
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.057 U	0.44 J	0.70 J	0.050 U	0.068 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.019 U	0.26 U	0.45 J	0.11 U	0.44 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.028 U	3.1 J	4.7 J	0.035 U	0.98 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.40 J	180	270	1.7	13
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.18 J	53	87	0.52 J	4.9
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.091 J	4.5 J	7.0 J	0.037 U	19 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	38 J	21 J	18 J	7.3 J	88 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.050 J	12 J	18 J	0.19 J	29 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	13 J	5.7 J	5.7 J	3.1 J	8.7 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.031 U	14 J	22 J	0.081 J	13 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.4 J	1.7 J	1.8 J	0.56 J	0.52 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	0.66 J	320 J	510 J	2.4 J	30 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1.8 J	59 J	96 J	0.96 J	4.9 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.46 J	74 J	120 J	0.75 J	9.4 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.52 J	74 J	120 J	0.81 J	9.6 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB073**	**SJSB073**	**SJSB073**	**SJSB073**	**SJSB073**
Sample Identification:		**11215702-072021-SS-SJSB073(2-4)**	**11215702-072021-SS-SJSB073(4-6)**	**11215702-072021-SS-SJSB073(6-8)**	**11215702-072021-SS-SJSB073(8-10)**	**11215702-072021-SS-SJSB073(10-12)**
Sample Date:		**07/20/2021**	**07/20/2021**	**07/20/2021**	**07/20/2021**	**07/20/2021**
Sample Depth:		**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	440	350	780 J	1300 J	1.8 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	3500	2400	10000	19000	160 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1000	770	1700	2800 J+	2.2 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	260	170	590 J	950 J	9.4
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	330	240	520 J	850 J	0.85 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3300	2400	5600	8400	6.0
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.7 J	2.2 J	5.4 U	12 U	0.30 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	820	620	1500	2200	1.3 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	12	7.2 J	41 J	52 J	0.30 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	57	42	100 U	140 U	3.0 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5.1 J	4.2 J	17 U	10 U	0.28 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1900	1400	4500	5000	4.5 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	190	130	400 J	460 J	0.24 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	83	66	170 J	210 J	0.37 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1200	820	2700	2900	2.2 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	77000	91000	160000	200000	90
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	22000	16000	50000	60000	30
Total heptachlorodibenzofuran (HpCDF)	pg/g	1600 J	1200 J	2800 J	4600 J	3.0 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	550 J	350 J	1300 J	2100 J	60 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	4700 J	3500 J	8500 J	12000 J	10 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	68 J	49 J	160 J	210 J	19 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	4700 J	3300 J	11000 J	13000 J	7.9 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	220 J	150 J	400 J	460 J	0.45 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	120000 J	78000 J	290000 J	350000 J	210 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	24000 J	17000 J	55000 J	66000 J	36 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	31000 J	26000 J	68000 J	83000 J	41 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	31000 J	26000 J	68000 J	83000 J	41 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB073**	**SJSB073**	**SJSB073**	**SJSB074**	**SJSB074**
Sample Identification:		**11215702-072021-SS-SJSB073(12-14)**	**11215702-072021-SS-SJSB073(14-16)**	**11215702-072021-SS-SJSB073(16-18)**	**11215702-072221-SS-SJSB074(0-2)**	**11215702-072221-SS-SJSB074(2-4)**
Sample Date:		**07/20/2021**	**07/20/2021**	**07/20/2021**	**07/22/2021**	**07/22/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.32 U	1.5 U	0.15 U	140	1600
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	200 U	390	220	2200	41000 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.64 U	0.92 U	0.11 U	280	4200 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	19	24	11	110	4000 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.17 U	0.51 U	0.13 U	85	1100
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.82 J	1.8 J	0.97 J	910	9900 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.19 U	0.21 U	0.17 U	1.3 J	8.7 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.46 U	0.64 U	0.38 U	240	2700
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.23 U	0.24 U	0.20 U	3.6 J	80
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	2.3 U	2.5 U	2.3 U	13	130
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.3 U	1.9 U	0.17 U	2.7 J	25
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.9 U	2.7 U	1.6 U	680	5300 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.25 U	0.15 U	0.13 U	49	480
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.16 U	0.11 U	0.093 U	28	250
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.14 U	0.99 J	0.13 U	370	3300
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	3.4	28	5.9	19000 J	180000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	4.1	11	4.5	5600 J	49000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.1 J	2.4 J	0.13 U	440 J	6300 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	77 J	82 J	48 J	230 J	6600 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	3.6 J	4.9 J	3.6 J	1300 J	15000 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	20 J	23 J	14 J	32 J	450 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.9 J	3.7 J	1.6 J	1600 J	13000 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.25 U	0.15 U	0.13 U	52 J	600 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	24 J	63 J	24 J	34000 J	210000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	5.1 J	11 J	4.5 J	6100 J	54000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	4.7 J	15 J	5.4 J	7800 J	70000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	5.2 J	15 J	5.6 J	7800 J	70000 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB074	SJSB074	SJSB074	SJSB074	SJSB074
Sample Identification:		11215702-072221-DUP-5	11215702-072221-SS-SJSB074(4-6)	11215702-072221-SS-SJSB074(6-8)	11215702-072221-SS-SJSB074(8-10)	11215702-072221-SS-SJSB074(10-12)
Sample Date:		07/22/2021	07/22/2021	07/22/2021	07/22/2021	07/22/2021
Sample Depth:		(2-4) ft BGS	(4-6) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(10-12) ft BGS
		Field Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	950	600	7.1 J	0.38 U	0.32 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	21000 J	17000 J	1200	82	58
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1900	1200	4.3 J	0.22 U	0.16 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1800	1700	34	2.9 J	1.8 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	610	420	0.87 J	0.063 U	0.059 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	5900 J	5100 J	7.8	0.44 J	0.28 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	6.5 J	4.0 J	0.55 U	0.20 U	0.19 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1600	1400	2.3 J	0.12 U	0.13 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	45	32	0.98 J	0.082 U	0.074 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	86	110	0.085 U	0.036 U	0.11 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	16	8.6 J	1.4 J	0.19 U	0.061 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3900 J	3600 J	5.6 J	0.33 J	0.17 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	390	190	0.64 J	0.065 U	0.043 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	160	160	0.32 J	0.035 U	0.024 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2600	1500	3.6 J	0.20 J	0.12 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	160000 J	63000 J	200	12	6.2
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	41000 J	22000 J	63	3.7	2.3
Total heptachlorodibenzofuran (HpCDF)	pg/g	3200 J	2000 J	7.3 J	0.35 J	0.16 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	3200 J	2700 J	110 J	13 J	7.1 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	8800 J	7800 J	14 J	0.56 J	0.47 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	250 J	350 J	21 J	2.7 J	1.4 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	10000 J	7600 J	17 J	0.69 J	0.36 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	480 J	240 J	4.1 J	0.17 J	0.18 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	160000 J	110000 J	370 J	22 J	10 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	46000 J	24000 J	69 J	4.0 J	2.7 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	59000 J	30000 J	87 J	5.1 J	3.0 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	59000 J	30000 J	87 J	5.1 J	3.1 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB074**	**SJSB074**	**SJSB074**	**SJSB075**	**SJSB075**
Sample Identification:		**11215702-072221-SS-SJSB074(12-14)**	**11215702-072221-SS-SJSB074(14-16)**	**11215702-072221-SS-SJSB074(16-18)**	**11215702-072021-SS-SJSB075(4-6)**	**11215702-072021-SS-SJSB075(10-12)**
Sample Date:		**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/20/2021**	**07/20/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(4-6) ft BGS**	**(10-12) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.32 U	0.34 U	0.14 U	970 U	3.0 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	55	51	200	11000 U	130 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.13 U	0.42 U	0.14 U	2300	5.4 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	2.2 J	2.2 J	9.6	660	7.0 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.099 U	0.12 U	0.027 U	710	2.5 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.13 U	0.38 J	0.067 J	8400	25
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.11 U	0.25 U	0.26 U	6.3 U	0.30 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.054 U	0.20 U	0.019 U	2100	6.3
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.11 U	0.19 J	0.27 J	34 J	0.39 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.11 U	0.19 U	0.22 U	110 U	2.1 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.22 U	0.24 U	0.67 J	9.6 U	0.43 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.033 U	0.30 J	0.18 J	5500	22
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.11 J	0.054 U	0.12 J	330 J	1.8 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.056 J	0.10 J	0.016 U	230 J	1.0 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.032 U	0.16 J	0.056 J	2800	12
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.76 U	5.7	0.66 U	130000	690
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.26 U	1.8	0.38 J	40000	190
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.34 J	0.74 J	0.096 J	3800 J	10 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	9.6 J	7.6 J	37 J	1500 J	18 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.35 J	0.88 J	0.28 J	12000 J	40 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.9 J	6.8 J	11 J	170 J	5.1 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.033 U	0.55 J	0.29 J	13000 J	55 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.9 J	1.8 J	2.4 J	350 J	1.8 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	1.1 J	7.7 J	1.3 J	230000 J	1300 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.9 J	4.6 J	2.0 J	44000 J	220 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.15 J	2.5 J	0.78 J	55000 J	270 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.37 J	2.6 J	0.84 J	55000 J	270 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB075**	**SJSB075**	**SJSB075**	**SJSB076**	**SJSB076**
Sample Identification:		**11215702-072021-SS-SJSB075(12-14)**	**11215702-072021-SS-SJSB075(14-16)**	**11215702-072021-SS-SJSB075(16-18)**	**11215702-072221-SS-SJSB076(0-2)**	**11215702-072221-SS-SJSB076(2-4)**
Sample Date:		**07/20/2021**	**07/20/2021**	**07/20/2021**	**07/22/2021**	**07/22/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.11 U	1.1 U	0.10 U	72	910
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	52 U	240 U	190 U	1200	4500
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.096 U	0.48 U	0.48 U	150	2300
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1.9 U	15 U	10	51 J	350
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.10 U	0.19 U	0.30 U	46	780
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.33 J	0.41 J	0.90 J	500	8400 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.25 U	0.28 U	0.37 U	0.96 J	3.6 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.32 U	0.14 U	0.34 U	130	2300
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.10 U	0.62 J	0.43 J	1.8 J	18
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	2.9 U	1.9 U	1.9 U	8.1	140
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.36 U	1.1 U	0.72 U	2.0 J	9.1 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.7 U	1.4 U	1.4 U	310	6000 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.069 U	0.23 U	0.066 U	20	270
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.065 U	0.11 U	0.12 U	16	260
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.065 U	0.19 U	0.33 J	160	2600
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.3 U	5.9 U	13	7600 J	110000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.98 U	1.8 U	5.0	2100 J	36000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.10 U	0.28 J	0.56 J	230 J	3600 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	11 J	43 J	36 J	120 J	690 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	4.2 J	2.3 J	3.5 J	740 J	13000 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	4.8 J	15 J	13 J	22 J	110 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.2 J	1.4 J	2.6 J	720 J	13000 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.71 J	3.1 J	2.4 J	22 J	300 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	5.0 J	10 J	29 J	13000 J	160000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.7 J	3.2 J	6.6 J	2300 J	40000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.033 J	0.10 J	6.6 J	3000 J	49000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.88 J	1.8 J	6.7 J	3000 J	49000 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB076	SJSB076	SJSB076	SJSB076	SJSB076
Sample Identification:		11215702-072221-SS-SJSB076(4-6)	11215702-072221-SS-SJSB076(6-8)	11215702-072221-SS-SJSB076(8-10)	11215702-072221-SS-SJSB076(10-12)	11215702-072221-SS-SJSB076 (10-12)-R
Sample Date:		07/22/2021	07/22/2021	07/22/2021	07/22/2021	07/22/2021
Sample Depth:		(4-6) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(10-12) ft BGS	(10-12) ft BGS Lab Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1400	3.6 J	0.35 J	2.7 J	1.7 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	16000 J	150	84	200	170
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2900	6.6 J	0.43 J	5.2 J	3.1 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1200	6.4 J	3.4 J	8.9	8.7
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1000	2.5 J	0.16 J	1.8 J	0.96 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	11000 J	24	1.1 J	19	11
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.0 J	0.051 U	0.28 J	0.071 U	0.24 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3000	6.8	0.30 J	4.4 J	3.0 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	35	0.054 U	0.19 J	0.082 U	0.24 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	210	0.14 U	0.13 J	0.35 J	0.26 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	13	0.24 J	0.28 J	0.29 J	0.35 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	6400 J	17	0.96 J	14	13
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	420	1.5 J	0.19 J	0.98 J	0.61 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	360	0.15 U	0.073 U	0.59 J	0.51 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3200	9.7	0.54 J	7.5	6.4
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	150000 J	540	28	360	260
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	45000 J	150	7.9	110	82
Total heptachlorodibenzofuran (HpCDF)	pg/g	4600 J	11 J	0.72 J	8.5 J	5.1 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	2200 J	19 J	12 J	24 J	22 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	16000 J	31 J	1.5 J	27 J	17 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	260 J	3.6 J	3.9 J	3.4 J	3.7 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	16000 J	38 J	2.1 J	32 J	33 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	420 J	1.5 J	0.40 J	0.98 J	0.87 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	230000 J	930 J	51 J	640 J	490 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	50000 J	160 J	8.8 J	120 J	92 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	63000 J	210 J	11 J	150 J	110 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	63000 J	210 J	11 J	150 J	110 J

Notes:

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J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB076**	**SJSB076**	**SJSB076**	**SJSB077**	**SJSB077**
Sample Identification:		**11215702-072221-SS-SJSB076(12-14)**	**11215702-072221-SS-SJSB076(14-16)**	**11215702-072221-SS-SJSB076(16-18)**	**11215702-072121-SS-SJSB077(6-8)**	**11215702-072121-DUP-3**
Sample Date:		**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/21/2021**	**07/21/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(6-8) ft BGS**	**(6-8) ft BGS**
						Field Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.58 J	0.81 J	0.24 U	1300	1400
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	350	130	400	8900	9700
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.0 J	0.70 J	0.21 U	2400	2500
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	19	10	18	550	610
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.42 J	0.084 J	0.027 U	770	760
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.0 J	1.1 J	0.39 J	7100	8700
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.61 J	0.31 J	0.45 U	7.4 J	4.6 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.87 J	0.31 J	0.13 J	1800	2300
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.85 J	0.34 J	0.53 J	41 J	48 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.046 U	0.065 J	0.23 U	120	140
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 J	0.56 J	1.4 J	18 J	13 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.1 J	0.72 J	0.41 J	4600	5400
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.21 U	0.15 J	0.22 J	400	460
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.044 U	0.029 U	0.019 U	220	280
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.95 J	0.31 J	0.16 J	2800	3200
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	43	9.8	6.5	170000 J	140000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	15	3.5	2.2	44000 J	44000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.7 J	0.90 J	0.32 J	3900 J	4000 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	69 J	26 J	77 J	1100 J	1300 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	3.8 J	1.7 J	0.76 J	10000 J	13000 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	17 J	7.5 J	21 J	190 J	200 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	4.0 J	1.5 J	0.81 J	11000 J	13000 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.68 J	0.66 J	4.2 J	400 J	460 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	78 J	19 J	11 J	240000 J	250000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	17 J	4.5 J	5.7 J	48000 J	48000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	21 J	5.2 J	3.7 J	63000 J	61000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	21 J	5.2 J	3.7 J	63000 J	61000 J

Notes:

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UJ - Not detected; associated reporting limit is estimated
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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB077**	**SJSB077**	**SJSB077**	**SJSB077**	**SJSB077**
Sample Identification:		**11215702-072121-SS-SJSB077(8-10)**	**11215702-072121-SS-SJSB077(10-12)**	**11215702-072121-SS-SJSB077 (10-12)-R**	**11215702-072121-SS-SJSB077(12-14)**	**11215702-072121-SS-SJSB077 (12-14)-R**
Sample Date:		**07/21/2021**	**07/21/2021**	**07/21/2021**	**07/21/2021**	**07/21/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(12-14) ft BGS**
				Lab Duplicate		**Lab Duplicate**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1700	1.4 J	2.0 U	0.95 J	0.87 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	10000	100	150	73	120
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	3900	2.1 J	3.4 J	0.84 J	1.0 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	720	4.4 J	8.7	2.7 J	5.7 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1000	0.67 J	1.3 U	0.33 J	0.41 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	9800	6.9	14	2.2 J	3.5 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5.2 J	0.32 J	0.31 U	0.17 U	0.26 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2500	1.8 J	3.3 J	0.74 J	0.98 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	37 J	0.13 U	0.20 U	0.18 U	0.15 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	160	0.075 U	0.31 U	0.050 U	0.14 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	12 J	0.11 U	0.27 U	0.16 U	0.21 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	5900	5.1 J	9.5	1.6 J	2.1 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	530	0.091 U	0.98 J	0.077 U	0.23 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	280	0.077 U	0.42 J	0.050 U	0.18 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3500	2.5 J	6.4	1.1 J	1.2 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	200000 J	100	340	48	51
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	54000 J	38	110	18	17
Total heptachlorodibenzofuran (HpCDF)	pg/g	5900 J	3.3 J	6.1 J	1.2 J	1.8 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1500 J	17 J	23 J	9.9 J	19 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	14000 J	8.7 J	21 J	3.0 J	5.6 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	190 J	8.4 J	9.6 J	3.3 J	5.9 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	14000 J	7.6 J	25 J	2.7 J	5.0 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	530 J	0.14 U	3.9 J	0.077 U	1.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	300000 J	200 J	640 J	100 J	96 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	59000 J	43 J	130 J	20 J	22 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	77000 J	50 J	150 J	24 J	23 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	77000 J	50 J	150 J	24 J	23 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB077**	**SJSB077**	**SJSB077**	**SJSB078**	**SJSB078**
Sample Identification:		**11215702-072121-SS-SJSB077(14-16)**	**11215702-072121-SS-SJSB077 (14-16)-R**	**11215702-072121-SS-SJSB077(16-18)**	**11215702-072121-SS-SJSB078(0-2)**	**11215702-072121-SS-SJSB078(2-4)**
Sample Date:		**07/21/2021**	**07/21/2021**	**07/21/2021**	**07/21/2021**	**07/21/2021**
Sample Depth:		**(14-16) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
			Lab Duplicate			
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	8.3 J	5.4 J	0.83 J	560 J	1100 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	480	480	89	5600	15000
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	14	11	0.32 J	1300	2300
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	21	27	3.9 J	440 J	1100
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	4.5 J	3.6 J	0.18 J	480 J	730 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	41	36	0.033 U	4700	7100
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.24 U	0.41 U	0.077 U	38 J	5.8 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	11	8.1	0.032 U	1200	1800
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.27 U	0.48 J	0.088 U	4.5 U	6.4 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.25 U	0.57 J	0.031 U	22 U	37 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.24 U	0.39 U	0.076 U	4.0 U	5.7 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	27	22	0.038 U	3100	3300
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.4 J	1.9 J	0.069 U	170 J	260 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.4 J	1.0 J	0.031 U	170 J	170 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	16	15	0.040 U	1700	1800
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	730 J	690 J	1.0 U	80000	190000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	260	250	0.058 U	24000	26000
Total heptachlorodibenzofuran (HpCDF)	pg/g	23 J	18 J	0.65 J	2100 J	3700 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	74 J	66 J	16 J	820 J	2300 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	58 J	51 J	0.033 U	6500 J	9500 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	23 J	14 J	5.2 J	93 J	150 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	62 J	56 J	0.072 U	7600 J	7800 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	6.0 J	4.2 J	0.34 U	170 J	260 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	1400 J	1300 J	1.0 J	160000 J	160000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	290 J	270 J	0.74 U	27000 J	28000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	350 J	330 J	0.071 J	33000 J	47000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	350 J	330 J	0.21 J	33000 J	47000 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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TEQ - Toxicity Equivalent Quotient
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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB078	SJSB078	SJSB078	SJSB078	SJSB078
Sample Identification:		11215702-072121-SS-SJSB078(4-6)	11215702-072121-SS-SJSB078(6-8)	11215702-072121-SS-SJSB078 (6-8)-R	11215702-072121-SS-SJSB078(8-10)	11215702-072121-SS-SJSB078 (8-10)-R
Sample Date:		07/21/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
Sample Depth:		(4-6) ft BGS	(6-8) ft BGS	(6-8) ft BGS Lab Duplicate	(8-10) ft BGS	(8-10) ft BGS Lab Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1200	0.74 J	2.1 U	1.7 J	1.5 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	12000	91 J	200 J	92	130
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2300	0.33 J	3.3 J	1.6 J	2.2 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	710	3.1 J	6.4 J	4.4 J	8.0
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	730	0.050 U	0.85 U	0.64 J	0.65 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	8200	1.6 J	8.8	5.1 J	6.2
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	6.2 J	0.093 U	0.35 U	0.056 U	0.22 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2100	0.50 J	2.7 J	1.5 J	1.8 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	45 J	0.11 U	0.29 U	0.065 U	0.26 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	160	0.033 U	0.27 U	0.063 U	0.13 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	14 J	0.093 U	0.45 U	0.056 U	0.26 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	5300	1.8 J	8.0	4.4 J	5.6 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	440	0.071 U	0.97 J	0.51 J	0.56 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	270	0.029 U	0.42 J	0.061 U	0.21 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3300	1.0 J	4.8 J	2.6 J	3.4 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	250000	66 J	290 J	150	250
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	58000	25 J	110 J	47	74
Total heptachlorodibenzofuran (HpCDF)	pg/g	4000 J	0.64 J	5.7 J	2.8 J	3.8 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1600 J	13 J	25 J	13 J	22 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	12000 J	2.1 J	14 J	6.6 J	9.3 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	220 J	3.0 J	6.4 J	3.5 J	4.8 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	13000 J	4.4 J	20 J	9.3 J	14 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	440 J	0.51 U	2.1 J	0.51 J	1.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	320000 J	130 J	570 J	300 J	500 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	63000 J	25 J	120 J	47 J	81 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	86000 J	32 J	140 J	64 J	100 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	86000 J	32 J	140 J	64 J	100 J

Notes:

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J- - Estimated concentration, result may be biased low
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB078	SJSB078	SJSB078	SJSB078	SJSB078
Sample Identification:		11215702-072121-SS-SJSB078(10-12)	11215702-072121-SS-SJSB078 (10-12)-R	11215702-072121-SS-SJSB078(12-14)	11215702-072121-SS-SJSB078(14-16)	11215702-072121-DUP-2
Sample Date:		07/21/2021	07/21/2021	07/21/2021	07/21/2021	07/21/2021
Sample Depth:		(10-12) ft BGS	(10-12) ft BGS Lab Duplicate	(12-14) ft BGS	(14-16) ft BGS	(14-16) ft BGS Field Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	3.1 J	1.5 U	0.073 U	0.069 U	0.33 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	320	280	89	100	130
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2.5 J	2.0 U	0.69 J	0.21 J	0.19 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	9.1	9.4	2.7 J	4.9 J	6.3
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.94 J	0.73 U	0.21 J	0.047 U	0.18 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	9.9	7.6	1.7 J	0.58 J	0.89 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.17 U	0.28 U	0.090 U	0.081 U	0.28 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.3 J	2.3 J	0.52 J	0.030 U	0.12 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.20 U	0.29 U	0.11 U	0.088 U	0.29 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.092 U	0.19 U	0.033 U	0.029 U	0.11 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.17 U	0.37 U	0.090 U	0.078 U	0.26 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	7.1	7.4	1.3 J	0.48 J	0.17 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.076 U	0.62 J	0.068 U	0.089 U	0.41 UJ
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.082 U	0.28 J	0.031 U	0.028 U	0.11 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3.7 J	3.8 J	0.071 U	0.032 U	0.17 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	200	250	32	15	22
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	68	83	12	5.6	9.6
Total heptachlorodibenzofuran (HpCDF)	pg/g	4.5 J	3.8 J	1.1 J	0.21 J	0.19 U
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	34 J	32 J	15 J	19 J	27 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	13 J	11 J	2.2 J	0.58 J	0.89 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5.8 J	6.8 J	2.0 J	8.8 J	11 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	15 J	17 J	1.3 J	0.48 J	0.29 U
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.58 U	1.8 J	0.34 U	2.3 J	0.60 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	380 J	490 J	64 J	26 J	38 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	68 J	92 J	12 J	8.0 J	9.6 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	91 J	110 J	16 J	7.3 J	12 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	91 J	110 J	16 J	7.3 J	12 J

Notes:

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TEQ - Toxicity Equivalent Quotient
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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB078**	**SJSB078**	**SJSB078**	**SJSB078**
Sample Identification:		**11215702-072121-SS-SJSB078(16-18)**	**11215702-072121-SS-SJSB078 (16-18)-R**	**11215702-072121-SS-SJSB078(18-20)**	**11215702-072121-SS-SJSB078(20-22)**
Sample Date:		**07/21/2021**	**07/21/2021**	**07/21/2021**	**07/21/2021**
Sample Depth:		**(16-18) ft BGS**	**(16-18) ft BGS**	**(18-20) ft BGS**	**(20-22) ft BGS**
			Lab Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	4.4 J	3.7 U	0.88 U	4.5 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	240	240	130	240
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	4.5 J	4.1 J	0.35 U	7.3
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	10	8.8	6.3	12
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1.1 J	1.2 U	0.034 U	2.3 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	13	10	0.22 J	22
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.10 U	0.25 U	0.31 U	0.31 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.4 J	3.2 J	0.028 U	5.6 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.11 U	0.30 U	0.25 J	0.37 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.38 J	0.20 U	0.043 J	0.46 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.098 U	0.39 U	0.51 J	0.41 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	8.1	9.1	0.19 J	16
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.1 J	0.89 J	0.10 J	1.6 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.32 J	0.42 J	0.11 U	0.73 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	4.8 J	5.1 J	0.096 J	9.5
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	230	280	5.0	570 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	92	110	1.8	190
Total heptachlorodibenzofuran (HpCDF)	pg/g	7.7 J	7.9 J	0.14 J	13 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	31 J	28 J	25 J	32 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	20 J	16 J	0.28 J	33 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.3 J	7.2 J	8.8 J	7.4 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	20 J	23 J	0.37 J	41 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.1 J	2.3 J	1.6 J	3.3 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	460 J	580 J	8.2 J	1100 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	100 J	120 J	2.9 J	210 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	120 J	140 J	2.6 J	260 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	120 J	140 J	2.7 J	260 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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TEQ - Toxicity Equivalent Quotient
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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB078**	**SJSB078**	**SJSB079**	**SJSB079**	**SJSB079**
Sample Identification:		**11215702-072121-SS-SJSB078 (20-22)-R**	**11215702-072121-SS-SJSB078(22-24)**	**11215702-072521-SS-SJSB079(0-2)**	**11215702-072521-SS-SJSB079(2-4)**	**11215702-072521-SS-SJSB079(4-6)**
Sample Date:		**07/21/2021**	**07/21/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**
Sample Depth:		**(20-22) ft BGS**	**(22-24) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	4.1 J	0.88 U	620	1500	950
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	230	63	5100	12000	5600
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	6.4	0.35 U	1200	2800	1900
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	10	2.6 U	410	880	340
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	2.2 U	0.036 U	420	1000	620
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	23	0.070 J	4800	10000	6500
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.32 U	0.045 U	2.0 U	6.4 J	2.2 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	5.3 J	0.030 U	1200	2500	1700
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.34 J	0.049 U	13 J	27 J	15 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.47 J	0.057 J	84 J	130	87 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.39 U	0.27 J	7.9 J	15 J	2.1 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	13	0.034 U	3600	5200	4100
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.3 J	0.050 U	210	340	200
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.68 J	0.024 U	170	260	210
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	8.4	0.033 U	2000	2600	1800
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	450	0.57 J	77000 J	120000 J	70000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	150	0.25 J	23000 J	37000 J	19000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	11 J	0.10 J	1900 J	4500 J	3000 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	32 J	12 J	750 J	1600 J	720 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	33 J	0.13 J	7100 J	15000 J	9400 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	8.1 J	5.0 J	80 J	160 J	80 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	34 J	0.034 U	8900 J	12000 J	9200 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.8 J	1.2 J	210 J	340 J	200 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	840 J	0.92 J	130000 J	220000 J	140000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	170 J	1.4 J	25000 J	41000 J	21000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	200 J	0.37 J	32000 J	52000 J	28000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	200 J	0.42 J	32000 J	52000 J	28000 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB079**	**SJSB079**	**SJSB079**	**SJSB079**	**SJSB079**
Sample Identification:		**11215702-072521-SS-SJSB079(6-8)**	**11215702-072521-SS-SJSB079(8-10)**	**11215702-072521-DUP-7**	**11215702-072521-SS-SJSB079(10-12)**	**11215702-072521-SS-SJSB079(12-14)**
Sample Date:		**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**
Sample Depth:		**(6-8) ft BGS**	**(8-10) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
				Field Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1200	1200	1700	4.5 J	0.10 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	6500	9000	11000	100	100
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2000	2100	2800	6.9	0.24 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	470	570	850	5.2 J	4.1 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	650	640	1300	2.3 J	0.11 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	6500	7000	20000	23	1.4 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.0 J	4.9 J	3.8 J	0.070 U	0.11 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1700	1900	4400	6.8	0.36 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	31 J	32 J	39 J	0.075 U	0.12 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	100	97 J	300	0.61 U	0.038 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	9.0 J	9.9 J	12 J	0.067 U	0.11 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	4200	4500 J	26000 J	14	1.8 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	330	290	320 J	1.4 J	0.11 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	190	230 J	780 J	0.58 J	0.042 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2400	2400 J	11000 J	8.1	0.70 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	130000 J	120000 J	120000 J	380	6.4
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	35000 J	31000 J	31000 J	140	1.9
Total heptachlorodibenzofuran (HpCDF)	pg/g	3300 J	3400 J	5300 J	12 J	0.35 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1000 J	1200 J	1800 J	13 J	19 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	9700 J	10000 J	30000 J	35 J	1.7 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	140 J	140 J	170 J	3.6 J	12 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	10000 J	11000 J	60000 J	33 J	3.8 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	330 J	290 J	320 J	1.8 J	0.11 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	240000 J	210000 J	240000 J	730 J	9.7 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	38000 J	33000 J	34000 J	150 J	4.5 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	50000 J	45000 J	50000 J	190 J	3.1 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	50000 J	45000 J	50000 J	190 J	3.1 J

Notes:

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB079**	**SJSB079**	**SJSB080**	**SJSB080**	**SJSB080**
Sample Identification:		**11215702-072521-SS-SJSB079(14-16)**	**11215702-072521-SS-SJSB079(16-18)**	**11215702-072221-SS-SJSB080(0-2)**	**11215702-072221-SS-SJSB080(2-4)**	**11215702-072221-SS-SJSB080(4-6)**
Sample Date:		**07/25/2021**	**07/25/2021**	**07/22/2021**	**07/22/2021**	**07/22/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.88 J	0.15 U	370	370	220
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	460	240	7000 J	3900	3100
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.68 J	0.068 U	990	710	660
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	21	14	530	280	210
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.35 J	0.060 U	300	210	170
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.0 J	0.049 U	3100	2100	1700
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.19 U	0.18 U	3.0 J	2.0 J	1.3 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.65 J	0.045 U	840	590	460
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.23 U	0.21 U	14	8.0 J	5.7 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.11 U	0.042 U	45	32	21
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.4 J	0.18 U	6.3 J	4.3 J	3.3 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.7 J	0.16 U	1900	1300	810
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.16 U	0.37 U	140	94	58
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.10 U	0.044 U	92	66	38
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.1 J	0.16 U	1000	690	420
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	30	1.1 J	47000 J	28000 J	19000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	12	0.14 U	17000 J	11000 J	6900 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.0 J	0.27 U	1500 J	1100 J	930 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	80 J	54 J	1000 J	540 J	420 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	2.6 J	0.19 U	4600 J	3200 J	2500 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	27 J	15 J	99 J	58 J	44 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.8 J	0.56 U	4500 J	3000 J	1900 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.5 U	2.4 U	170 J	110 J	67 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	53 J	1.1 J	71000 J	51000 J	33000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	12 J	1.0 U	19000 J	12000 J	7600 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	16 J	0.32 J	23000 J	14000 J	9200 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	16 J	0.64 J	23000 J	14000 J	9200 J

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB080**	**SJSB080**	**SJSB080**	**SJSB080**	**SJSB080**
Sample Identification:		**11215702-072221-SS-SJSB080(6-8)**	**11215702-072221-SS-SJSB080(8-10)**	**11215702-072221-SS-SJSB080(10-12)**	**11215702-072221-SS-SJSB080(12-14)**	**11215702-072221-SS-SJSB080(14-16)**
Sample Date:		**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/22/2021**
Sample Depth:		**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	68	25	0.37 U	0.32 U	0.32 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1500	750	57	58	120
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	150	57	0.58 U	0.16 U	0.13 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	120	57	1.9 J	2.9 J	6.4
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	50	16	0.13 U	0.061 U	0.055 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	610	160	1.5 J	0.23 U	0.096 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.79 J	0.49 U	0.20 U	0.17 U	0.12 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	150	44	0.42 J	0.092 U	0.035 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.3 J	1.4 J	0.070 U	0.073 U	0.12 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	10	2.4 J	0.11 U	0.028 U	0.11 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.24 U	0.81 J	0.062 U	0.22 U	0.46 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	360	110	0.98 J	0.13 J	0.038 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	23	9.0	0.055 U	0.055 U	0.073 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	19	4.7 J	0.038 U	0.027 U	0.028 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	180	59	0.46 J	0.042 U	0.038 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	7500 J	3300 J	26	2.7	1.1 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	2300 J	1100 J	9.0	1.1 J	0.34 U
Total heptachlorodibenzofuran (HpCDF)	pg/g	240 J	90 J	0.89 J	0.16 J	0.095 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	230 J	140 J	8.9 J	11 J	24 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	900 J	240 J	2.2 J	0.32 J	0.17 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	25 J	19 J	6.0 J	5.8 J	8.7 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	830 J	260 J	2.2 J	0.13 J	0.038 U
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	27 J	12 J	1.6 J	1.3 J	2.1 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	13000 J	6200 J	48 J	4.5 J	1.9 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	2500 J	1300 J	14 J	2.2 J	2.6 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	3200 J	1500 J	12 J	1.4 J	0.15 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	3200 J	1500 J	12 J	1.5 J	0.44 J

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB080**	**SJSB080**	**SJSB081**	**SJSB081**	**SJSB081**
Sample Identification:		**11215702-072221-SS-SJSB080(16-18)**	**11215702-072221-DUP-4**	**11215702-080521-BN-SJSB081(0-2)**	**11215702-080521-BN-SJSB081(2-4)**	**11215702-080521-BN-SJSB081(4-6)**
Sample Date:		**07/22/2021**	**07/22/2021**	**08/05/2021**	**08/05/2021**	**08/05/2021**
Sample Depth:		**(16-18) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
			Field Duplicate			
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.89 U	0.32 U	110 J	730 J+	460
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	72	72	2700	2500	2600
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.55 U	0.18 U	66 J	1600	830
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	3.5 J	3.5 J	110	230	180
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.22 J	0.051 U	19 J	530 J+	310
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.3 J	0.35 J	220	4700	3100 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.28 U	0.22 U	0.99 U	4.9 J	1.8 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.42 J	0.10 U	67 J	1500	850
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.18 J	0.077 U	1.1 U	14 J	13 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.31 U	0.023 U	1.4 U	84 J	42
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.27 U	0.27 U	0.97 U	7.1 J	9.3 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.1 J	0.27 J	180	4200	2200
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.20 J	0.055 U	14 J	290	260
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.059 J	0.022 U	8.1 J	180 J	94
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.66 J	0.10 J	110	2200	1400
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	27 J	6.3 J	5600	93000 J	92000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	9.1 J	2.1 J	1700	36000 J	37000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.0 J	0.29 J	110 J	2500 J	1300 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	12 J	13 J	360 J	470 J	380 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	2.3 J	0.45 J	350 J	7400 J	4700 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.6 J	4.5 J	59 J	99 J	79 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.4 J	0.49 J	430 J	10000 J	5700 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.81 J	0.93 J	14 J	290 J	260 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	50 J	11 J	12000 J	170000 J	150000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	10 J	2.6 J	1900 J	40000 J	41000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	13 J	2.9 J	2300 J	47000 J	47000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	13 J	3.0 J	2300 J	47000 J	47000 J

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ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB081**	**SJSB081**	**SJSB081**	**SJSB081**	**SJSB081**
Sample Identification:		**11215702-080521-BN-SJSB081(6-8)**	**11215702-080521-BN-DUP-13**	**11215702-080521-BN-SJSB081(8-10)**	**11215702-080521-BN-SJSB081 (8-10)-R**	**11215702-080521-BN-SJSB081(10-12)**
Sample Date:		**08/05/2021**	**08/05/2021**	**08/05/2021**	**08/05/2021**	**08/05/2021**
Sample Depth:		**(6-8) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**
			Field Duplicate		**Lab Duplicate**	
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.85 U	0.72 U	510	320	3.4 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	340	320	2400	2300	240
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.35 J	0.30 U	1000 J	560 J	7.4
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	15	14	130	110	12
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.10 U	0.063 U	400 J	230 J	2.8 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.60 J	0.29 J	3500 J	1900 J	41 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.38 J	0.33 U	1.2 U	3.9 U	0.27 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.20 J	0.086 J	920 J	400 J	10
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.46 J	0.41 U	1.3 U	5.6 J	0.54 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.16 J	0.11 U	56 J	27 J	0.87 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.86 J	0.80 U	4.5 J	4.8 U	1.1 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.52 J	0.27 J	2300 J	800 J	38 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.12 U	0.085 U	110	54 J	1.5 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.089 J	0.040 U	96 J	45 J	1.2 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.28 J	0.056 U	1000 J	450 J	14
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	8.0	3.2	45000 J	23000 J	530 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.8	1.4	13000 J	7700 J	210
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.35 J	0.73 J	1700 J	930 J	12 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	52 J	58 J	310 J	290 J	48 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.1 J	0.45 J	5200 J	2600 J	61 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	14 J	16 J	57 J	63 J	16 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.88 J	0.33 J	5100 J	2000 J	72 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.68 J	2.7 J	110 J	64 J	1.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	13 J	5.4 J	70000 J	39000 J	1100 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.8 J	3.5 J	14000 J	8400 J	230 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	5.2 J	2.0 J	19000 J	11000 J	280 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	5.3 J	2.1 J	19000 J	11000 J	280 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB081	SJSB081	SJSB081	SJSB081	SJSB082
Sample Identification:		11215702-080521-BN-SJSB081 (10-12)-R	11215702-080521-BN-SJSB081(12-14)	11215702-080521-BN-SJSB081(14-16)	11215702-080521-BN-SJSB081(16-18)	11215702-080921-BN-SJSB082(0-2)
Sample Date:		08/05/2021	08/05/2021	08/05/2021	08/05/2021	08/09/2021
Sample Depth:		(10-12) ft BGS	(12-14) ft BGS	(14-16) ft BGS	(16-18) ft BGS	(0-2) ft BGS
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	2.3 U	0.45 U	0.52 U	0.45 U	220 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	160	620	690	210	3100
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	4.4 J	0.20 U	0.30 U	0.18 U	300
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	8.2	31	35	11	160
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1.9 U	0.062 U	0.068 U	0.071 U	84 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	18 J	0.25 J	0.16 J	0.12 J	960
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.35 U	0.64 U	0.61 U	0.29 U	3.0 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	4.2 J	0.17 J	0.10 J	0.052 U	260
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.36 J	0.82 J	0.71 J	0.26 U	7.1 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.41 U	0.20 U	0.18 U	0.11 U	15 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.76 U	2.7 J	3.1 J	1.1 J	5.0 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	12 J	0.22 J	0.068 U	0.17 J	1100
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.0 J	0.31 J	0.15 U	0.096 U	93 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.57 J	0.052 U	0.040 U	0.036 U	34 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	7.0	0.068 U	0.069 U	0.052 U	1200
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	410	4.3	0.85 J	0.87 J	44000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	150	1.1 J	0.47 J	0.39 J	10000
Total heptachlorodibenzofuran (HpCDF)	pg/g	7.5 J	0.20 J	0.30 J	0.14 J	450 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	32 J	140 J	150 J	56 J	390 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	26 J	0.61 J	0.44 J	0.20 J	1500 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	12 J	40 J	48 J	20 J	70 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	29 J	0.22 J	0.069 U	0.17 J	3500 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.3 J	6.4 J	8.7 J	3.7 J	110 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	740 J	4.6 J	1.8 J	1.6 J	90000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	170 J	7.1 J	8.2 J	3.1 J	11000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	200 J	2.7 J	1.5 J	0.78 J	15000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	200 J	2.8 J	1.7 J	0.87 J	15000 J

Notes:

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J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB082	SJSB082	SJSB082	SJSB082	SJSB082
Sample Identification:		11215702-080921-BN-SJSB082(2-4)	11215702-080921-BN-SJSB082(4-6)	11215702-080921-BN-SJSB082(6-8)	11215702-080921-DUP-16	11215702-080921-BN-SJSB082(8-10)
Sample Date:		08/09/2021	08/09/2021	08/09/2021	08/09/2021	08/09/2021
Sample Depth:		(2-4) ft BGS	(4-6) ft BGS	(6-8) ft BGS	(6-8) ft BGS Field Duplicate	(8-10) ft BGS
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	8.3 J	17	0.30 U	0.29 U	3.8 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	230	350	300	210	940
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	19	43	0.33 U	0.28 U	2.8 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	7.0	15	16	8.6	30
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	7.9	16	0.15 U	0.15 U	0.86 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	69 J	170	0.70 J	0.58 J	8.5
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.33 U	0.44 U	0.40 U	0.33 U	0.48 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	17	43	0.24 J	0.20 J	2.3 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.40 J	0.74 J	0.43 J	0.27 J	0.76 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	1.4 J	3.0 J	0.15 U	0.083 U	0.25 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.50 U	0.60 U	0.87 J	0.50 U	1.7 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	47	130	0.53 J	0.39 J	6.9
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.1 J	9.3	0.22 J	0.15 J	0.95 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.0 J	4.8 J	0.096 J	0.077 J	0.31 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	22	71	0.31 J	0.24 J	4.6 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1300 J	3900 J	14	9.7	320 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	520 J	1500 J	5.5	3.9	84 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	31 J	70 J	0.54 J	0.49 J	4.7 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	35 J	51 J	49 J	33 J	100 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	100 J	250 J	1.2 J	0.94 J	13 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	14 J	16 J	12 J	8.9 J	23 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	110 J	320 J	1.2 J	0.63 J	19 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	6.0 J	14 J	2.0 J	1.5 J	5.4 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	2600 J	8200 J	26 J	18 J	610 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	570 J	1700 J	7.3 J	5.6 J	94 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	670 J	2000 J	7.7 J	5.4 J	120 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	670 J	2000 J	7.7 J	5.4 J	120 J

Notes:

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J - Estimated concentration
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J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB082	SJSB082	SJSB082	SJSB082	SJSB082
Sample Identification:		11215702-080921-BN-SJSB082 (8-10)-R	11215702-080921-BN-SJSB082(10-12)	11215702-080921-BN-SJSB082(12-14)	11215702-080921-BN-SJSB082(14-16)	11215702-080921-BN-SJSB082(16-18)
Sample Date:		08/09/2021	08/09/2021	08/09/2021	08/09/2021	08/09/2021
Sample Depth:		(8-10) ft BGS	(10-12) ft BGS	(12-14) ft BGS	(14-16) ft BGS	(16-18) ft BGS
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	2.2 U	0.26 U	0.55 U	0.32 U	0.28 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	630	980	600	1000	190
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.93 U	0.22 U	0.43 U	0.28 U	0.27 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	25	36	23	42	6.8
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.36 U	0.033 U	0.058 U	0.15 U	0.16 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.9 J	0.30 J	0.24 U	0.29 U	0.40 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.50 U	0.53 U	0.49 U	0.69 U	0.29 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.67 J	0.13 J	0.047 U	0.12 J	0.13 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.64 J	0.74 J	0.57 J	0.87 J	0.20 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.14 U	0.086 U	0.092 U	0.12 U	0.073 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 J	2.0 J	1.7 J	2.2 J	0.67 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.1 J	0.23 J	0.051 U	0.20 J	0.12 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.37 J	0.25 J	0.21 J	0.30 J	0.054 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.10 U	0.033 J	0.032 U	0.061 J	0.018 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.5 J	0.15 J	0.053 U	0.16 J	0.034 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	110 J	6.0	0.50 U	5.4	1.5
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	29 J	2.2	0.26 U	1.7 J	0.50 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.8 J	0.18 J	0.43 J	0.50 J	0.49 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	80 J	130 J	91 J	180 J	31 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	4.4 J	0.55 J	0.33 J	0.65 J	0.60 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	20 J	28 J	24 J	50 J	12 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	5.7 J	0.55 J	0.054 U	0.51 J	0.12 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.7 J	5.4 J	4.2 J	8.7 J	2.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	210 J	12 J	0.87 J	10 J	2.7 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	34 J	6.1 J	2.8 J	7.4 J	2.5 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	42 J	4.1 J	0.85 J	3.6 J	0.96 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	42 J	4.1 J	1.1 J	3.7 J	0.99 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB083**	**SJSB083**	**SJSB083**	**SJSB083**	**SJSB083**
Sample Identification:		**11215702-072221-BN-SJSB083(0-2)**	**11215702-072221-BN-SJSB083(2-4)**	**11215702-072221-BN-SJSB083(4-6)**	**11215702-072221-BN-SJSB083(6-8)**	**11215702-072221-BN-SJSB083(8-10)**
Sample Date:		**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/22/2021**
Sample Depth:		**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	510	35	3.3 J	0.078 U	530
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	2400	1700	1700	1000	3800
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	750	69	0.44 J	0.23 J	450
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	160	71	77	51	160
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	250	23	0.051 U	0.059 U	160
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2800	280	1.0 J	0.64 J	1700
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.2 J	0.31 U	0.93 J	0.78 J	0.70 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	760	75	0.36 J	0.041 U	410
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	11 J	0.39 U	1.9 J	1.4 J	8.0 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	49 J	5.0 J	0.024 U	0.038 U	28 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5.5 J	3.2 J	4.3 J	3.2 J	5.7 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2100	200	0.62 J	0.74 J	980
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	210	12	0.15 U	0.15 U	91
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	87 J	9.0	0.024 U	0.042 U	44
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1300	98	0.34 J	0.079 U	560
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	220000	4400	16	29	38000
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	23000	1700	5.9	9.7	11000
Total heptachlorodibenzofuran (HpCDF)	pg/g	1200 J	110 J	0.44 J	0.23 J	740 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	380 J	190 J	220 J	120 J	460 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	4200 J	420 J	1.4 J	0.64 J	2400 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	72 J	28 J	67 J	37 J	71 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	5200 J	460 J	0.96 J	0.74 J	2400 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	210 J	14 J	11 J	6.5 J	91 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	160000 J	8200 J	29 J	57 J	67000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	25000 J	1800 J	7.8 J	9.7 J	12000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	46000 J	2200 J	9.8 J	14 J	15000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	46000 J	2200 J	9.8 J	14 J	15000 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB083-Waste**	**SJSB083**	**SJSB083-Waste**	**SJSB083**
Sample Identification:		**11215702-072221-BN-SJSB083(8-10)-WC**	**11215702-072221-BN-SJSB083(10-12)**	**11215702-072221-BN-SJSB083(10-12)-WC**	**11215702-072221-BN-SJSB083(12-14)**
Sample Date:		**07/22/21**	**07/22/2021**	**07/22/21**	**07/22/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	370	6.5 J	0.14 U	2.3 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	4100	1600	1100	1300
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	140	12	1.6 J	1.6 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	180	62	39	51
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	46	5.2 J	0.68 J	0.32 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	500	44	5.5 J	3.1 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.1 J	0.89 J	0.26 U	0.54 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	140	12	1.3 J	0.76 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.2 J	1.1 J	0.30 U	1.1 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	9.8 J	0.29 U	0.29 J	0.053 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	8.8 J	3.2 J	2.2 J	2.7 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	330	16	3.4 J	1.9 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	31	1.2 J	0.58 J	0.14 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	16	0.30 U	0.079 U	0.053 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	190	8.1	2.0 J	0.97 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	11000	430	95	50
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3100	140	34	17
Total heptachlorodibenzofuran (HpCDF)	pg/g	240 J	20 J	2.3 J	2.3 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	490 J	180 J	120 J	170 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	740 J	59 J	7.1 J	3.8 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	92 J	42 J	30 J	39 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	770 J	34 J	6.6 J	2.9 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	37 J	7.6 J	6.0 J	6.2 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	21000 J	820 J	180 J	99 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3400 J	160 J	38 J	17 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	4400 J	200 J	47 J	24 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	4400 J	200 J	47 J	24 J

Notes:

U - Not detected at the associated reporting limit
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB083**	**SJSB083**	**SJSB083**	**SJSB084**	**SJSB084**
Sample Identification:		**11215702-072221-BN-SJSB083(14-16)**	**11215702-072221-BN-SJSB083(16-18)**	**11215702-072221-BN-SJSB083(18-20)**	**11215702-072021-BN-SJSB084(0-2)**	**11215702-072021-BN-SJSB084(2-4)**
Sample Date:		**07/22/2021**	**07/22/2021**	**07/22/2021**	**07/20/2021**	**07/20/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(18-20) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.080 U	7.3 J	0.34 U	570	100
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	980	360	19 J	7000	2500
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.40 J	0.30 J	0.29 U	320	65
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	40	19	1.1 U	270	77
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.049 U	0.036 U	0.11 U	110	19
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.88 J	0.029 U	0.75 J	1100	200
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.42 J	0.35 J	0.073 U	4.3 J	1.2 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.27 J	0.029 U	0.23 U	300	52
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.93 J	0.099 U	0.12 U	11	2.4 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.034 U	0.028 U	0.16 U	20	4.6 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.4 J	1.3 J	0.13 U	8.6 J	2.9 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.53 J	0.039 U	0.49 J	860	220
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.16 U	0.11 U	0.14 U	82	21
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.034 U	0.028 U	0.082 U	35 J	6.7 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.37 J	0.043 U	0.38 J	530	200
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	16	1.2 J	12	18000	8100
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	6.0	0.11 U	3.3	9600	2300
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.40 J	0.82 J	0.51 J	530 J	110 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	130 J	54 J	3.3 J	770 J	270 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.1 J	0.029 U	1.4 J	1600 J	300 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	38 J	12 J	1.5 J	130 J	48 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.90 J	0.043 U	1.4 J	2200 J	630 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	7.6 J	1.6 J	0.56 J	100 J	29 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	31 J	1.3 J	24 J	62000 J	22000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	8.5 J	0.32 U	3.8 J	11000 J	2600 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	8.9 J	0.59 J	4.7 J	12000 J	3200 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	9.0 J	0.72 J	4.8 J	12000 J	3200 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB084	SJSB084	SJSB084	SJSB084	SJSB084
Sample Identification:		11215702-072021-BN-SJSB084(4-6)	11215702-072021-BN-SJSB084(6-8)	11215702-072021-BN-SJSB084(8-10)	11215702-072021-BN-SJSB084(10-12)	11215702-072021-BN-SJSB084(12-14)
Sample Date:		07/20/2021	07/20/2021	07/20/2021	07/20/2021	07/20/2021
Sample Depth:		(4-6) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(10-12) ft BGS	(12-14) ft BGS
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	6.7 U	1.0 U	6.9 U	1.4 U	0.84 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	2300	1600	1900	1400	1700
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.2 J	0.45 J	0.27 J	0.23 J	0.11 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	84	63	71	52	62
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.46 J	0.076 U	0.080 U	0.062 U	0.12 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.8 J	1.4 J	0.25 J	0.24 J	0.40 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.85 J	0.92 J	0.78 J	0.88 J	0.98 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.85 J	0.57 J	0.15 J	0.055 U	0.21 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.0 J	1.6 J	1.7 J	1.1 J	1.5 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	1.2 U	1.1 U	1.0 U	1.1 U	1.4 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	4.2 J	3.1 J	3.6 J	2.8 J	3.5 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.4 J	1.6 J	0.63 J	0.64 J	0.73 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.52 J	0.14 U	0.34 J	0.40 J	0.54 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.092 J	0.098 J	0.049 U	0.042 U	0.078 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.6 J	0.89 J	0.21 J	0.21 J	0.23 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	120	52	8.4	18	8.1
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	29	15	2.8	4.0	2.8
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.5 J	0.67 J	1.0 J	0.44 J	0.12 U
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	240 J	200 J	210 J	190 J	220 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.8 J	3.4 J	1.4 J	1.4 J	2.0 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	63 J	47 J	53 J	50 J	58 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	6.2 J	3.1 J	1.1 J	1.1 J	1.2 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	11 J	8.4 J	11 J	8.9 J	10 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	230 J	100 J	17 J	33 J	16 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	38 J	22 J	9.0 J	10 J	12 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	45 J	22 J	6.0 J	7.7 J	6.0 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	45 J	23 J	6.1 J	7.8 J	6.1 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB084**	**SJSB084**	**SJSB085**	**SJSB085**	**SJSB085**
Sample Identification:		**11215702-072021-BN-SJSB084(14-16)**	**11215702-072021-BN-SJSB084(16-18)**	**11215702-072321-BN-SJSB085(0-2)**	**11215702-072321-BN-SJSB085(2-4)**	**11215702-072321-BN-SJSB085(4-6)**
Sample Date:		**07/20/2021**	**07/20/2021**	**07/23/2021**	**07/23/2021**	**07/23/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.7 U	2.8 U	770	13 J	0.88 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1300	1800	5300	1600	1000
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.24 J	0.72 J	1200	16	0.64 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	56	72	300	59	34
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.087 U	0.10 U	380	5.4 J	0.20 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.19 J	0.44 J	3600	54	2.0 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.0 J	0.66 J	4.5 J	0.82 U	0.44 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.25 J	960	14	0.59 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.2 J	1.4 J	16	1.7 J	0.68 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	1.2 U	1.2 U	49	1.1 J	0.12 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.4 J	3.9 J	9.4 J	2.8 J	1.5 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.55 J	0.62 J	2400	45	1.5 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.16 U	0.14 U	240	4.4 J	0.21 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.052 U	0.050 U	100	1.8 J	0.092 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.11 J	0.15 J	1600	26	0.97 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	4.7	3.9	98000 J	1700 J	65
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1.5 J	1.4 J	31000 J	530	19
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.52 J	1.1 J	1900 J	27 J	1.0 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	200 J	230 J	710 J	150 J	110 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.7 J	1.9 J	5300 J	82 J	3.1 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	58 J	60 J	130 J	27 J	28 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.79 J	1.1 J	6200 J	110 J	3.7 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	11 J	13 J	260 J	9.1 J	6.0 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	9.8 J	7.9 J	170000 J	2900 J	120 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	12 J	11 J	34000 J	580 J	24 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	3.6 J	3.8 J	42000 J	720 J	27 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	3.7 J	3.9 J	42000 J	720 J	27 J

Notes:

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J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB085**	**SJSB085**	**SJSB085**	**SJSB085**	**SJSB085**
Sample Identification:		**11215702-072321-BN-SJSB085(6-8)**	**11215702-072321-BN-SJSB085 (6-8)-R**	**11215702-072321-BN-SJSB085(8-10)**	**11215702-072321-BN-SJSB085(10-12)**	**11215702-072321-BN-SJSB085(12-14)**
Sample Date:		**07/23/2021**	**07/23/2021**	**07/23/2021**	**07/23/2021**	**07/23/2021**
Sample Depth:		**(6-8) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
			Lab Duplicate			
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	2.5 J	0.31 U	1.1 U	0.66 U	0.64 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	2500 J	810 J	750	2100	1700
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.3 J	0.49 U	1.0 J	0.24 U	0.20 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	72 J	30 J	24	82	73
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.40 U	0.065 U	0.26 U	0.048 U	0.10 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.5 J	0.37 U	2.5 J	0.28 J	0.37 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.68 U	0.47 U	0.42 U	1.1 U	0.87 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.0 J	0.14 U	0.77 J	0.11 U	0.12 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 J	0.80 J	0.53 J	1.7 J	1.9 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.044 U	0.10 U	0.12 U	0.20 U	0.12 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.1 J	1.4 U	0.98 J	3.8 J	3.6 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.5 J	0.35 J	1.7 J	0.17 J	0.30 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.49 J	0.15 J	0.27 J	0.35 J	0.29 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.031 U	0.090 J	0.033 U	0.026 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.6 J	0.24 J	0.95 J	0.083 J	0.14 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	97 J	17 J	55	3.4	12
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	31 J	4.6 J	18	1.5 J	3.6
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.2 J	0.16 J	1.5 J	0.24 J	0.27 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	200 J	83 J	79 J	240 J	200 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.2 J	0.61 J	3.9 J	0.59 J	0.62 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	45 J	26 J	19 J	57 J	47 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	6.4 J	0.86 J	4.1 J	0.35 J	0.69 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	8.7 J	6.8 J	4.1 J	11 J	9.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	180 J	29 J	100 J	5.4 J	21 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	38 J	8.9 J	23 J	7.0 J	9.8 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	44 J	7.4 J	25 J	4.2 J	7.0 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	44 J	7.4 J	25 J	4.3 J	7.0 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB085**	**SJSB085**	**SJSB086**	**SJSB086**	**SJSB086**
Sample Identification:		**11215702-072321-BN-SJSB085(14-16)**	**11215702-072321-BN-SJSB085(16-18)**	**11215702-080421-BN-SJSB086(0-2)**	**11215702-080421-BN-SJSB086(2-4)**	**11215702-080421-BN-SJSB086(4-6)**
Sample Date:		**07/23/2021**	**07/23/2021**	**08/04/2021**	**08/04/2021**	**08/04/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.8 U	0.52 U	0.45 U	1.9 U	0.48 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1600	1300	580	1300	700
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.85 U	0.28 U	0.31 U	1.0 U	0.18 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	66	51	25	69	38
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.20 U	0.071 U	0.075 U	0.43 J	0.058 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.86 J	0.67 J	0.32 J	0.52 J	0.054 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.73 U	0.82 U	0.60 U	0.61 U	0.55 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.26 U	0.27 J	0.17 J	0.38 J	0.084 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.6 J	1.2 J	0.94 J	1.4 J	0.97 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.16 U	0.13 U	0.20 U	0.25 U	0.13 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.6 J	2.8 J	1.9 J	2.9 J	2.0 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.70 J	0.58 J	0.47 J	0.51 J	0.042 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.37 J	0.39 J	0.27 J	0.27 J	0.19 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.10 J	0.048 U	0.089 U	0.10 U	0.069 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.33 J	0.31 J	0.21 J	0.18 J	0.042 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	21	16	11	0.89 J	0.35 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	6.3	5.2	2.7	0.24 J	0.13 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.1 J	0.28 J	0.31 J	2.0 J	0.17 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	190 J	170 J	64 J	140 J	83 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.4 J	1.1 J	0.78 J	1.5 J	0.32 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	46 J	43 J	17 J	24 J	17 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.5 J	1.4 J	1.1 J	1.5 J	0.14 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	9.3 J	10 J	2.8 J	2.8 J	2.2 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	38 J	29 J	19 J	3.1 J	1.0 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	13 J	12 J	6.1 J	3.5 J	2.4 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	11 J	8.7 J	4.9 J	2.3 J	1.2 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	11 J	7.6 J	5.0 J	2.3 J	1.3 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB086	SJSB086	SJSB086	SJSB086	SJSB086
Sample Identification:		11215702-080421-BN-SJSB086(6-8)	11215702-080421-BN-DUP-12	11215702-080421-BN-SJSB086(8-10)	11215702-080421-BN-SJSB086(10-12)	11215702-080421-BN-SJSB086(12-14)
Sample Date:		08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021
Sample Depth:		(6-8) ft BGS	(6-8) ft BGS Field Duplicate	(8-10) ft BGS	(10-12) ft BGS	(12-14) ft BGS
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	880	490	1700	1400	760
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.18 U	0.27 U	0.18 U	0.25 U	0.27 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	30	17	70	66	35
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.069 U	0.053 U	0.063 U	0.062 U	0.057 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.040 U	0.18 J	0.049 U	0.065 U	0.43 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.45 U	0.37 U	0.92 U	1.0 U	0.42 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.040 U	0.084 J	0.080 J	0.067 U	0.21 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.67 J	0.48 U	1.8 J	1.8 J	0.78 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.13 U	0.12 U	0.13 U	0.16 U	0.11 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.3 J	0.89 J	3.9 J	4.2 J	1.7 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.069 J	0.36 J	0.052 U	0.070 U	0.30 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.17 J	0.14 J	0.14 U	0.32 J	0.21 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.069 U	0.069 U	0.035 U	0.076 U	0.045 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.051 U	0.11 J	0.050 U	0.072 U	0.18 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.40 U	1.0 J	0.30 U	0.23 U	6.5
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.21 J	0.29 J	0.24 J	0.25 J	1.4 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.14 J	0.27 J	0.15 J	0.25 J	0.27 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	89 J	61 J	230 J	210 J	83 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.19 J	0.45 J	0.26 J	0.23 J	0.72 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	18 J	14 J	54 J	58 J	17 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.069 J	0.46 J	0.052 U	0.073 U	0.48 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.3 J	1.8 J	8.3 J	9.6 J	2.6 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	0.88 J	1.6 J	1.0 J	0.73 J	13 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	2.3 J	2.3 J	6.7 J	7.9 J	3.5 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	1.1 J	1.0 J	2.0 J	2.3 J	3.2 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1.2 J	1.1 J	2.2 J	2.3 J	3.2 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB086**	**SJSB086**	**SJSB087**	**SJSB087**	**SJSB087**
Sample Identification:		**11215702-080421-BN-SJSB086(14-16)**	**11215702-080421-BN-SJSB086(16-18)**	**11215702-081021-BN-SJSB087(0-2)**	**11215702-081021-BN-SJSB087(2-4)**	**11215702-081021-BN-SJSB087(4-6)**
Sample Date:		**08/04/2021**	**08/04/2021**	**08/10/2021**	**08/10/2021**	**08/10/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.45 U	0.58 U	90	330	48
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1800	1100	2000	4300	2600
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.18 U	0.18 U	150	810	89
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	72	45	89	220	82
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.045 U	0.042 U	54	270 J+	30
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.23 J	0.064 J	1100	2800	370
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.99 U	0.83 U	1.2 U	2.3 U	1.0 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.11 J	0.034 U	260	710	95
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.7 J	0.97 J	3.0 J	11 J	2.3 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.13 U	0.11 U	19	46 J	6.2 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.6 J	2.4 J	2.9 J	6.5 J	3.2 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.14 J	0.065 J	1200	1800	250
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.32 J	0.23 J	23	130	11
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.031 U	0.025 U	37	71 J	12
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.053 U	0.045 U	440	930	100
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.7	0.17 U	12000 J	48000 J	4200 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.54 J	0.17 J	3100 J	19000 J	1800 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.11 J	0.28 J	250 J	1300 J	140 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	200 J	160 J	250 J	490 J	210 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.48 J	0.15 J	1600 J	4000 J	550 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	48 J	46 J	44 J	83 J	39 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.14 J	0.065 J	2600 J	4100 J	530 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	7.5 J	8.1 J	31 J	140 J	18 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	3.8 J	0.51 J	21000 J	91000 J	7900 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.4 J	6.9 J	3400 J	21000 J	1900 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	2.9 J	1.5 J	4600 J	25000 J	2300 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	2.9 J	1.6 J	4600 J	25000 J	2300 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB087**	**SJSB087**	**SJSB087**	**SJSB087**	**SJSB087**
Sample Identification:		**11215702-081021-BN-SJSB087(6-8)**	**11215702-081021-BN-DUP-17**	**11215702-081021-BN-SJSB087(8-10)**	**11215702-081021-BN-SJSB087(10-12)**	**11215702-081021-BN-SJSB087(12-14)**
Sample Date:		**08/10/2021**	**08/10/2021**	**08/10/2021**	**08/10/2021**	**08/10/2021**
Sample Depth:		**(6-8) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
			Field Duplicate			
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	3.3 U	0.88 U	14	0.88 U	1.9 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	830	520	990	1100	300
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.92 U	0.35 U	24	0.35 U	3.0 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	29	21	45	40	11
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.30 U	0.036 U	8.2	0.061 U	0.98 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.98 J	0.17 J	66	0.30 J	9.5
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.49 U	0.42 U	0.63 U	0.60 U	0.31 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.33 J	0.068 J	17	0.11 J	2.8 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.76 J	0.56 J	1.2 J	1.1 J	0.29 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.081 J	0.065 J	1.1 J	0.16 J	0.20 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 J	1.4 J	2.3 J	2.8 J	0.57 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.58 J	0.13 J	40	0.18 J	7.4
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.086 U	0.13 J	3.1 J	0.15 U	0.64 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.046 U	0.024 U	1.8 J	0.045 U	0.39 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.35 J	0.030 U	20	0.084 U	4.3 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	22 J	3.3 J	1200 J	5.0	280
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	6.8 J	1.3 J	430	1.7 J	80
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.5 J	0.12 J	37 J	0.14 J	4.7 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	88 J	74 J	130 J	150 J	33 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.4 J	0.30 J	96 J	0.57 J	15 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	21 J	18 J	27 J	40 J	8.1 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.7 J	0.22 J	90 J	0.18 J	17 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.8 J	3.7 J	7.7 J	4.3 J	1.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	35 J	6.5 J	2300 J	8.6 J	540 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	9.7 J	3.6 J	470 J	4.8 J	88 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	10 J	2.4 J	570 J	3.4 J	110 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	10 J	2.4 J	570 J	3.5 J	110 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB087	SJSB087	SJSB087	SJSB087	SJSB088
Sample Identification:		11215702-081021-BN-SJSB087 (12-14)-R	11215702-081021-BN-SJSB087(14-16)	11215702-081021-BN-SJSB087 (14-16)-R	11215702-081021-BN-SJSB087(16-18)	11215702-080621-BN-SJSB088(0-2)
Sample Date:		08/10/2021	08/10/2021	08/10/2021	08/10/2021	08/06/2021
Sample Depth:		(12-14) ft BGS	(14-16) ft BGS	(14-16) ft BGS	(16-18) ft BGS	(0-2) ft BGS
		Lab Duplicate		Lab Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	2.6 U	9.9 U	27	2.6 U	400
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	420	930	1400	210	1600
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2.9 J	20 J	52 J	0.68 U	890
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	14	36	52	10	120 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.94 U	9.2	18	0.26 U	310
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	8.4	74 J	180 J	0.50 J	2900
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.28 U	0.59 U	0.86 U	0.35 U	5.5 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.8 J	18 J	49 J	0.24 U	770
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.39 J	0.95 J	1.6 J	0.38 U	12 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.20 U	1.3 J	3.2 J	0.17 U	38 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.70 U	2.6 J	3.4 J	0.90 J	2.0 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	6.7	42 J	120 J	0.31 U	2100
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.64 J	3.1 J	7.4 J	0.43 U	300
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.39 J	1.9 J	5.6 J	0.17 U	81 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3.8 J	21 J	54 J	0.32 U	1700
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	270	1100 J	2600 J	5.8	130000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	75	440 J	1200 J	1.8 J	25000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	4.8 J	35 J	83 J	0.56 J	1400 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	45 J	150 J	190 J	44 J	250 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	13 J	110 J	260 J	0.50 J	4300 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	10 J	39 J	45 J	15 J	59 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	16 J	96 J	260 J	0.35 U	6000 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.5 J	9.2 J	13 J	2.1 J	300 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	540 J	2100 J	5500 J	7.8 J	160000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	83 J	480 J	1300 J	3.1 J	28000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	110 J	570 J	1500 J	2.7 J	39000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	110 J	570 J	1500 J	3.0 J	39000 J

Notes:

U - Not detected at the associated reporting limit
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB088**	**SJSB088**	**SJSB088**	**SJSB088**	**SJSB088**
Sample Identification:		**11215702-080621-BN-SJSB088(2-4)**	**11215702-080621-BN-SJSB088(4-6)**	**11215702-080621-BN-SJSB088(6-8)**	**11215702-080621-BN-SJSB088 (6-8)-R**	**11215702-080621-BN-DUP-14**
Sample Date:		**08/06/2021**	**08/06/2021**	**08/06/2021**	**08/06/2021**	**08/06/2021**
Sample Depth:		**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**	**(6-8) ft BGS**	**(6-8) ft BGS**
					Lab Duplicate	**Field Duplicate**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	420	970	960	860	1200
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1400 J-	3900	4600	5700	6000
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	940	2100	2200	2000	2700
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	120 J	300	340	370	420
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	300 J+	820	700	760	970
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2900	7700	7300	9400	9800
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.6 U	7.0 J	2.9 U	9.2 U	5.5 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	800	2100	1900	2100	2500
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	8.7 J	20 J	30 J	25 J	28 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	32 J	110 J	98 J	140	150 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.4 U	8.2 J	2.6 U	15 U	12 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2300	4900	4500	5800	7000
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	300 J+	330	320	380	290
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	95 J	210 J	210 J	220	290
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1800	2400	2300	2800	2900
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	170000 J	130000 J	120000 J	130000 J	110000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	25000 J	35000 J	40000 J	55000 J	49000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1400 J	3400 J	3400 J	3300 J	4400 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	250 J	640 J	700 J	750 J	910 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	4300 J	11000 J	10000 J	13000 J	14000 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	31 J	110 J	140 J	160 J	150 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	6400 J	92000 J	11000 J	14000 J	15000 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	300 J	330 J	320 J	430 J	320 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	200000 J	190000 J	180000 J	320000 J	200000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	27000 J	39000 J	45000 J	62000 J	53000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	43000 J	50000 J	54000 J	71000 J	63000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	43000 J	50000 J	54000 J	71000 J	63000 J

Notes:

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TEQ - Toxicity Equivalent Quotient
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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB088**	**SJSB088**	**SJSB088**	**SJSB088**	**SJSB088**
Sample Identification:		**11215702-080621-BN-SJSB088(8-10)**	**11215702-080621-BN-SJSB088(10-12)**	**11215702-080621-BN-SJSB088(12-14)**	**11215702-080621-BN-SJSB088(14-16)**	**11215702-080621-BN-SJSB088(16-18)**
Sample Date:		**08/06/2021**	**08/06/2021**	**08/06/2021**	**08/06/2021**	**08/06/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1200	0.54 U	0.071 U	0.39 U	9.2 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	6300	170	150	390	150 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2400	0.33 J	0.051 U	0.13 U	17 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	420	9.5	7.0	20	8.4 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	770	0.060 U	0.062 U	0.061 U	6.6 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	7700	0.75 J	0.047 U	0.14 U	64 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5.4 J	0.11 U	0.34 J	0.36 J	0.43 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2000	0.18 J	0.048 U	0.049 U	16 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	29 J	0.12 U	0.28 J	0.44 J	0.44 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	91 J	0.022 U	0.10 U	0.094 U	1.5 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	12 J	0.10 U	0.57 U	2.1 J	0.40 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	5200	0.45 J	0.071 U	0.054 U	40 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	300	0.13 U	0.093 U	0.098 U	2.9 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	200 J	0.023 U	0.034 U	0.035 U	1.8 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2400	0.18 J	0.075 U	0.056 U	19 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	130000 J	10	0.79 J	1.2 J	930 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	36000 J	3.9	0.32 J	0.51 J	410 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	3700 J	0.49 J	0.062 U	0.11 J	28 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	850 J	35 J	33 J	96 J	29 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	11000 J	0.93 J	0.10 J	0.24 J	90 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	140 J	11 J	11 J	35 J	9.5 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	12000 J	0.78 J	0.075 U	0.060 U	94 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	300 J	0.13 U	2.3 J	6.4 J	3.8 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	190000 J	17 J	1.2 J	2.1 J	2000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	39000 J	3.9 J	2.0 J	4.8 J	440 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	51000 J	5.2 J	0.58 J	1.2 J	520 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	51000 J	5.3 J	0.68 J	1.3 J	520 J

Notes:

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J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB088**	**SJSB088**	**SJSB088**	**SJSB088**	**SJSB089**
Sample Identification:		**11215702-080621-BN-SJSB088 (16-18)-R**	**11215702-080621-BN-SJSB088(18-20)**	**11215702-080621-BN-SJSB088(20-22)**	**11215702-080621-BN-SJSB088(22-24)**	**11215702-080721-BN-SJSB089(0-2)**
Sample Date:		**08/06/2021**	**08/06/2021**	**08/06/2021**	**08/06/2021**	**08/07/2021**
Sample Depth:		**(16-18) ft BGS**	**(18-20) ft BGS**	**(20-22) ft BGS**	**(22-24) ft BGS**	**(0-2) ft BGS**
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	20	0.40 U	0.17 U	0.20 U	28
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	280 J	220	290	210	1900
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	57	0.26 U	0.26 U	0.21 U	41
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	16	11	16	11	55
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	23	0.14 U	0.077 U	0.0030 U	13
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	260 J	0.64 J	0.28 J	0.23 U	100
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.39 U	0.040 U	0.70 J	0.34 J	0.85 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	54	0.18 U	0.0075 U	0.21 U	27
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.79 J	0.38 J	0.66 J	0.035 U	1.5 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	3.2 J	0.14 U	0.14 U	0.0030 U	1.8 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.82 U	0.042 U	0.84 J	0.52 J	2.3 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	130 J	0.90 J	0.28 U	0.32 U	62
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	7.8	0.14 J	0.11 J	0.33 J	4.6 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	5.3 J	0.083 U	0.086 U	0.0025 U	3.0 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	75	0.66 J	0.22 U	0.25 U	32
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	3600 J	2.6	3.5	0.77 J	1600 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1400 J	1.6	1.2 J	0.36 J	630 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	95 J	0.55 J	0.42 J	0.32 J	63 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	47 J	49 J	81 J	54 J	170 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	360 J	1.2 J	0.65 J	0.60 J	160 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	13 J	20 J	30 J	19 J	37 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	320 J	2.6 J	0.79 J	0.66 J	160 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	9.5 J	2.8 J	8.7 J	6.3 J	10 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	6700 J	13 J	7.9 J	1.4 J	3600 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1600 J	3.1 J	4.4 J	5.2 J	690 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	1800 J	2.5 J	2.2 J	1.0 J	820 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1800 J	2.5 J	2.2 J	1.1 J	820 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB089	SJSB089	SJSB089	SJSB089	SJSB089
Sample Identification:		11215702-080721-BN-SJSB089(2-4)	11215702-080721-BN-SJSB089(4-6)	11215702-080721-BN-SJSB089(6-8)	11215702-080721-BN-DUP-19	11215702-080721-BN-DUP-19-R
Sample Date:		08/07/2021	08/07/2021	08/07/2021	08/07/2021	08/07/2021
Sample Depth:		(2-4) ft BGS	(4-6) ft BGS	(6-8) ft BGS	(6-8) ft BGS Field Duplicate	(6-8) ft BGS Lab Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.3 U	0.39 U	0.39 U	0.39 U	0.38 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	480	910	1100	1600 J	940 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	2.1 J	0.35 U	0.16 U	0.14 U	0.49 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	17	41	48	72	48
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.74 J	0.16 J	0.072 U	0.081 U	0.36 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	7.6	0.99 J	0.087 U	0.18 U	0.20 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.43 J	0.58 J	0.74 J	0.84 J	0.93 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.0 J	0.28 J	0.11 J	0.11 J	0.13 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.52 J	0.85 J	1.4 J	1.8 J	1.6 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.17 U	0.11 U	0.18 U	0.11 U	0.16 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 J	2.4 J	3.0 J	3.7 J	3.4 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	4.3 J	0.96 J	0.063 U	0.072 U	0.14 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.45 J	0.23 J	0.36 J	0.31 J	0.35 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.22 U	0.064 U	0.037 U	0.042 U	0.060 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.0 J	0.64 J	0.065 U	0.075 U	0.090 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	110	37	1.0 J	2.4	2.7
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	39	13	0.71 J	1.1 J	1.0 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	3.4 J	0.66 J	0.16 J	0.14 J	0.30 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	68 J	120 J	150 J	220 J	150 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	11 J	1.6 J	0.38 J	0.41 J	0.55 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	21 J	33 J	39 J	47 J	43 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	9.8 J	2.3 J	0.066 U	0.079 U	0.23 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	5.0 J	7.4 J	8.1 J	7.4 J	7.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	210 J	70 J	2.2 J	4.2 J	4.7 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	45 J	18 J	5.0 J	5.4 J	5.3 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	53 J	18 J	2.5 J	3.5 J	3.1 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	53 J	18 J	2.5 J	3.5 J	3.1 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB089	SJSB089	SJSB089	SJSB089	SJSB089
Sample Identification:		11215702-080721-BN-SJSB089(8-10)	11215702-080721-BN-SJSB089 (8-10)-R	11215702-080721-BN-SJSB089(10-12)	11215702-080721-BN-SJSB089 (10-12)-R	11215702-080721-BN-SJSB089(12-14)
Sample Date:		08/07/2021	08/07/2021	08/07/2021	08/07/2021	08/07/2021
Sample Depth:		(8-10) ft BGS	(8-10) ft BGS	(10-12) ft BGS	(10-12) ft BGS	(12-14) ft BGS
			Lab Duplicate		Lab Duplicate	
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.92 U	0.92 U	1.2 U	0.45 U	0.067 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	770	740	390 J	210 J	66
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.6 J	1.4 U	1.9 J	0.56 U	0.13 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	27	32	14	8.1	2.5 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.51 J	0.54 U	0.64 J	0.36 U	0.056 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	5.5 J	5.3 J	5.1 J	2.0 J	0.25 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.38 J	0.45 U	0.26 J	0.28 U	0.24 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.5 J	1.2 J	1.4 J	0.48 J	0.050 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.65 J	0.89 J	0.35 J	0.24 U	0.098 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.17 U	0.16 U	0.14 U	0.11 U	0.032 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 J	1.8 J	0.81 J	0.53 U	0.21 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	4.9 J	3.0 J	2.6 J	1.2 J	0.15 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.34 J	0.44 J	0.34 J	0.20 J	0.069 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.22 U	0.18 U	0.14 U	0.11 U	0.033 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.1 J	1.7 J	1.3 J	0.68 J	0.050 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	100	84	70 J	38 J	3.7
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	39	32	25 J	14 J	1.5
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.6 J	2.4 J	3.1 J	0.98 J	0.13 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	90 J	98 J	49 J	28 J	8.9 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	8.3 J	7.6 J	7.6 J	3.0 J	0.30 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	21 J	27 J	13 J	7.5 J	3.1 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	11 J	7.2 J	5.9 J	2.8 J	0.15 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	4.1 J	4.6 J	1.9 J	1.2 J	0.64 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	200 J	160 J	140 J	64 J	7.2 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	45 J	37 J	29 J	15 J	2.1 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	52 J	43 J	34 J	19 J	1.0 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	52 J	43 J	34 J	19 J	2.0 J

Notes:

U - Not detected at the associated reporting limit
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB089**	**SJSB089**	**SJSB090**	**SJSB090**	**SJSB090**
Sample Identification:		**11215702-080721-BN-SJSB089(14-16)**	**11215702-080721-BN-SJSB089(16-18)**	**11215702-080221-BN-SJSB090(0-2)**	**11215702-080221-BN-SJSB090(2-4)**	**11215702-080221-BN-SJSB090(4-6)**
Sample Date:		**08/07/2021**	**08/07/2021**	**08/02/2021**	**08/02/2021**	**08/02/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.11 U	0.39 U	820	170 J-	11 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	940	25	5100	1600	850
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.069 U	0.041 U	2000	390 J-	20
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	40	0.94 U	360	83	54
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.085 U	0.053 U	650	130 J-	7.4
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.066 U	0.056 U	6800	1000	73
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.61 J	0.24 J	4.8 J	0.84 J	0.68 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.065 U	0.054 U	1800	240 J-	18
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.2 J	0.060 U	25	4.0 J	1.5 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.13 U	0.039 U	110 J	9.6	1.4 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	4.4 J	0.12 U	9.5 J	2.4 J	2.6 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.076 U	0.055 U	5000	410 J-	57
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.29 J	0.075 U	320	35	5.3 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.048 U	0.040 U	200	18	2.1 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.079 U	0.057 U	2600	230 J-	34
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.1 J	0.60 J	110000 J	12000 J	2000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.60 J	0.24 J	49000 J	5100 J	700 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.085 U	0.053 U	3100 J	610 J	36 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	160 J	3.0 J	740 J	190 J	120 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.13 J	0.056 U	9800 J	1400 J	100 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	47 J	1.5 J	180 J	40 J	26 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.090 U	0.060 U	12000 J	1000 J	140 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	9.1 J	0.25 U	330 J	39 J	8.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	2.0 J	0.89 J	220000 J	25000 J	3600 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.4 J	0.60 J	56000 J	5800 J	780 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	2.3 J	0.33 J	62000 J	6600 J	930 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	2.3 J	0.40 J	62000 J	6600 J	930 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB090	SJSB090	SJSB090	SJSB090	SJSB090
Sample Identification:		11215702-080221-BN-SJSB090(6-8)	11215702-080221-BN-DUP-11	11215702-080221-BN-SJSB090(8-10)	11215702-080221-BN-SJSB090 (8-10)-R	11215702-080221-BN-SJSB090(10-12)
Sample Date:		08/02/2021	08/02/2021	08/02/2021	08/02/2021	08/02/2021
Sample Depth:		(6-8) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(8-10) ft BGS	(10-12) ft BGS
			Field Duplicate		Lab Duplicate	
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.67 U	0.67 U	3.3 U	5.0 J	0.67 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	250	280	630	490	1400
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.22 U	0.057 U	7.8	12	0.23 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	11	12	28	28	59
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.25 U	0.062 U	2.8 J	4.2 J	0.049 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.88 J	0.25 J	31	48	0.54 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.55 J	0.33 J	0.49 J	0.40 U	0.76 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.21 U	0.11 J	8.2	13	0.14 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.39 J	0.44 J	0.75 J	0.68 J	1.3 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.14 U	0.11 J	0.66 J	0.89 J	0.14 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.27 U	0.75 J	1.5 J	1.3 J	3.2 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.71 J	0.19 J	29	42	0.51 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.38 U	0.089 U	1.7 J	2.8 J	0.31 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.15 U	0.048 U	1.0 J	1.5 J	0.033 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.27 U	0.16 J	15	21	0.19 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	12	4.9	620 J	1200 J	7.5
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	4.5	1.9	190 J	420 J	2.5
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.25 U	0.062 U	13 J	20 J	0.23 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	36 J	47 J	73 J	71 J	190 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.88 J	0.47 J	45 J	72 J	0.83 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.1 J	13 J	16 J	16 J	48 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.71 J	0.35 J	70 J	99 J	0.92 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.38 U	1.3 J	3.7 J	4.7 J	7.3 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	23 J	8.0 J	1100 J	2500 J	14 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	4.5 J	2.8 J	210 J	470 J	8.6 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	6.1 J	2.9 J	260 J	560 J	5.3 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	6.4 J	2.9 J	260 J	560 J	5.3 J

Notes:

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J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB090**	**SJSB090**	**SJSB090**	**SJSB091**	**SJSB091**
Sample Identification:		**11215702-080221-BN-SJSB090(12-14)**	**11215702-080221-BN-SJSB090(14-16)**	**11215702-080221-BN-SJSB090(16-18)**	**11215702-080321-BN-SJSB091(0-2)**	**11215702-080321-BN-SJSB091(2-4)**
Sample Date:		**08/02/2021**	**08/02/2021**	**08/02/2021**	**08/03/2021**	**08/03/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.8 U	0.67 U	0.88 U	3.3 U	0.67 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	890	780	780	4400	770
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.9 J	0.45 J	0.12 U	0.50 J	0.21 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	36	31	31	130	32
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.83 J	0.050 U	0.14 U	0.14 U	0.045 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	4.8 J	0.61 J	0.13 U	1.1 J	0.51 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.55 J	0.57 J	0.84 J	1.5 J	0.58 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.1 J	0.19 J	0.14 U	0.39 J	0.19 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.81 J	0.72 J	0.89 J	3.0 J	0.91 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.17 J	0.10 J	0.10 J	0.19 J	0.080 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.8 J	1.8 J	2.8 J	5.6 J	2.1 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.86 J	0.28 J	0.17 U	1.1 J	0.56 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.22 J	0.075 U	0.23 U	0.26 U	0.31 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.092 J	0.027 U	0.096 U	0.076 U	0.040 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.39 J	0.18 J	0.17 U	0.50 J	0.23 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	16	7.4	2.9	31	11
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	5.5	2.3	0.87 J	8.6	4.2
Total heptachlorodibenzofuran (HpCDF)	pg/g	3.3 J	0.45 J	0.14 U	0.50 J	0.21 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	110 J	120 J	120 J	300 J	83 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	6.5 J	0.90 J	0.11 U	1.7 J	0.82 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	26 J	28 J	35 J	51 J	21 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.0 J	0.79 J	0.19 U	2.8 J	2.1 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	4.1 J	3.0 J	4.3 J	5.0 J	4.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	29 J	14 J	4.2 J	58 J	25 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	8.9 J	5.5 J	4.5 J	12 J	9.5 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	9.1 J	4.1 J	2.2 J	16 J	6.7 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	9.1 J	4.1 J	2.3 J	16 J	6.7 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB091	SJSB091	SJSB091	SJSB091	SJSB091
Sample Identification:		11215702-080321-BN-SJSB091(4-6)	11215702-080321-BN-SJSB091(6-8)	11215702-080321-BN-DUP-18	11215702-080321-BN-SJSB091(8-10)	11215702-080321-BN-SJSB091(10-12)
Sample Date:		08/03/2021	08/03/2021	08/03/2021	08/03/2021	08/03/2021
Sample Depth:		(4-6) ft BGS	(6-8) ft BGS	(6-8) ft BGS Field Duplicate	(8-10) ft BGS	(10-12) ft BGS
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	340	930	1700	1400	1500
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.21 J	0.057 U	0.12 J	0.038 U	0.20 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	10	39	63	55	62
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.044 U	0.065 U	0.062 U	0.043 U	0.068 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.35 J	0.096 J	0.15 J	0.076 J	0.071 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.33 J	0.66 J	0.77 J	0.71 J	1.0 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.068 J	0.047 U	0.033 U	0.071 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.28 J	1.1 J	1.4 J	1.3 J	1.7 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.080 J	0.15 J	0.20 J	0.14 J	0.14 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.57 J	2.7 J	3.3 J	3.1 J	2.4 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.31 J	0.11 J	0.16 J	0.099 J	0.058 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.11 J	0.29 J	0.30 J	0.082 U	0.27 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.065 J	0.043 J	0.035 U	0.023 U	0.054 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.23 J	0.057 U	0.059 U	0.048 J	0.062 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	14	3.1	1.3 U	1.4 U	0.91 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.2	0.72 J	0.56 J	0.50 J	0.51 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.21 J	0.065 U	0.27 J	0.043 U	0.20 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	38 J	130 J	210 J	190 J	190 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.62 J	0.35 J	0.34 J	0.24 J	0.14 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	11 J	40 J	54 J	51 J	50 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.75 J	0.11 J	0.16 J	0.15 J	0.089 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.9 J	7.3 J	10 J	8.5 J	9.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	32 J	4.3 J	2.5 J	2.6 J	1.6 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	5.4 J	6.4 J	7.4 J	6.2 J	9.0 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	5.2 J	2.5 J	2.6 J	2.0 J	2.4 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	5.2 J	2.5 J	2.7 J	2.1 J	2.4 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB091**	**SJSB091**	**SJSB091**	**SJSB092**	**SJSB092**
Sample Identification:		**11215702-080321-BN-SJSB091(12-14)**	**11215702-080321-BN-SJSB091(14-16)**	**11215702-080321-BN-SJSB091(16-18)**	**11215702-072521-BN-SJSB092(0-2)**	**11215702-072521-BN-SJSB092(2-4)**
Sample Date:		**08/03/2021**	**08/03/2021**	**08/03/2021**	**07/25/2021**	**07/25/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.67 U	0.67 U	0.67 U	450	250
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1100	1200	1900	1800	1200
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.049 U	0.063 J	0.042 U	910	540
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	47	59	82	110	72 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.055 U	0.046 U	0.046 U	330	170
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.048 U	0.048 U	0.040 U	3300	1800
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.75 J	0.81 J	0.84 J	1.9 U	1.1 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.050 U	0.049 U	0.039 U	880	500
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.3 J	1.5 J	2.2 J	9.4 J	7.0 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.086 J	0.087 J	0.14 J	46 J	28 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.6 J	3.2 J	4.5 J	6.3 U	1.1 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.057 U	0.051 U	0.048 U	2200	1400 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.30 J	0.12 U	0.12 U	290	200
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.036 U	0.037 U	0.030 U	82 J	57 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.057 U	0.054 U	0.049 U	1500	1100
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.3 U	0.93 U	0.51 U	210000	110000
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.74 J	0.53 J	0.39 J	21000 J	16000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.055 U	0.063 J	0.046 U	1500 J	820 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	130 J	150 J	210 J	260 J	170 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.086 J	0.087 J	0.14 J	4800 J	2700 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	36 J	45 J	58 J	37 J	35 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.080 J	0.063 J	0.049 U	5700 J	3800 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	9.2 J	11 J	13 J	290 J	200 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	2.9 J	1.9 J	1.3 J	160000 J	130000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.3 J	8.6 J	9.2 J	23000 J	17000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	2.3 J	2.0 J	2.6 J	43000 J	28000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	2.4 J	2.2 J	2.7 J	43000 J	28000 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB092**	**SJSB092**	**SJSB092**	**SJSB092**	**SJSB092**
Sample Identification:		**11215702-072521-BN-SJSB092(4-6)**	**11215702-072521-BN-SJSB092(6-8)**	**11215702-072521-BN-SJSB092(8-10)**	**11215702-072521-BN-SJSB092(10-12)**	**11215702-072521-BN-SJSB092(12-14)**
Sample Date:		**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**
Sample Depth:		**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.6 U	0.075 U	4.9 J	0.11 U	110
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	640	1100	870	1100	1300
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.9 J	0.050 U	0.66 U	0.87 U	200
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	28	43	46	52	55
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1.0 J	0.048 U	0.66 J	0.046 U	69
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	11	0.036 U	1.4 J	2.0 J	660
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.15 U	0.31 U	0.20 U	0.16 U	0.86 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.8 J	0.039 U	0.47 J	0.51 J	180
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.16 U	0.35 U	0.23 U	0.17 U	0.98 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.11 U	0.037 U	0.053 U	0.38 U	11 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.14 U	0.30 U	2.7 J	2.6 J	0.85 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	9.9	0.058 U	1.9 J	1.4 J	550
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.19 U	0.17 U	0.20 U	0.22 U	82
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 U	0.036 U	0.055 U	0.084 U	22 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	6.6 J	0.066 U	0.92 J	0.97 J	420
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	340	7.4	70	71	33000
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	93	3.1	18	17 J	6800 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	3.6 J	0.083 U	1.3 J	0.87 J	310 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	94 J	160 J	150 J	150 J	150 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	14 J	0.077 U	1.9 J	2.9 J	990 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	24 J	38 J	42 J	39 J	26 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	24 J	0.066 U	3.6 J	2.4 J	1500 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.9 U	2.9 U	4.1 U	3.3 U	82 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	670 J	13 J	130 J	150 J	50000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	93 J	3.1 J	18 J	17 J	7400 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	130 J	4.6	27 J	26 J	10000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	130 J	4.8	27 J	26 J	10000 J

Notes:

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J - Estimated concentration
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J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB092**	**SJSB092**	**SJSB093**	**SJSB093**	**SJSB093**
Sample Identification:		**11215702-072521-BN-SJSB092(14-16)**	**11215702-072521-BN-SJSB092(16-18)**	**11215702-082421-BN-SJSB093(0-2)**	**11215702-082421-BN-SJSB093(2-4)**	**11215702-082421-BN-SJSB093(4-6)**
Sample Date:		**07/25/2021**	**07/25/2021**	**08/24/2021**	**08/24/2021**	**08/24/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.55 U	0.067 U	650 J	580 J	7.9 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	340	450	920 J	680 J	460
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.40 U	0.44 U	1500	1200	16 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	12	20	110 J	99 J	22 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.20 U	0.047 U	520 J	350 J	5.7 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.78 J	0.66 J	3900	3000	53 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.35 U	0.33 U	1.2 U	0.29 U	2.1 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.29 J	0.029 U	1000	760	13 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.32 J	0.61 J	33 J	10 J	0.098 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.18 U	0.41 U	5.7 U	2.4 U	4.6 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.77 J	1.6 J	13 J	11 J	2.5 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.54 J	0.063 U	2900	2500	43 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.24 J	0.11 U	390 J	430 J	6.0 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.028 U	190 J	160 J	4.0 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.42 J	0.065 U	2900	2400	40 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	27	20	120000 J	110000 J	1600
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.2	4.5	27000	29000	450
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.68 J	0.44 J	2300 J	1700 J	25 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	38 J	64 J	240 J	180 J	67 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.4 J	1.1 J	5600 J	4300 J	81 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	8.6 J	16 J	120 J	86 J	19 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.3 J	0.24 U	8600 J	7300 J	120 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.3 J	1.7 U	620 J	490 J	9.0 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	47 J	33 J	260000 J	240000 J	3700 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	8.3 J	4.5 J	30000 J	31000 J	500 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	11 J	7.1 J	41000 J	42000 J	640 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	11 J	7.2 J	41000 J	42000 J	640 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB093**	**SJSB093**	**SJSB093**	**SJSB093**	**SJSB093**
Sample Identification:		**11215702-082421-BN-SJSB093(6-8)**	**11215702-082421-BN-SJSB093(8-10)**	**11215702-082421-BN-SJSB093(10-12)**	**11215702-082421-BN-SJSB093(12-14)**	**11215702-082421-BN-SJSB093(14-16)**
Sample Date:		**08/24/2021**	**08/24/2021**	**08/24/2021**	**08/24/2021**	**08/24/2021**
Sample Depth:		**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.051 U	30 J	9.2 J	4.7 U	1.1 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	420	810	480	340	170
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.62 U	63 J	19 J	7.7 J	0.72 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	22 J	51 J	31 J	19 J	12 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.36 U	22 J	8.7 J	3.9 U	0.48 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.53 U	180	86	35 J	1.2 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.22 U	0.056 U	1.3 U	1.1 U	1.2 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.040 U	46 J	22 J	8.8 J	0.50 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.22 U	2.2 J	2.4 U	0.69 U	1.4 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.75 U	0.20 U	0.23 U	1.2 U	0.55 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.22 U	2.1 J	2.3 U	1.2 U	1.6 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.084 U	140	91	30 J	1.5 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.19 U	20 J	13 J	4.4 U	2.8 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.035 U	8.0 J	5.6 J	2.2 U	0.49 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.30 U	120	82	26 J	1.4 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.11 U	5000	4200	1100	45
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.17 U	1300	1000	300	10 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.97 J	98 J	33 J	14 J	1.4 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	87 J	140 J	91 J	77 J	47 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.5 J	260 J	130 J	52 J	2.7 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	31 J	36 J	38 J	36 J	27 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.84 J	400 J	270 J	83 J	4.5 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	5.1 J	36 J	33 J	15 J	13 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	1.7 J	11000 J	9500 J	2300 J	120 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1.3 J	1400 J	1100 J	340 J	16 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.35 J	1900 J	1500 J	420 J	15 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.68 J	1900 J	1500 J	430 J	17 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB093**	**SJSB094**	**SJSB094**	**SJSB094**	**SJSB094**
Sample Identification:		**11215702-082421-BN-SJSB093(16-18)**	**11215702-072621-BN-SJSB094(0-2)**	**11215702-072621-BN-SJSB094(2-4)**	**11215702-072621-BN-SJSB094(4-6)**	**11215702-072621-BN-SJSB094(6-8)**
Sample Date:		**08/24/2021**	**07/26/2021**	**07/26/2021**	**07/26/2021**	**07/26/2021**
Sample Depth:		**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.2 U	460 J	530	570	180 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	220	720 J	750	1700	680 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.60 U	1100	1100	1300	290 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	13 J	68 J	70 J	140	42 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.41 U	280	360	360	110
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.81 U	3200	3600	4400	1300 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.70 U	3.6 J	0.97 U	1.5 UJ	1.2 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.78 U	740	960	1100	330 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.0 U	7.0 J	0.93 U	9.1 J	1.2 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.87 U	42 J	57 J	45 J	16 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 U	5.6 J	0.88 U	7.0 J	1.1 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.4 U	2200	2700	2900	920 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.96 U	290	370	340	100 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.61 U	100	130	140	32 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.079 U	1600	2000	2000	700 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	10 J	110000 J	140000 J	130000 J	47000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	2.4 J	24000 J	23000 J	26000 J	10000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.2 J	1500 J	1700 J	1900 J	480 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	58 J	130 J	140 J	320 J	89 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	3.1 J	4600 J	5400 J	6500 J	1900 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	28 J	48 J	17 J	37 J	9.9 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.4 J	6200 J	7500 J	7800 J	2600 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	10 J	290 J	370 J	340 J	100 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	18 J	210000 J	210000 J	220000 J	87000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.8 J	26000 J	26000 J	28000 J	11000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	3.6 J	36000 J	39000 J	41000 J	15000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	4.4 J	36000 J	39000 J	41000 J	15000 J

Notes:

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ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB094**	**SJSB094**	**SJSB094**	**SJSB094**	**SJSB094**
Sample Identification:		**11215702-072621-BN-SJSB094 (6-8)-R**	**11215702-072621-BN-DUP-8**	**11215702-072621-BN-DUP-8-R**	**11215702-072621-BN-SJSB094(8-10)**	**11215702-072621-BN-SJSB094(10-12)**
Sample Date:		**07/26/2021**	**07/26/2021**	**07/26/2021**	**07/26/2021**	**07/26/2021**
Sample Depth:		**(6-8) ft BGS**	**(6-8) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**
		Lab Duplicate	**Field Duplicate**	**Lab Duplicate**		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	130	12 J	9.5 J	56 J	0.17 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1200 J	1200	1100	620	840
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	300	19 J	21	110	1.1 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	61	48	42	32 J	36
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	100	5.9 J	5.9 J	39	0.091 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1100	62 J	61	430	2.7 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.5 U	1.0 J	0.65 U	0.45 U	0.27 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	230	16 J	16	130	0.62 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.9 J	1.2 J	1.1 J	0.52 U	0.31 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	16 J	0.99 J	1.1 J	5.5 J	0.12 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	4.1 U	2.7 J	2.5 J	0.45 U	2.4 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	740	51 J	50	320	1.7 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	110	7.1	6.3 J	41	0.32 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	27 J	2.6 J	1.9 J	13 J	0.11 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	700	47 J	36	240	1.3 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	45000 J	2300 J	2400 J	16000 J	83
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	12000 J	570 J	720 J	3700 J	22
Total heptachlorodibenzofuran (HpCDF)	pg/g	470 J	30 J	31 J	180 J	1.1 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	150 J	160 J	140 J	87 J	130 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1500 J	92 J	91 J	650 J	3.3 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	43 J	42 J	37 J	16 J	32 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2300 J	150 J	140 J	860 J	4.0 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	120 J	12 J	12 J	41 J	5.2 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	80000 J	4400 J	5000 J	26000 J	160 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	14000 J	620 J	790 J	4100 J	22 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	17000 J	830 J	990 J	5500 J	32 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	17000 J	830 J	990 J	5500 J	32 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB094**	**SJSB094**	**SJSB094**	**SJSB095**	**SJSB095**
Sample Identification:		**11215702-072621-BN-SJSB094(12-14)**	**11215702-072621-BN-SJSB094(14-16)**	**11215702-072621-BN-SJSB094(16-18)**	**11215702-072821-BN-SJSB095(0-2)**	**11215702-072821-BN-SJSB095(2-4)**
Sample Date:		**07/26/2021**	**07/26/2021**	**07/26/2021**	**07/28/2021**	**07/28/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.15 U	0.11 U	0.11 U	340 J	18 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1400	1300	45	1400	1700
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.086 U	0.079 U	0.33 U	790	4.4 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	65	60	2.6 J	88 J	60
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.080 U	0.077 U	0.058 U	250	2.0 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.047 U	0.046 U	0.029 U	2800	7.0
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.37 U	0.91 J	0.097 U	1.2 U	0.33 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.047 U	0.045 U	0.030 U	740	1.6 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.41 U	1.6 J	0.11 U	1.3 U	0.40 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.047 U	0.046 U	0.029 U	40 J	0.36 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	4.8 J	4.4 J	0.096 U	4.8 J	0.33 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.066 U	0.063 U	0.047 U	2100	0.54 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.24 U	0.23 U	0.11 U	290	0.50 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.048 U	0.046 U	0.028 U	88 J	0.36 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.068 U	0.069 U	0.047 U	1700	0.57 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	4.3 U	2.4 U	6.4 U	110000 J	140
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.13 U	1.3 J	1.4 J	23000 J	42
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.086 U	0.23 U	0.33 J	1200 J	8.3 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	190 J	190 J	8.1 J	200 J	150 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.074 U	0.11 U	0.036 U	4100 J	8.6 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	52 J	50 J	2.0 J	32 J	18 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.068 U	0.069 U	0.14 U	6200 J	2.6 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	8.8 J	8.4 J	0.26 U	290 J	1.3 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	8.1 J	3.0 J	9.8 J	200000 J	240 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1.1 J	4.1 J	1.4 J	25000 J	42 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	1.6 J	3.0 J	1.4 J	35000 J	58 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	2.0 J	3.2 J	1.9 J	35000 J	59 J

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB095	SJSB095	SJSB095	SJSB095	SJSB095
Sample Identification:		11215702-072821-BN-SJSB095(4-6)	11215702-072821-BN-SJSB095(6-8)	11215702-072821-BN-DUP-10	11215702-072821-BN-SJSB095(8-10)	11215702-072821-BN-SJSB095 (8-10)-R
Sample Date:		07/28/2021	07/28/2021	07/28/2021	07/28/2021	07/28/2021
Sample Depth:		(4-6) ft BGS	(6-8) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(8-10) ft BGS
				Field Duplicate		Lab Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.17 U	0.12 U	0.61 J	25	13
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	240	190	240	1300 J	550 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.26 U	0.060 U	0.34 U	33	24
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	12	10 J	11	38 J	18 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.068 U	0.057 U	0.054 U	10	6.5
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.045 U	0.029 U	1.2 J	100	62
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.13 U	0.080 U	0.14 U	0.71 J	0.36 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.044 U	0.027 U	0.42 J	28	17
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.15 U	0.091 U	0.15 U	1.3 J	0.63 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.045 U	0.026 U	0.040 U	1.3 J	0.98 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.74 J	0.50 J	1.0 J	1.7 J	0.99 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.078 U	0.044 U	0.55 J	74	50
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.17 U	0.099 U	0.13 U	9.3	6.3
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.041 U	0.027 U	0.038 U	3.6 J	1.9 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.085 U	0.051 U	0.48 J	55	37
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	11 U	5.5 UJ	27 J	3500 J	2400 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.16 U	1.7 J	6.3 J	810 J	710 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.26 J	0.060 U	0.34 J	50 J	35 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	45 J	38 J	44 J	100 J	58 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.078 U	0.036 U	1.6 J	160 J	92 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	9.1 J	8.9 J	11 J	20 J	14 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.27 U	0.094 U	1.0 J	190 J	130 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.2 U	0.48 U	0.90 J	10 J	7.9 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	19 J	8.9 J	49 J	6400 J	4900 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.45 U	1.7 J	6.3 J	880 J	780 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.27 J	1.9 J	9.6 J	1200 J	980 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1.0 J	2.3 J	9.7 J	1200 J	980 J

Notes:

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J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB095**	**SJSB095**	**SJSB095**	**SJSB095**
Sample Identification:		**11215702-072821-BN-SJSB095(10-12)**	**11215702-072821-BN-SJSB095 (10-12)-R**	**11215702-072821-BN-SJSB095(12-14)**	**11215702-072821-BN-SJSB095(14-16)**
Sample Date:		**07/28/2021**	**07/28/2021**	**07/28/2021**	**07/28/2021**
Sample Depth:		**(10-12) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**
			Lab Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.10 U	0.92 U	0.12 U	0.70 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	200 J	500 J	130	170 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.62 U	0.52 U	0.29 U	0.66 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	11	19	6.5	7.7
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.35 J	0.26 U	0.043 U	0.28 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.8 J	0.69 J	0.032 U	2.1 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.097 U	0.34 U	0.057 U	0.33 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.91 J	0.30 J	0.032 U	0.64 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.11 U	0.53 J	0.060 U	0.20 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.17 J	0.15 U	0.030 U	0.17 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 J	1.5 J	0.054 U	0.78 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.9 J	0.58 J	0.071 U	2.7 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.14 U	0.22 J	0.10 U	0.43 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.14 J	0.089 J	0.029 U	0.13 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.1 J	0.41 J	0.078 U	2.7 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	150 J	27 J	17	170
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	40 J	7.0 J	4.1	35
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.1 J	0.82 J	0.29 J	1.1 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	44 J	78 J	25 J	32 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.0 J	1.2 J	0.075 U	3.3 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	13 J	18 J	6.2 J	9.3 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	7.0 J	1.2 J	0.078 U	7.6 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.42 U	2.9 J	0.69 U	1.5 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	300 J	48 J	25 J	300 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	40 J	9.3 J	4.1 J	40 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	57 J	11 J	5.9	54 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	57 J	11 J	6.0	54 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB095	SJSB095	SJSB096	SJSB096	SJSB096
Sample Identification:		11215702-072821-BN-SJSB095 (14-16)-R	11215702-072821-BN-SJSB095(16-18)	11215702-072721-BN-SJSB096(0-2)	11215702-072721-BN-SJSB096(2-4)	11215702-072721-BN-SJSB096(4-6)
Sample Date:		07/28/2021	07/28/2021	07/27/2021	07/27/2021	07/27/2021
Sample Depth:		(14-16) ft BGS	(16-18) ft BGS	(0-2) ft BGS	(2-4) ft BGS	(4-6) ft BGS
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.1 U	0.12 U	700	290	3.8 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	400 J	260	1100	610	950
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.6 U	0.28 U	1500	650	7.6
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	17	15	130	43 J	36
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.51 U	0.061 U	450	200	2.6 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	4.0 J	0.019 U	4400	2000	25
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.39 U	0.28 U	5.9 J	2.1 J	0.26 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.3 J	0.018 U	1200	500	6.4 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.38 J	0.29 U	13	4.0 J	0.27 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.15 U	0.018 U	89	23 J	0.26 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.4 J	0.26 U	10	2.6 J	2.1 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3.2 J	0.052 U	3500	1300	18
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.47 J	0.15 U	550	130	2.6 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.16 J	0.017 U	150	47 J	0.73 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.2 J	0.056 U	3200	930	13
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	150	3.6 U	250000 J	61000 J	910 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	38	0.13 U	60000 J	15000 J	210
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.5 J	0.28 J	2200 J	980 J	12 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	72 J	66 J	230 J	88 J	120 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.6 J	0.052 U	6200 J	2900 J	32 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	18 J	17 J	99 J	27 J	25 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	8.3 J	0.056 U	9300 J	3400 J	48 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.6 J	5.9 J	590 J	150 J	5.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	280 J	6.1 J	390000 J	110000 J	1500 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	43 J	1.2 J	70000 J	16000 J	230 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	55 J	0.23	87000 J	22000 J	310 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	55 J	0.60	87000 J	22000 J	310 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB096	SJSB096	SJSB096	SJSB096	SJSB096
Sample Identification:		11215702-072721-BN-SJSB096(6-8)	11215702-072721-BN-DUP-9	11215702-072721-BN-SJSB096(8-10)	11215702-072721-BN-SJSB096 (8-10)-R	11215702-072721-BN-SJSB096(10-12)
Sample Date:		07/27/2021	07/27/2021	07/27/2021	07/27/2021	07/27/2021
Sample Depth:		(6-8) ft BGS	(6-8) ft BGS	(8-10) ft BGS	(8-10) ft BGS	(10-12) ft BGS
			Field Duplicate		Lab Duplicate	
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.51 J	0.13 U	37	63	0.74 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	980	820	1000	610	1200
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.18 J	0.071 U	68 J	160 J	1.4 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	39	34	41	31	51
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.041 U	0.072 U	22 J	60 J	0.39 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.74 J	0.29 J	200 J	630 J	4.9 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.59 J	0.23 U	0.79 J	1.1 U	0.49 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.25 J	0.033 U	51 J	140 J	1.2 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.81 J	0.82 J	1.3 J	1.8 J	1.3 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.034 U	3.3 J	8.5	0.25 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.9 J	0.23 U	2.7 J	1.3 U	3.3 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.86 J	0.042 U	150 J	410 J	3.6 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.29 J	0.15 U	24 J	62 J	0.16 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.043 J	0.032 U	6.5 J	15	0.066 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.35 J	0.041 U	120 J	380 J	2.6 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	8.8	8.6	8000 J	25000 J	190
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	2.4	2.5	1900 J	5700 J	45
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.18 J	0.072 U	100 J	260 J	1.8 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	150 J	130 J	140 J	95 J	160 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.3 J	0.29 J	290 J	880 J	6.4 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	38 J	30 J	36 J	32 J	41 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.9 J	0.057 U	400 J	1200 J	8.5 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	5.9 J	5.0 J	24 J	75 J	7.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	15 J	14 J	14000 J	44000 J	360 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	7.9 J	4.1 J	2100 J	6300 J	45 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	4.9 J	4.1 J	2800 J	8500 J	67 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	4.9 J	4.2 J	2800 J	8500 J	67 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB096**	**SJSB096**	**SJSB096**	**SJSB096**	**SJSB097**
Sample Identification:		**11215702-072721-BN-SJSB096 (10-12)-R**	**11215702-072721-BN-SJSB096(12-14)**	**11215702-072721-BN-SJSB096(14-16)**	**11215702-072721-BN-SJSB096(16-18)**	**11215702-082221-BN-SJSB097(0-2)**
Sample Date:		**07/27/2021**	**07/27/2021**	**07/27/2021**	**07/27/2021**	**08/22/2021**
Sample Depth:		**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.66 U	0.095 U	0.74 J	0.60 J	58 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	940	460	360	600	2500
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.2 U	0.050 U	0.039 U	0.40 J	9.0 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	40	24	18	27	73 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.45 U	0.048 U	0.036 U	0.059 U	0.84 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.7 J	0.038 U	0.024 U	0.91 J	2.3 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.68 U	0.19 U	0.29 J	0.29 U	1.7 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.1 J	0.038 U	0.025 U	0.036 U	1.0 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 J	0.21 U	0.54 J	0.33 U	2.0 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.17 U	0.037 U	0.024 U	0.036 U	0.79 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.9 J	2.3 J	1.6 J	2.5 J	2.7 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3.7 J	0.26 J	0.037 U	0.53 J	1.5 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.73 J	0.10 U	0.11 U	0.15 U	0.095 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.14 J	0.038 U	0.024 U	0.034 U	0.86 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.7 J	0.16 J	0.040 U	0.12 U	1.6 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	230	11	3.9	32	26
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	58	3.3	0.95 J	8.7	0.062 U
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.0 J	0.050 U	0.039 U	0.40 J	20 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	140 J	100 J	71 J	130 J	230 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	6.0 J	0.038 U	0.027 U	0.91 J	9.7 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	42 J	28 J	24 J	42 J	47 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	9.8 J	0.43 J	0.040 U	0.53 J	9.1 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	8.4 J	3.9 J	4.8 J	9.2 J	7.4 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	440 J	17 J	5.6 J	60 J	52 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	68 J	3.3 J	2.2 J	8.7 J	3.5 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	84 J	5.1 J	1.9 J	13 J	4.4 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	84 J	5.2 J	1.9 J	13 J	5.2 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB097	SJSB097	SJSB097	SJSB097	SJSB097
Sample Identification:		11215702-082221-BN-SJSB097(2-4)	11215702-082221-BN-SJSB097(4-6)	11215702-082221-BN-SJSB097(6-8)	11215702-082221-BN-DUP-20	11215702-082221-BN-SJSB097(8-10)
Sample Date:		08/22/2021	08/22/2021	08/22/2021	08/22/2021	08/22/2021
Sample Depth:		(2-4) ft BGS	(4-6) ft BGS	(6-8) ft BGS	(6-8) ft BGS Field Duplicate	(8-10) ft BGS
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.71 U	0.76 U	0.98 U	1.3 J	1.0 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	350	430	320	420	66 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.021 U	0.57 U	0.31 U	1.5 J	0.62 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	23 J	25 J	17 J	24 J	3.6 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.025 U	0.039 U	0.27 U	0.082 U	0.29 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.024 U	0.42 U	0.31 U	0.86 U	0.69 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.52 U	0.59 U	0.48 U	0.17 U	0.76 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.24 U	0.44 U	0.23 U	0.84 U	0.92 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.048 U	0.093 U	1.0 J	0.18 U	0.74 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.21 U	0.53 U	0.69 U	0.52 J	0.94 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.2 U	1.6 J	1.6 J	0.52 U	0.96 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.51 J	0.17 U	0.65 J	1.2 J	1.2 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.15 U	0.12 U	0.10 U	0.14 U	0.15 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.20 U	0.57 U	0.32 U	0.63 U	0.44 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.52 U	0.58 U	0.038 U	1.2 J	0.68 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.067 U	3.8 J	2.3 J	1.4 J	9.3 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.54 J	1.1 U	0.95 U	0.095 U	2.1 U
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.42 J	1.3 J	0.71 J	3.0 J	1.1 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	94 J	110 J	66 J	93 J	11 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.65 J	2.2 J	1.6 J	3.3 J	3.2 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	28 J	31 J	22 J	25 J	7.3 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	1.5 J	1.1 J	1.3 J	2.8 J	3.0 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	6.1 J	11 J	4.0 J	3.0 J	2.4 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	0.94 J	4.3 J	2.9 J	2.4 J	14 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.5 J	1.1 J	2.3 J	1.4 J	3.7 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.89 J	0.92 J	0.78 J	0.97 J	1.2 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1.2 J	1.8 J	1.4 J	1.3 J	2.6 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB097**	**SJSB097**	**SJSB097**	**SJSB098**	**SJSB098**
Sample Identification:		**11215702-082221-BN-SJSB097(10-12)**	**11215702-082221-BN-SJSB097(12-14)**	**11215702-082221-BN-SJSB097(14-16)**	**11215702-082021-BN-SJSB098(0-2)**	**11215702-082021-BN-SJSB098(2-4)**
Sample Date:		**08/22/2021**	**08/22/2021**	**08/22/2021**	**08/20/2021**	**08/20/2021**
Sample Depth:		**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.089 U	0.089 U	0.089 U	39 J	73 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	22	26	26	1800	1800
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.082 U	0.064 U	0.064 U	8.3 J	31 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	1.1 J	1.6 J	1.7 J	58 J	71 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.079 U	0.047 U	0.0030 U	1.3 U	9.9 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.064 U	0.067 U	0.063 U	8.5 J	120
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.055 J	0.10 J	0.069 J	0.76 U	1.6 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.056 U	0.050 U	0.047 U	2.3 J	29 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.098 U	0.16 J	0.12 U	2.5 J	6.3 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.016 U	0.083 U	0.083 U	1.5 U	15 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.21 U	0.25 U	0.17 U	2.7 U	3.8 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.10 U	0.14 U	0.074 U	4.7 J	120
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.15 J	0.16 J	0.16 J	2.1 J	14 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.014 U	0.085 U	0.085 U	1.1 U	9.2 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.096 U	0.096 U	0.096 U	4.5 J	100
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.2 J	1.1	0.11 U	180	5500
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.44 J	1.0 J	0.050 J	47	1300
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.22 J	0.086 J	0.12 J	18 J	59 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	3.9 J	6.5 J	5.4 J	190 J	240 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.20 J	0.23 J	20 J	200 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.9 J	2.0 J	2.1 J	34 J	81 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.24 J	0.23 J	0.36 J	19 J	350 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.41 J	0.34 J	0.86 J	9.7 J	21 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	1.8 J	8.0 J	0.11 J	360 J	10000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.81 J	1.1 J	0.32 J	51 J	1400 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.73 J	1.3 J	0.24 J	71 J	1900 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.77 J	1.4 J	0.29 J	71 J	1900 J

Notes:

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB098**	**SJSB098**	**SJSB098**	**SJSB098**	**SJSB098**
Sample Identification:		**11215702-082021-BN-SJSB098(4-6)**	**11215702-082021-BN-SJSB098(6-8)**	**11215702-082021-BN-SJSB098(8-10)**	**11215702-082021-BN-SJSB098(10-12)**	**11215702-082021-BN-SJSB098(12-14)**
Sample Date:		**08/20/2021**	**08/20/2021**	**08/20/2021**	**08/20/2021**	**08/20/2021**
Sample Depth:		**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	120 J	57 J	130 J	82	9.8 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	3000	1900	1700	1600	610
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	38 J	13 J	250	150	19
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	120	77	95	71	36
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	12 J	3.0 J	80	48	6.5 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	130	24 J	790	450	61
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.18 U	2.2 U	2.0 U	0.94 J	0.83 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	31 J	6.5 J	200	110	15
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.7 J	2.7 J	7.8 J	4.0 J	1.3 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	13 J	0.10 U	0.62 U	39	0.051 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	5.0 J	1.6 J	3.7 J	1.7 J	2.3 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	130	16 J	620	340	48
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	16 J	2.8 J	76	48	6.4 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	8.6 U	1.5 U	40 J	23	3.1 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	110	12 J	530	280	40
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	4500	360	21000	10000	1600
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1300	110	7100 J	2700 J	490
Total heptachlorodibenzofuran (HpCDF)	pg/g	72 J	28 J	430 J	260 J	31 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	370 J	77 J	230 J	190 J	150 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	210 J	42 J	1100 J	690 J	87 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	93 J	50 J	50 J	38 J	54 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	370 J	50 J	1800 J	1200 J	130 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	46 J	13 J	96 J	56 J	19 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	10000 J	480 J	46000 J	34000 J	3300 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1500 J	130 J	7900 J	7300 J	540 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	1800 J	160 J	9600 J	3900 J	680 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1800 J	160 J	9600 J	3900 J	680 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB098**	**SJSB098**	**SJSB099**	**SJSB099**	**SJSB099**
Sample Identification:		**11215702-082021-BN-SJSB098(14-16)**	**11215702-082021-BN-SJSB098(16-18)**	**11215702-072421-SS-SJSB099(0-2)**	**11215702-072421-SS-SJSB099(2-4)**	**11215702-072421-SS-SJSB099(4-6)**
Sample Date:		**08/20/2021**	**08/20/2021**	**07/24/2021**	**07/24/2021**	**07/24/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.39 U	0.22 U	1700	1300 J+	2.9 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	610	19	11000	11000	160
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.38 U	0.14 U	2800	2100	3.1 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	37	1.2 J	670	640	6.3
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.20 U	0.057 U	790	620	1.0 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.3 J	0.051 U	6600	6000	11
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.60 J	0.044 U	6.3 J	8.2 J	0.30 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.43 J	0.064 U	1500	1700	2.9 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 J	0.088 U	49 J	41 J	0.41 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.15 U	0.082 U	84 J	100 J	0.071 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.2 J	0.099 U	12 J	8.3 J	0.067 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.93 J	0.11 U	4000	4300	9.4
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.47 J	0.015 U	390	430	1.0 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.16 U	0.064 U	170	220	0.27 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.53 U	0.073 U	2500	2700	5.5 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	20	0.44 J	160000 J	120000 J	290
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	6.8	0.10 U	35000 J	40000 J	94
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.93 J	0.29 J	4500 J	3600 J	5.4 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	160 J	4.0 J	1500 J	1400 J	22 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	2.2 J	0.31 J	9400 J	9100 J	16 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	48 J	1.6 J	190 J	180 J	4.5 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.5 J	0.40 J	10000 J	11000 J	23 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	7.0 J	0.86 J	390 J	430 J	1.0 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	52 J	0.99 J	250000 J	280000 J	590 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	14 J	0.20 J	38000 J	43000 J	100 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	10 J	0.062 J	53000 J	54000 J	130 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	11 J	0.16 J	53000 J	54000 J	130 J

Notes:

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB099**	**SJSB099**	**SJSB099**	**SJSB099**	**SJSB099**
Sample Identification:		**11215702-072421-SS-SJSB099(6-8)**	**11215702-072421-SS-SJSB099(8-10)**	**11215702-072421-SS-SJSB099(10-12)**	**11215702-072421-SS-SJSB099 (10-12)-R**	**11215702-072421-SS-SJSB099(12-14)**
Sample Date:		**07/24/2021**	**07/24/2021**	**07/24/2021**	**07/25/2021**	**07/24/2021**
Sample Depth:		**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
					Lab Duplicate	
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.53 J	0.063 U	5.4 J	4.3 U	0.094 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	110	120	440	360	220
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.45 J	0.61 J	6.5 J	6.1 J	0.057 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	3.4 J	4.8 J	28	22	12
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.055 U	0.20 J	2.5 J	2.5 J	0.055 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.2 J	1.6 J	21	22	0.021 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.32 J	0.058 U	0.52 J	0.73 U	0.31 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.31 J	0.43 J	5.8 J	4.9 J	0.022 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.069 U	0.068 U	1.1 J	0.91 J	0.51 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.028 U	0.049 U	0.52 J	0.51 J	0.30 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.23 J	0.058 U	1.8 J	1.7 U	0.82 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.0 J	1.2 J	13	12	0.26 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.068 U	0.064 U	0.16 U	1.4 J	0.092 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.028 U	0.046 U	0.81 J	0.63 J	0.021 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.51 J	0.71 J	8.0	8.9	0.037 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	27	34	390	480	2.8 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	10	11	130	150	1.3 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.74 J	1.0 J	11 J	11 J	0.057 U
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	13 J	19 J	94 J	74 J	41 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.5 J	2.0 J	32 J	31 J	0.30 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.9 J	3.9 J	28 J	21 J	13 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.0 J	2.3 J	34 J	34 J	0.26 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.068 U	0.064 U	0.16 U	4.8 J	0.86 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	59 J	70 J	830 J	870 J	4.8 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	10 J	11 J	140 J	170 J	1.3 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	13 J	15 J	180 J	210 J	1.7 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	13 J	15 J	180 J	210 J	1.9 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB099**	**SJSB099**	**SJSB099**	**SJSB100**	**SJSB100**
Sample Identification:		**11215702-072421-SS-SJSB099(14-16)**	**11215702-072421-SS-SJSB099(16-18)**	**11215702-072421-DUP-6**	**11215702-082321-BN-SJSB100(0-2)**	**11215702-082321-BN-SJSB100(2-4)**
Sample Date:		**07/24/2021**	**07/24/2021**	**07/24/2021**	**08/23/2021**	**08/23/2021**
Sample Depth:		**(14-16) ft BGS**	**(16-18) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**
				Field Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.0 J	0.59 J	1.1 J	170 J	2.9 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	350	280	360	4600	380
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.90 J	0.50 J	0.90 J	23 J	0.83 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	17	13	17	170	18 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.24 J	0.15 J	0.058 U	5.1 J	0.50 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.5 J	0.76 J	1.4 J	15 J	0.82 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.11 U	0.14 U	0.48 J	5.0 J	0.67 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.55 J	0.30 J	0.54 J	7.9 J	0.63 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.12 U	0.15 U	0.50 J	6.3 J	0.69 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.050 U	0.032 U	0.045 U	5.0 J	0.44 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.3 J	0.72 J	1.3 J	8.6 J	1.3 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.8 J	0.47 J	1.1 J	12 J	1.2 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.11 U	0.089 U	0.11 U	5.7 J	0.64 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.050 U	0.035 U	0.044 U	4.4 J	0.13 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.2 J	0.36 J	0.67 J	10 J	1.1 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	55	14	27	230	7.3 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	19	5.0	10	66	1.2 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.1 J	0.65 J	1.3 J	52 J	2.1 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	64 J	55 J	66 J	530 J	63 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	3.1 J	1.1 J	1.9 J	50 J	2.3 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	18 J	16 J	21 J	120 J	18 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	4.1 J	0.84 J	1.7 J	38 J	4.2 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.4 J	1.5 J	1.5 J	15 J	2.7 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	100 J	23 J	48 J	420 J	9.6 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	19 J	5.0 J	10 J	78 J	3.7 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	26 J	6.9 J	14 J	110 J	3.7 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	26 J	7.0 J	14 J	110 J	3.7 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB100**	**SJSB100**	**SJSB100**	**SJSB100**	**SJSB100**
Sample Identification:		**11215702-082321-BN-SJSB100(4-6)**	**11215702-082321-BN-SJSB100(6-8)**	**11215702-082321-BN-SJSB100(8-10)**	**11215702-082321-BN-SJSB100(10-12)**	**11215702-082321-BN-SJSB100(12-14)**
Sample Date:		**08/23/2021**	**08/23/2021**	**08/23/2021**	**08/23/2021**	**08/23/2021**
Sample Depth:		**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	4.2 U	0.82 U	2.2 U	0.16 U	0.092 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	220	340	200	52	15
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.3 U	1.6 U	0.61 U	0.22 U	0.14 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	15 J	25 J	8.8 J	2.8 J	1.1 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.63 U	0.036 U	0.61 U	0.12 U	0.052 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.7 U	1.7 U	1.4 U	0.26 U	0.14 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.84 U	0.051 U	0.48 U	0.28 J	0.18 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.41 U	1.3 U	0.48 U	0.28 J	0.22 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.2 J	1.3 J	0.76 J	0.23 J	0.17 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	1.2 U	0.055 U	0.43 U	0.13 U	0.11 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.2 J	0.052 U	1.3 J	0.43 J	0.21 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.5 J	0.082 U	0.15 U	0.31 U	0.22 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.3 J	0.13 U	1.2 J	0.32 J	0.29 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.45 U	0.65 U	0.64 U	0.14 U	0.18 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.2 U	0.066 U	0.90 U	0.26 U	0.25 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	15	0.076 U	3.4 J	0.33 U	0.28 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	5.4 J	0.10 U	0.14 U	0.0048 U	0.13 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	3.1 J	1.6 J	1.6 J	0.46 J	0.23 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	54 J	95 J	32 J	8.0 J	3.3 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.1 J	4.3 J	3.1 J	0.80 J	0.70 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	22 J	28 J	11 J	3.3 J	1.7 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	5.2 J	2.9 J	4.9 J	0.58 J	0.55 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	3.3 J	6.2 J	1.2 J	1.1 J	0.68 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	24 J	2.8 J	6.2 J	0.33 J	0.28 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	9.5 J	1.5 J	0.85 J	0.66 J	0.30 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	8.8 J	0.48 J	1.9 J	0.49 J	0.47 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	9.2 J	0.81 J	2.3 J	0.58 J	0.57 J

Notes:

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J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB100**	**SJSB101**	**SJSB101-Waste**	**SJSB101**	**SJSB101-Waste**
Sample Identification:		**11215702-082321-BN-SJSB100(14-16)**	**11215702-072521-SS-SJSB101(0-2)**	**11215702-072521-SS-SJSB101(0-2)-WC**	**11215702-072521-SS-SJSB101(2-4)**	**11215702-072521-SS-SJSB101(2-4)-WC**
Sample Date:		**08/23/2021**	**07/25/2021**	**07/25/21**	**07/25/2021**	**07/25/21**
Sample Depth:		**(14-16) ft BGS**	**(0-2) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(2-4) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.16 U	1700	1400	1400	1200
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	49	10000	10000	9700	5800
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.24 U	3100	2500	2300	2800
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	2.9 J	540	670	610	470
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.073 U	1000	890	700	860
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.29 U	10000	8500	7300	10000
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.14 J	6.1 J	4.5 J	7.5 J	7.1 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.17 U	2800	2200	1800	2600
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.18 J	36 J	40 J	44 J	30 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.098 U	180	120	110 J	140 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.21 U	18 J	16 J	11 J	15 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.28 U	7000	5500	4700	5500
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.23 J	400 J	370	380	280
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.085 U	340	250	220	260
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.012 U	3400	2900	2700	2400
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.54 U	160000 J	140000 J	150000 J	100000 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.13 J	44000 J	35000 J	42000 J	34000 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.48 J	4900 J	4300 J	3800 J	4300 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	9.3 J	1100 J	1400 J	1300 J	970 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.91 J	15000 J	13000 J	11000 J	15000 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.1 J	190 J	190 J	190 J	150 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.73 J	16000 J	14000 J	12000 J	12000 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.36 J	400 J	370 J	380 J	280 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	1.8 J	260000 J	230000 J	250000 J	170000 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.36 J	48000 J	38000 J	46000 J	37000 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.44 J	63000 J	52000 J	59000 J	47000 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.51 J	63000 J	52000 J	59000 J	47000 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB101**	**SJSB101**	**SJSB101**	**SJSB101**	**SJSB101**
Sample Identification:		**11215702-072521-SS-SJSB101(4-6)**	**11215702-072521-SS-SJSB101(6-8)**	**11215702-072521-SS-SJSB101(8-10)**	**11215702-072521-SS-SJSB101(10-12)**	**11215702-072521-SS-SJSB101 (10-12)-R**
Sample Date:		**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**
Sample Depth:		**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**	**(10-12) ft BGS**
						Lab Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	640	0.61 J	0.095 U	5.0 J	3.5 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	4500	110	88	170	150
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1100	0.72 J	0.20 J	7.5	6.6
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	280	3.9 J	3.2 J	7.0	7.1
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	370	0.26 J	0.034 U	2.5 J	4.2 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3400	2.3 J	0.56 J	26	36
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.4 J	0.24 J	0.20 J	0.073 U	0.33 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1000	0.57 J	0.14 J	6.7	7.6
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	18 J	0.19 J	0.23 J	0.076 U	0.23 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	65 J	0.36 U	0.025 U	0.74 U	0.69 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	6.9 J	0.26 J	0.059 U	0.37 J	0.45 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2200	1.7 J	0.31 J	18	11
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	160	0.079 U	0.080 U	1.6 J	0.77 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	120	0.046 U	0.028 U	0.52 J	0.76 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1300	0.83 J	0.051 U	11	6.0
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	62000 J	42	6.9	540 J	290 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	18000 J	13	1.8	170 J	92 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1900 J	1.3 J	0.20 J	13 J	14 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	590 J	12 J	13 J	20 J	19 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5200 J	3.2 J	0.70 J	39 J	51 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	82 J	3.2 J	3.1 J	5.5 J	7.2 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	5300 J	3.7 J	0.31 J	40 J	27 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	160 J	0.079 U	0.080 U	1.6 J	2.4 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	100000 J	72 J	9.6 J	1100 J	530 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	19000 J	13 J	1.8 J	190 J	100 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	25000 J	18 J	2.7 J	230 J	130 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	25000 J	18 J	2.7 J	230 J	130 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB101**	**SJSB101**	**SJSB101**	**SJSB101**	**SJSB102**
Sample Identification:		**11215702-072521-SS-SJSB101(12-14)**	**11215702-072521-SS-SJSB101(14-16)**	**11215702-072521-SS-SJSB101(16-18)**	**11215702-072521-SS-SJSB101(18-20)**	**11215702-081921-BN-SJSB102(0-2)**
Sample Date:		**07/25/2021**	**07/25/2021**	**07/25/2021**	**07/25/2021**	**08/19/2021**
Sample Depth:		**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(18-20) ft BGS**	**(0-2) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.7 J	0.66 J	19	0.38 U	150 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	180	95	180	150	2900
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.94 J	0.24 J	1.2 J	0.15 U	120 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	11	5.1 J	9.3	7.3	180 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.060 U	0.044 U	0.088 U	0.074 U	15 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.72 J	0.029 U	1.3 J	0.38 J	120 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.13 U	0.085 U	0.097 U	0.26 J	7.0 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.038 U	0.030 U	0.052 U	0.18 U	37 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.14 U	0.095 U	0.11 U	0.21 U	13 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.28 U	0.25 U	0.29 U	0.092 U	1.0 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 J	0.083 U	0.096 U	0.34 J	11 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.045 U	0.035 U	1.0 J	0.33 J	98 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.11 U	0.083 U	0.16 U	0.19 U	20 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.035 U	0.029 U	0.049 U	0.074 U	13 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.045 U	0.038 U	0.077 U	0.25 U	95 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.1 J	0.71 J	24	6.6	3900
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.11 U	0.077 U	8.5	2.1	960
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.94 J	0.24 J	3.0 J	0.38 J	220 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	35 J	18 J	34 J	29 J	450 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	1.0 J	0.25 J	1.6 J	0.74 J	250 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	12 J	5.5 J	9.6 J	13 J	120 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.17 U	0.038 U	1.0 J	19 J	380 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.2 J	0.083 U	0.16 U	4.2 J	30 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	1.6 J	0.71 J	42 J	13 J	8900 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1.0 J	0.15 U	8.5 J	4.9 J	1100 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.47 J	0.15 J	11 J	3.0 J	1400 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.62 J	0.27 J	11 J	3.2 J	1400 J

Notes:

U - Not detected at the associated reporting limit
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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB102**	**SJSB102**	**SJSB102**	**SJSB102**	**SJSB102**
Sample Identification:		**11215702-081921-BN-SJSB102(2-4)**	**11215702-081921-BN-SJSB102(4-6)**	**11215702-081921-BN-SJSB102(6-8)**	**11215702-081921-BN-SJSB102(8-10)**	**11215702-081921-BN-SJSB102(10-12)**
Sample Date:		**08/19/2021**	**08/19/2021**	**08/19/2021**	**08/19/2021**	**08/19/2021**
Sample Depth:		**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	12 U	13 J	1.4 U	1.1 U	0.26 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	160	710	580	590	890
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	3.0 U	12 J	0.63 U	0.34 U	0.13 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	14 J	34 J	49 J	27 J	39
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	1.1 U	3.9 J	0.044 U	0.22 U	0.0079 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.1 U	28 J	3.1 U	2.0 U	0.24 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.099 U	1.4 U	0.90 U	0.091 U	0.58 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.23 U	8.1 J	0.87 U	0.041 U	0.21 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.3 U	2.8 J	0.14 U	0.63 J	1.2 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	1.2 U	0.13 U	0.31 U	0.35 U	0.0084 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 U	1.4 J	3.7 J	1.9 J	1.2 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.6 U	23 J	1.5 J	3.4 J	0.35 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.0 U	3.8 J	1.4 J	0.31 U	0.50 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.80 U	2.2 U	0.038 U	0.037 U	0.22 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1.2 U	23 J	1.8 U	1.9 U	0.0070 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	17	960	54	41	3.1
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.0 J	230	16	0.16 U	0.71 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	10 J	20 J	0.63 J	0.56 J	0.20 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	25 J	91 J	100 J	82 J	120 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.0 J	41 J	4.6 J	2.4 J	0.67 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	7.6 J	33 J	22 J	31 J	43 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	4.5 J	66 J	3.9 J	5.8 J	0.72 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	2.1 J	11 J	4.7 J	4.0 J	8.3 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	20 J	2400 J	110 J	57 J	4.6 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	3.8 J	270 J	17 J	0.16 U	6.9 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	4.9 J	340 J	24 J	4.9 J	2.5 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	5.9 J	340 J	24 J	5.6 J	2.5 J

Notes:

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB102**	**SJSB102**	**SJSB102**	**SJSB102**
Sample Identification:		**11215702-081921-BN-SJSB102(12-14)**	**11215702-081921-BN-SJSB102 (12-14)-R**	**11215702-081921-BN-SJSB102(14-16)**	**11215702-081921-BN-SJSB102(16-18)**
Sample Date:		**08/19/2021**	**08/19/2021**	**08/19/2021**	**08/19/2021**
Sample Depth:		**(12-14) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**
			Lab Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.9 J	2.7 J	0.0043 U	7.6 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	590	620	800	900
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.0 J	5.9 J	0.11 U	3.5 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	25	28	35	40 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.34 J	2.9 J	0.0058 U	1.7 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.3 J	45 J	0.093 U	10 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.43 J	0.37 U	0.44 J	1.1 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.88 J	10	0.0039 U	3.0 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.63 J	0.65 J	0.94 J	1.7 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.0093 U	5.6 J	0.15 U	1.6 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.1 J	1.5 J	1.4 J	2.6 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.9 J	28 J	0.20 U	7.9 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.43 J	0.39 J	0.15 J	2.3 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.24 U	2.5 J	0.0037 U	0.91 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.3 J	9.5	0.096 U	7.7 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	87	55	3.5	290 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	23	14	0.014 U	72 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	1.9 J	11 J	0.18 J	7.7 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	84 J	86 J	110 J	120 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.0 J	68 J	0.25 J	19 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	26 J	23 J	33 J	33 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	7.8 J	53 J	0.47 J	26 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	5.1 J	3.7 J	6.9 J	9.6 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	190 J	120 J	9.8 J	600 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	27 J	18 J	4.1 J	84 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	34 J	31 J	1.4 J	110 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	34 J	31 J	1.4 J	110 J

Notes:

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		SJSB102	SJSB102	SJSB102	SJSB102	SJSB103
Sample Identification:		11215702-081921-BN-SJSB102 (16-18)-R	11215702-081921-BN-SJSB102(18-20)	11215702-081921-BN-SJSB102(20-22)	11215702-081921-BN-SJSB102(22-24)	11215702-082121-BN-SJSB103(0-2)
Sample Date:		08/19/2021	08/19/2021	08/19/2021	08/19/2021	08/21/2021
Sample Depth:		(16-18) ft BGS	(18-20) ft BGS	(20-22) ft BGS	(22-24) ft BGS	(0-2) ft BGS
		Lab Duplicate				
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	8.5 J	2.0 U	1.4 U	0.69 U	1.6 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	760	810	790	730	35 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	3.7 J	1.4 U	0.51 U	0.93 U	0.67 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	38 J	52 J	40 J	40 J	2.6 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.70 U	1.3 U	0.57 U	0.69 U	0.057 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	5.6 J	2.9 U	1.2 U	0.87 U	0.29 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.64 U	2.6 U	3.3 U	1.5 U	0.062 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2.4 J	1.4 U	0.68 U	0.48 U	0.38 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.76 U	4.1 U	3.9 U	2.7 U	0.27 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.22 U	2.6 U	1.2 U	0.57 U	0.47 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.2 J	5.1 U	2.7 U	3.2 U	0.55 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	4.5 J	1.6 U	1.9 U	1.4 U	0.36 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.15 U	4.1 U	3.6 U	3.9 U	1.4 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.13 U	1.5 U	0.64 U	0.59 U	0.48 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	3.4 J	3.2 U	1.3 U	0.48 U	0.11 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	140 J	16	1.4 U	0.50 U	5.6 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	38 J	6.0 U	0.98 U	1.7 U	0.12 U
Total heptachlorodibenzofuran (HpCDF)	pg/g	5.6 J	2.6 J	1.1 J	1.6 J	1.6 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	120 J	130 J	95 J	100 J	5.5 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	10 J	8.8 J	4.0 J	2.8 J	3.7 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	27 J	55 J	40 J	40 J	1.9 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	13 J	6.5 J	7.8 J	4.5 J	4.0 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	4.1 J	15 J	10 J	15 J	1.4 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	270 J	28 J	2.6 J	1.7 J	11 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	48 J	7.6 J	6.2 J	4.1 J	0.12 U
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	55 J	2.4 J	0.64 J	0.62 J	1.0 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	55 J	8.9 J	3.9 J	4.0 J	2.2 J

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Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB103**	**SJSB103**	**SJSB103**	**SJSB103**	**SJSB103**
Sample Identification:		**11215702-082121-BN-SJSB103(2-4)**	**11215702-082121-BN-SJSB103(4-6)**	**11215702-082121-BN-SJSB103(6-8)**	**11215702-082121-BN-SJSB103(8-10)**	**11215702-082121-BN-SJSB103(10-12)**
Sample Date:		**08/21/2021**	**08/21/2021**	**08/21/2021**	**08/21/2021**	**08/21/2021**
Sample Depth:		**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**	**(8-10) ft BGS**	**(10-12) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.10 U	2.5 U	1.4 U	0.76 U	0.089 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	35 U	220	14 J	8.4 U	28
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.3 U	1.1 U	0.88 U	0.55 U	0.064 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	0.14 U	11 J	2.1 U	1.9 U	1.0 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.39 U	0.60 U	0.62 U	0.53 U	0.047 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.81 U	1.7 U	1.3 U	1.3 U	0.063 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.46 U	0.40 U	0.82 U	1.0 U	0.043 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.83 U	0.91 U	1.5 U	1.2 U	0.051 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.14 U	1.0 J	0.62 J	1.4 J	0.055 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.13 U	0.62 U	0.72 U	1.3 U	0.083 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.14 U	1.0 J	0.86 J	1.7 J	0.12 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.18 U	1.2 J	2.8 J	2.6 J	0.074 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	1.0 U	0.46 J	2.0 J	1.8 J	0.043 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.41 U	0.39 U	0.88 U	0.85 U	0.085 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.53 U	1.3 U	2.1 U	1.6 U	0.096 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	2.1 J	13	7.4 J	5.2 J	0.96 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.34 U	11	2.4 U	1.2 U	0.29 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.7 J	2.3 J	2.1 J	1.4 J	0.12 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	4.3 J	42 J	4.3 J	4.0 J	4.0 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	2.7 J	4.1 J	4.6 J	4.8 J	0.21 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.3 J	12 J	3.4 J	5.8 J	1.7 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	6.0 J	2.8 J	5.5 J	5.0 J	0.26 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	4.1 J	5.5 J	3.4 J	3.9 J	0.61 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	5.3 J	64 J	8.7 J	6.8 J	2.7 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.34 U	11 J	2.4 J	1.2 J	0.56 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.21 J	13 J	3.0 J	2.7 J	0.45 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1.1 J	14 J	4.8 J	3.9 J	0.49 J

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TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB103**	**SJSB104**	**SJSB104**	**SJSB104**	**SJSB104**
Sample Identification:		**11215702-082121-BN-SJSB103(12-14)**	**11215702-072421-BN-SJSB104(0-2)**	**11215702-072421-BN-SJSB104(2-4)**	**11215702-072421-BN-SJSB104(4-6)**	**11215702-072421-BN-SJSB104(6-8)**
Sample Date:		**08/21/2021**	**07/24/2021**	**07/24/2021**	**07/24/2021**	**07/24/2021**
Sample Depth:		**(12-14) ft BGS**	**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.099 U	1.5 U	0.25 U	0.54 U	0.86 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	49	1300	1100	710	1300
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.064 U	0.48 U	0.14 U	0.33 U	0.14 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	3.0 J	41	46	29	48
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.047 U	0.10 J	0.028 U	0.089 J	0.040 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.063 U	0.90 J	0.12 J	0.76 J	0.10 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.13 J	0.56 U	0.66 U	0.45 U	0.58 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.041 U	0.30 J	0.080 J	0.25 J	0.049 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.21 J	0.84 J	0.87 J	0.66 J	0.81 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.083 U	0.22 U	0.35 U	0.27 U	0.29 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.24 U	1.7 J	2.4 J	1.4 J	2.2 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.088 U	0.91 J	0.30 J	0.75 J	0.26 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.25 J	0.31 J	0.23 J	0.22 J	0.20 J
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.085 U	0.047 J	0.032 J	0.055 J	0.017 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.096 U	0.54 J	0.12 J	0.43 J	0.095 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	0.28 U	38	3.2	24	2.6
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.075 J	9.9	1.0 J	7.0	0.91 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.11 J	0.78 J	0.11 J	0.57 J	0.12 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	8.5 J	140 J	160 J	110 J	160 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.28 J	1.5 J	0.59 J	1.3 J	0.44 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.7 J	28 J	43 J	26 J	40 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.36 J	2.1 J	0.54 J	1.7 J	0.47 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.39 J	5.2 J	9.8 J	5.4 J	8.0 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	0.43 J	68 J	5.9 J	43 J	5.1 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.39 J	14 J	7.2 J	10 J	5.5 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	0.40 J	15 J	2.7 J	11 J	2.6 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	0.46 J	15 J	2.8 J	11 J	2.6 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB104**	**SJSB104**	**SJSB104**	**SJSB104**	**SJSB104**
Sample Identification:		**11215702-072421-BN-SJSB104(8-10)**	**11215702-072421-BN-SJSB104(10-12)**	**11215702-072421-BN-SJSB104(12-14)**	**11215702-072421-BN-SJSB104(14-16)**	**11215702-072421-BN-SJSB104(16-18)**
Sample Date:		**07/24/2021**	**07/24/2021**	**07/24/2021**	**07/24/2021**	**07/24/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	1.7 U	0.075 U	1.7 U	0.042 U	0.092 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	770	1400	430	80	130
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.59 U	0.043 U	0.021 U	0.030 U	0.038 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	32	56	17	2.4 J	3.6 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.068 J	0.041 U	0.021 U	0.029 U	0.036 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.33 J	0.049 U	0.024 U	0.019 U	0.042 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.59 U	0.33 U	0.11 U	0.060 U	0.058 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.087 J	0.051 U	0.026 U	0.021 U	0.046 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.73 J	0.37 U	0.12 U	0.076 U	0.065 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.28 U	0.36 U	0.026 U	0.27 U	0.35 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.1 J	3.6 J	0.11 U	0.062 U	0.056 U
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.24 J	0.074 U	0.046 U	0.046 U	0.056 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.21 J	0.21 U	0.082 U	0.068 U	0.083 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.019 U	0.049 U	0.025 U	0.020 U	0.045 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.034 U	0.074 U	0.049 U	0.046 U	0.055 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	1.2 J	2.2	1.3	0.91 J	0.063 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	0.38 J	0.11 U	0.051 U	0.081 U	0.071 U
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.77 J	0.13 U	0.20 U	0.030 U	0.038 U
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	100 J	160 J	46 J	8.5 J	12 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.78 J	0.36 J	0.051 U	0.27 J	0.35 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	30 J	47 J	8.7 J	3.2 J	1.1 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.36 J	0.11 U	0.13 U	0.083 U	0.056 U
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	6.9 J	4.5 U	1.1 U	0.92 U	0.35 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	2.6 J	2.4 J	1.7 J	0.91 J	0.18 U
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	5.1 J	1.3 U	0.60 U	2.1 J	0.22 U
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	1.6 J	1.7 J	0.43	0.14 J	0.075 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	1.7 J	1.8 J	0.53	0.25 J	0.20 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB105**	**SJSB105**	**SJSB105**	**SJSB105**
Sample Identification:		**11215702-072321-BN-SJSB105(0-2)**	**11215702-072321-BN-SJSB105(2-4)**	**11215702-072321-BN-SJSB105(4-6)**	**11215702-072321-BN-SJSB105(6-8)**
Sample Date:		**07/23/2021**	**07/23/2021**	**07/23/2021**	**07/23/2021**
Sample Depth:		**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	470	480	3.9 J	0.47 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	3200	1600	1500	1800
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	800	1200	5.0 J	0.52 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	180	110	49	68
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	240	440	1.6 J	0.18 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	2500	4200	17	1.8 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.0 J	3.4 J	0.54 U	0.50 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	710	1100	5.2 J	0.53 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	11	8.4 J	0.90 J	1.9 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	40	54 J	0.38 U	0.053 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	6.7 J	5.1 J	2.1 J	3.2 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2000	2600	12	1.2 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	240	300	1.9 J	0.15 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	80	110	0.53 J	0.051 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	1400	1900	9.2	1.0 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	83000 J	130000 J	610 J	71
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	27000 J	33000 J	170	20
Total heptachlorodibenzofuran (HpCDF)	pg/g	1200 J	1900 J	8.0 J	0.70 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	420 J	230 J	170 J	190 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	3700 J	6000 J	24 J	2.3 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	110 J	59 J	33 J	40 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	5400 J	6800 J	34 J	3.4 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	260 J	320 J	7.7 J	8.3 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	160000 J	210000 J	1100 J	120 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	30000 J	37000 J	190 J	26 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	36000 J	48000 J	240 J	29 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	36000 J	48000 J	240 J	29 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB105**	**SJSB105**	**SJSB105**	**SJSB105**
Sample Identification:		**11215702-072321-BN-SJSB105(8-10)**	**11215702-072321-BN-SJSB105(10-12)**	**11215702-072321-BN-SJSB105(12-14)**	**11215702-072321-BN-SJSB105 (12-14)-R**
Sample Date:		**07/23/2021**	**07/23/2021**	**07/23/2021**	**07/23/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(12-14) ft BGS**
					Lab Duplicate
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.49 U	0.39 U	4.3 J	13 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1600	1100	1600	1300
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.15 U	0.32 U	7.0 J	25 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	64	37	64	49
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.080 U	0.062 U	2.1 J	9.0
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.55 J	1.0 J	24 J	98 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.92 U	0.63 U	0.58 U	0.77 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.22 U	0.29 J	6.8 J	22
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.4 J	0.89 J	1.2 J	1.4 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.046 U	0.040 U	0.41 U	1.4 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.1 J	1.8 J	2.8 J	2.0 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.44 J	0.86 J	18 J	68 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.16 U	0.27 J	2.6 J	7.9
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.044 U	0.039 U	0.79 J	2.8 J
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.39 J	0.54 J	13 J	58 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	33	39	900 J	3700 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	8.1	11	250 J	970 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.15 J	0.32 J	11 J	42 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	200 J	110 J	200 J	150 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.78 J	1.3 J	36 J	140 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	51 J	26 J	45 J	39 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.83 J	1.7 J	48 J	200 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	13 J	6.0 J	12 J	14 J
Total tetrachlorodibenzofuran (TCDF)	pg/g	57 J	70 J	1600 J	6300 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	16 J	18 J	270 J	1100 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	13 J	17 J	350 J	1400 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	13 J	17 J	350 J	1400 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB105**	**SJSB105**	**SJSB105**	**SJSB106**
Sample Identification:		**11215702-072321-BN-SJSB105(14-16)**	**11215702-072321-BN-SJSB105 (14-16)-R**	**11215702-072321-BN-SJSB105(16-18)**	**11215702-080821-BN-SJSB106(0-2)**
Sample Date:		**07/23/2021**	**07/23/2021**	**07/23/2021**	**08/08/2021**
Sample Depth:		**(14-16) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**	**(0-2) ft BGS**
			Lab Duplicate		
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**				
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	2.9 J	0.87 U	0.32 U	31
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1400	1600	1400	4400
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.3 J	1.1 U	0.20 U	4.7 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	57	70	57	130
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.68 U	0.41 U	0.049 U	0.78 J
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	3.3 J	3.6 J	0.38 J	2.2 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.62 U	1.1 U	0.76 U	2.5 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	1.0 J	0.96 J	0.14 U	1.1 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.2 J	1.8 J	1.3 J	3.0 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.21 U	0.22 U	0.11 U	0.18 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	2.6 J	3.1 J	3.6 J	6.4 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.9 J	2.6 J	0.39 J	2.0 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.59 J	0.71 J	0.32 J	0.58 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 J	0.16 U	0.029 U	0.18 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	2.1 J	2.3 J	0.18 J	1.1 J
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	160	150	14	71 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	41	41	4.3	27 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.2 J	1.9 J	0.20 J	8.9 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	180 J	210 J	200 J	310 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	5.3 J	5.6 J	0.62 J	6.6 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	42 J	54 J	51 J	65 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	7.9 J	8.0 J	0.72 J	6.1 J
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	8.6 J	11 J	11 J	0.58 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	290 J	280 J	27 J	110 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	50 J	51 J	11 J	27 J
TEQ					
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	60 J	60 J	7.6 J	39 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	60 J	60 J	7.7 J	39 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB106**	**SJSB106**	**SJSB106**	**SJSB106**	**SJSB106**
Sample Identification:		**11215702-080821-BN-SJSB106 (0-2)-R**	**11215702-080821-BN-SJSB106(2-4)**	**11215702-080821-BN-SJSB106(4-6)**	**11215702-080821-BN-SJSB106(6-8)**	**11215702-080821-BN-DUP-15**
Sample Date:		**08/08/2021**	**08/08/2021**	**08/08/2021**	**08/08/2021**	**08/08/2021**
Sample Depth:		**(0-2) ft BGS**	**(2-4) ft BGS**	**(4-6) ft BGS**	**(6-8) ft BGS**	**(6-8) ft BGS**
		Lab Duplicate				**Field Duplicate**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	5.6 U	0.69 J	3.1 J	0.65 J	0.078 U
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	3600	950 J	2700	1400	810
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	1.2 U	0.39 U	1.0 U	0.37 U	0.084 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	100	36	73	58	35
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.093 U	0.12 U	0.26 J	0.076 U	0.076 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.67 U	0.42 J	0.92 J	0.037 U	0.030 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.5 U	0.79 J	0.77 J	0.94 J	0.25 U
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.27 U	0.069 U	0.46 J	0.037 U	0.029 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.8 J	1.0 J	1.5 J	1.3 J	0.27 U
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.12 U	0.27 J	0.21 J	0.036 U	0.024 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.6 J	2.7 J	3.1 J	3.3 J	2.8 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.50 J	0.69 J	0.13 U	0.072 U	0.053 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.39 J	0.29 U	0.32 U	0.25 U	0.23 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.15 U	0.18 J	0.073 U	0.037 U	0.026 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.41 J	0.17 U	0.13 U	0.075 U	0.062 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	22 J	4.5	17	2.7	0.79 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	6.6 J	1.8	5.3	0.90 J	0.098 U
Total heptachlorodibenzofuran (HpCDF)	pg/g	2.0 J	0.39 J	1.3 J	0.57 J	0.084 U
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	240 J	100 J	190 J	190 J	110 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	2.0 J	0.87 J	1.6 J	0.037 U	0.030 U
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	42 J	24 J	35 J	55 J	38 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	2.7 J	3.8 J	0.51 U	0.075 U	0.062 U
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	8.0 J	0.29 U	0.32 U	0.25 U	0.23 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	39 J	6.4 J	27 J	2.4 J	0.79 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	12 J	4.6 J	5.3 J	5.6 J	2.4 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	12 J	3.4 J	9.2 J	2.7 J	0.87 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	12 J	3.6 J	9.4 J	2.9 J	1.1 J

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 2

Analytical Results Summary
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation-Northern Impoundment Area
San Jacinto, Harris County, Texas
July-August 2021

Sample Location:		**SJSB106**	**SJSB106**	**SJSB106**	**SJSB106**	**SJSB106**
Sample Identification:		**11215702-080821-BN-SJSB106(8-10)**	**11215702-080821-BN-SJSB106(10-12)**	**11215702-080821-BN-SJSB106(12-14)**	**11215702-080821-BN-SJSB106(14-16)**	**11215702-080821-BN-SJSB106(16-18)**
Sample Date:		**08/08/2021**	**08/08/2021**	**08/08/2021**	**08/08/2021**	**08/08/2021**
Sample Depth:		**(8-10) ft BGS**	**(10-12) ft BGS**	**(12-14) ft BGS**	**(14-16) ft BGS**	**(16-18) ft BGS**
Polychlorinated Dibenzodioxins (PCDDs) & Polychlorinated Dibenzofurans (PCDFs)	**Units**					
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	pg/g	0.65 J	0.77 J	0.61 J	0.80 J	0.80 J
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	pg/g	1000	1900	1300	990	1100
1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	pg/g	0.47 U	0.45 U	0.37 U	0.51 U	0.37 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	47	85	61	46	53
1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	pg/g	0.092 U	0.13 U	0.097 U	0.11 U	0.095 U
1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.065 U	0.046 U	0.058 U	0.078 U	0.057 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	0.68 J	0.75 J	1.0 J	0.38 U	0.87 J
1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.063 U	0.047 U	0.054 U	0.078 U	0.057 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	1.4 J	2.1 J	1.9 J	0.44 U	1.4 J
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	pg/g	0.056 U	0.044 U	0.055 U	0.071 U	0.15 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	3.3 J	5.2 J	3.8 J	3.9 J	3.8 J
1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.37 J	0.076 U	0.076 U	0.10 U	0.093 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.38 U	0.35 U	0.30 U	0.24 U	0.28 U
2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	pg/g	0.058 U	0.045 U	0.054 U	0.076 U	0.053 U
2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	pg/g	0.080 U	0.076 U	0.078 U	0.11 U	0.11 U
2,3,7,8-Tetrachlorodibenzofuran (TCDF)	pg/g	3.5	0.77 U	0.99 U	2.3 U	3.2
2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	1.5 J	0.19 U	0.69 J	0.18 U	1.4 J
Total heptachlorodibenzofuran (HpCDF)	pg/g	0.47 J	0.45 J	0.27 J	0.51 J	0.28 J
Total heptachlorodibenzo-p-dioxin (HpCDD)	pg/g	130 J	240 J	180 J	140 J	160 J
Total hexachlorodibenzofuran (HxCDF)	pg/g	0.065 U	0.047 U	0.058 U	0.14 U	0.15 J
Total hexachlorodibenzo-p-dioxin (HxCDD)	pg/g	38 J	64 J	54 J	43 J	48 J
Total pentachlorodibenzofuran (PeCDF)	pg/g	0.75 J	0.076 U	0.078 U	0.11 U	0.14 U
Total pentachlorodibenzo-p-dioxin (PeCDD)	pg/g	0.38 U	0.35 U	0.30 U	0.24 U	0.28 U
Total tetrachlorodibenzofuran (TCDF)	pg/g	5.7 J	0.77 J	0.99 J	1.6 J	2.8 J
Total tetrachlorodibenzo-p-dioxin (TCDD)	pg/g	4.4 J	1.8 J	4.9 J	2.3 J	1.4 J
TEQ						
Total WHO Dioxin TEQ(Human/Mammal)(ND=0)	pg/g	3.2 J	2.2 J	2.4 J	1.2 J	3.2 J
Total WHO Dioxin TEQ(Human/Mammal)(ND=0.5)	pg/g	3.4 J	2.6 J	2.6 J	1.6 J	3.4 J

Notes:

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J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated
J- - Estimated concentration, result may be biased low
J+- Estimated concentration, result may be biased high
TEQ - Toxicity Equivalent Quotient
ft BGS - Feet below ground surface

Table 3

Analytical Methods
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Method	Matrix	Preservation	Holding Time	
				Collection to Extraction (Days)	Extraction to Analysis (Days)
PCDDs/PCDFs	EPA 1613B	Soil	Iced, 0-6° C	365	365

Notes:

EPA - Environmental Protection Agency Office of Water
PCDDs - Polychlorinated Dibenzodioxins
PCDFs - Polychlorinated Dibenzofurans

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/03/2021	0.57J	11215702-072121-SS-SJSB077(16-18)	1.0 J	1.0 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	07/23/2021	0.49J	11215702-072021-SS-SJSB072(8-10)	0.23 J	0.49 U	pg/g
				11215702-072021-SS-SJSB072(10-12)	5.3 J	5.3 U	pg/g
				11215702-072021-SS-SJSB072(14-16)	0.31 J	0.49 U	pg/g
				11215702-072021-SS-SJSB072(16-18)	2.3 J	2.3 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	07/23/2021	0.67J	11215702-072021-SS-SJSB072(8-10)	0.89 J	0.89 U	pg/g
				11215702-072021-SS-SJSB072(10-12)	1.3 J	1.3 U	pg/g
				11215702-072021-SS-SJSB072(12-14)	0.85 J	0.85 U	pg/g
				11215702-072021-SS-SJSB072(14-16)	0.77 J	0.77 U	pg/g
				11215702-072021-SS-SJSB072(16-18)	0.84 J	0.84 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	07/23/2021	1.1J	11215702-072021-SS-SJSB075(10-12)	3.0 J	3.0 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	0.66 J	1.1 U	pg/g
				11215702-072021-SS-SJSB073(10-12)	1.8 J	1.8 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	1.5 J	1.5 U	pg/g
				11215702-072021-SS-SJSB075(4-6)	970 J	970 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	07/23/2021	17	11215702-072021-SS-SJSB075(10-12)	130	130 U	pg/g
				11215702-072021-SS-SJSB075(12-14)	52	52 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	240	240 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	190	190 U	pg/g
				11215702-072021-SS-SJSB073(10-12)	160	160 U	pg/g
				11215702-072021-SS-SJSB073(12-14)	200	200 U	pg/g
				11215702-072021-SS-SJSB075(4-6)	11000	11000 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	07/23/2021	0.48J	11215702-072021-SS-SJSB075(14-16)	0.28 J	0.48 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	0.30 J	0.48 U	pg/g
				11215702-072021-SS-SJSB073(10-12)	2.2 J	2.2 U	pg/g
				11215702-072021-SS-SJSB073(12-14)	0.64 J	0.64 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	0.92 J	0.92 U	pg/g

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	07/23/2021	1.2J	11215702-072021-SS-SJSB075(10-12)	7.0	7.0 U	pg/g
				11215702-072021-SS-SJSB075(12-14)	1.9 J	1.9 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	15 J	15 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	07/23/2021	0.30J	11215702-072021-SS-SJSB075(16-18)	0.26 J	0.30 U	pg/g
				11215702-072021-SS-SJSB073(0-2)	1.5 J	1.5 U	pg/g
				11215702-072021-SS-SJSB073(10-12)	0.85 J	0.85 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	0.51 J	0.51 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	07/23/2021	0.15J	11215702-072021-SS-SJSB075(10-12)	0.30 J	0.30 U	pg/g
				11215702-072021-SS-SJSB075(12-14)	0.25 J	0.25 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	0.28 J	0.28 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	0.37 J	0.37 U	pg/g
				11215702-072021-SS-SJSB075(4-6)	6.3 J	6.3 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	07/23/2021	0.13J	11215702-072021-SS-SJSB075(12-14)	0.32 J	0.32 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	0.34 J	0.34 U	pg/g
				11215702-072021-SS-SJSB073(12-14)	0.46 J	0.46 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	0.64 J	0.64 U	pg/g
				11215702-072021-SS-SJSB073(16-18)	0.38 J	0.38 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	07/23/2021	1.2J	11215702-072021-SS-SJSB075(10-12)	2.1 J	2.1 U	pg/g
				11215702-072021-SS-SJSB075(12-14)	2.9 J	2.9 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	1.9 J	1.9 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	1.9 J	1.9 U	pg/g
				11215702-072021-SS-SJSB073(0-2)	2.8 J	2.8 U	pg/g
				11215702-072021-SS-SJSB073(10-12)	3.0 J	3.0 U	pg/g
				11215702-072021-SS-SJSB073(12-14)	2.3 J	2.3 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	2.5 J	2.5 U	pg/g
				11215702-072021-SS-SJSB073(16-18)	2.3 J	2.3 U	pg/g
				11215702-072021-SS-SJSB075(4-6)	110 J	110 U	pg/g

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	07/23/2021	0.30J	11215702-072021-SS-SJSB075(10-12)	0.43 J	0.43 U	pg/g
				11215702-072021-SS-SJSB075(12-14)	0.36 J	0.36 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	1.1 J	1.1 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	0.72 J	0.72 U	pg/g
				11215702-072021-SS-SJSB073(0-2)	0.56 J	0.56 U	pg/g
				11215702-072021-SS-SJSB073(12-14)	1.3 J	1.3 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	1.9 J	1.9 U	pg/g
				11215702-072021-SS-SJSB075(4-6)	9.6 J	9.6 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	07/23/2021	0.86J	11215702-072021-SS-SJSB075(12-14)	1.7 J	1.7 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	1.4 J	1.4 U	pg/g
				11215702-072021-SS-SJSB075(16-18)	1.4 J	1.4 U	pg/g
				11215702-072021-SS-SJSB073(10-12)	4.5 J	4.5 U	pg/g
				11215702-072021-SS-SJSB073(12-14)	1.9 J	1.9 U	pg/g
				11215702-072021-SS-SJSB073(14-16)	2.7 J	2.7 U	pg/g
				11215702-072021-SS-SJSB073(16-18)	1.6 J	1.6 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	07/23/2021	0.074J	11215702-072021-SS-SJSB075(16-18)	0.12 J	0.12 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	07/23/2021	0.40J	11215702-072021-SS-SJSB075(12-14)	1.3	1.3 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	5.9 J	5.9 U	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	07/23/2021	0.21J	11215702-072021-SS-SJSB075(12-14)	0.98 J	0.98 U	pg/g
				11215702-072021-SS-SJSB075(14-16)	1.8 J	1.8 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/10/2021	0.16J	11215702-072021-SS-SJSB073(8-10)	12 J	12 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/10/2021	0.19J	11215702-072021-SS-SJSB073(6-8)	100 J	100 U	pg/g
				11215702-072021-SS-SJSB073(8-10)	140 J	140 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/10/2021	0.051J	11215702-072021-SS-SJSB073(6-8)	17 J	17 U	pg/g

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/05/2021	0.14J	11215702-072421-BN-SJSB104(0-2)	1.5 J	1.5 U	pg/g
				11215702-072521-BN-SJSB092(4-6)	1.6 J	1.6 U	pg/g
				11215702-072421-BN-SJSB104(2-4)	0.25 J	0.25 U	pg/g
				11215702-072421-BN-SJSB104(4-6)	0.54 J	0.54 U	pg/g
				11215702-072421-BN-SJSB104(6-8)	0.86 J	0.86 U	pg/g
				11215702-072421-BN-SJSB104(8-10)	1.7 J	1.7 U	pg/g
				11215702-072421-BN-SJSB104(12-14)	1.7 J	1.7 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/05/2021	0.14J	11215702-072421-BN-SJSB104(0-2)	0.48 J	0.48 U	pg/g
				11215702-072521-BN-SJSB092(8-10)	0.66 J	0.66 U	pg/g
				11215702-072521-BN-SJSB092(10-12)	0.87 J	0.87 U	pg/g
				11215702-072521-BN-SJSB092(16-18)	0.44 J	0.44 U	pg/g
				11215702-072421-BN-SJSB104(2-4)	0.14 J	0.14 U	pg/g
				11215702-072421-BN-SJSB104(4-6)	0.33 J	0.33 U	pg/g
				11215702-072421-BN-SJSB104(6-8)	0.14 J	0.14 U	pg/g
				11215702-072421-BN-SJSB104(8-10)	0.59 J	0.59 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/05/2021	0.18J	11215702-072421-BN-SJSB104(0-2)	0.56 J	0.56 U	pg/g
				11215702-072521-BN-SJSB092(16-18)	0.33 J	0.33 U	pg/g
				11215702-072421-BN-SJSB104(2-4)	0.66 J	0.66 U	pg/g
				11215702-072421-BN-SJSB104(4-6)	0.45 J	0.45 U	pg/g
				11215702-072421-BN-SJSB104(6-8)	0.58 J	0.58 U	pg/g
				11215702-072421-BN-SJSB104(8-10)	0.59 J	0.59 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/05/2021	0.15J	11215702-072421-BN-SJSB104(0-2)	0.22 J	0.22 U	pg/g
				11215702-072521-BN-SJSB092(10-12)	0.38 J	0.38 U	pg/g
				11215702-072521-BN-SJSB092(16-18)	0.41 J	0.41 U	pg/g
				11215702-072421-BN-SJSB104(2-4)	0.35 J	0.35 U	pg/g
				11215702-072421-BN-SJSB104(4-6)	0.27 J	0.27 U	pg/g
				11215702-072421-BN-SJSB104(6-8)	0.29 J	0.29 U	pg/g
				11215702-072421-BN-SJSB104(8-10)	0.28 J	0.28 U	pg/g
				11215702-072421-BN-SJSB104(10-12)	0.36 J	0.36 U	pg/g
				11215702-072421-BN-SJSB104(14-16)	0.27 J	0.27 U	pg/g
				11215702-072421-BN-SJSB104(16-18)	0.35 J	0.35 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/05/2021	0.081J	11215702-072521-BN-SJSB092(0-2)	6.3 J	6.3 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/06/2021	0.32J	11215702-072521-BN-SJSB092(14-16)	0.55 J	0.55 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/06/2021	0.13J	11215702-072521-BN-SJSB092(14-16)	0.40 J	0.40 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/06/2021	0.10J	11215702-072521-BN-SJSB092(14-16)	0.20 J	0.20 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/06/2021	0.15J	11215702-072521-BN-SJSB092(14-16)	0.35 J	0.35 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/06/2021	0.11J	11215702-072521-BN-SJSB092(14-16)	0.18 J	0.18 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/04/2021	0.11J	11215702-072321-BN-SJSB105(6-8)	0.47 J	0.47 U	pg/g
				11215702-072321-BN-SJSB105(8-10)	0.49 J	0.49 U	pg/g
				11215702-072321-BN-SJSB105(10-12)	0.39 J	0.39 U	pg/g
				11215702-072321-BN-SJSB105(16-18)	0.32 J	0.32 U	pg/g
				11215702-072321-BN-SJSB085(4-6)	0.88 J	0.88 U	pg/g
				11215702-072321-BN-SJSB085(8-10)	1.1 J	1.1 U	pg/g
				11215702-072321-BN-SJSB085(10-12)	0.66 J	0.66 U	pg/g
				11215702-072321-BN-SJSB085(12-14)	0.64 J	0.64 U	pg/g
				11215702-072321-BN-SJSB085(14-16)	1.8 J	1.8 U	pg/g
				11215702-072321-BN-SJSB085(16-18)	0.52 J	0.52 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/04/2021	0.13J	11215702-072321-BN-SJSB105(6-8)	0.52 J	0.52 U	pg/g
				11215702-072321-BN-SJSB105(8-10)	0.15 J	0.15 U	pg/g
				11215702-072321-BN-SJSB105(10-12)	0.32 J	0.32 U	pg/g
				11215702-072321-BN-SJSB105(16-18)	0.20 J	0.20 U	pg/g
				11215702-072321-BN-SJSB085(4-6)	0.64 J	0.64 U	pg/g
				11215702-072321-BN-SJSB085(10-12)	0.24 J	0.24 U	pg/g
				11215702-072321-BN-SJSB085(12-14)	0.20 J	0.20 U	pg/g
				11215702-072321-BN-SJSB085(14-16)	0.85 J	0.85 U	pg/g
				11215702-072321-BN-SJSB085(16-18)	0.28 J	0.28 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/04/2021	0.10J	11215702-072321-BN-SJSB105(6-8)	0.18 J	0.18 U	pg/g
				11215702-072321-BN-SJSB105(14-16)	0.68 J	0.68 U	pg/g
				11215702-072321-BN-SJSB085(4-6)	0.20 J	0.20 U	pg/g
				11215702-072321-BN-SJSB085(6-8)	0.40 J	0.40 U	pg/g
				11215702-072321-BN-SJSB085(8-10)	0.26 J	0.26 U	pg/g
				11215702-072321-BN-SJSB085(12-14)	0.10 J	0.10 U	pg/g
				11215702-072321-BN-SJSB085(14-16)	0.20 J	0.20 U	pg/g

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Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/04/2021	0.16J	11215702-072321-BN-SJSB105(4-6)	0.54 J	0.54 U	pg/g
				11215702-072321-BN-SJSB105(6-8)	0.50 J	0.50 U	pg/g
				11215702-072321-BN-SJSB105(8-10)	0.92 J	0.92 U	pg/g
				11215702-072321-BN-SJSB105(10-12)	0.63 J	0.63 U	pg/g
				11215702-072321-BN-SJSB105(12-14)	0.58 J	0.58 U	pg/g
				11215702-072321-BN-SJSB085(2-4)	0.82 J	0.82 U	pg/g
				11215702-072321-BN-SJSB105(14-16)	0.62 J	0.62 U	pg/g
				11215702-072321-BN-SJSB105(16-18)	0.76 J	0.76 U	pg/g
				11215702-072321-BN-SJSB085(4-6)	0.44 J	0.44 U	pg/g
				11215702-072321-BN-SJSB085(6-8)	0.68 J	0.68 U	pg/g
				11215702-072321-BN-SJSB085(8-10)	0.42 J	0.42 U	pg/g
				11215702-072321-BN-SJSB085(10-12)	1.1 J	1.1 U	pg/g
				11215702-072321-BN-SJSB085(12-14)	0.87 J	0.87 U	pg/g
				11215702-072321-BN-SJSB085(14-16)	0.73 J	0.73 U	pg/g
				11215702-072321-BN-SJSB085(16-18)	0.82 J	0.82 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/04/2021	0.026J	11215702-072321-BN-SJSB105(8-10)	0.22 J	0.22 U	pg/g
				11215702-072321-BN-SJSB105(16-18)	0.14 J	0.14 U	pg/g
				11215702-072321-BN-SJSB085(10-12)	0.11 J	0.11 U	pg/g
				11215702-072321-BN-SJSB085(12-14)	0.12 J	0.12 U	pg/g
				11215702-072321-BN-SJSB085(14-16)	0.26 J	0.26 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/04/2021	0.056J	11215702-072321-BN-SJSB105(4-6)	0.38 J	0.38 U	pg/g
				11215702-072321-BN-SJSB105(12-14)	0.41 J	0.41 U	pg/g
				11215702-072321-BN-SJSB105(14-16)	0.21 J	0.21 U	pg/g
				11215702-072321-BN-SJSB105(16-18)	0.11 J	0.11 U	pg/g
				11215702-072321-BN-SJSB085(4-6)	0.12 J	0.12 U	pg/g
				11215702-072321-BN-SJSB085(8-10)	0.12 J	0.12 U	pg/g
				11215702-072321-BN-SJSB085(10-12)	0.20 J	0.20 U	pg/g
				11215702-072321-BN-SJSB085(12-14)	0.12 J	0.12 U	pg/g
				11215702-072321-BN-SJSB085(14-16)	0.16 J	0.16 U	pg/g
				11215702-072321-BN-SJSB085(16-18)	0.13 J	0.13 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	07/23/2021	0.49J	11215702-072021-BN-SJSB084(4-6)	6.7 J	6.7 U	pg/g
				11215702-072021-BN-SJSB084(6-8)	1.0 J	1.0 U	pg/g
				11215702-072021-BN-SJSB084(8-10)	6.9 J	6.9 U	pg/g
				11215702-072021-BN-SJSB084(10-12)	1.4 J	1.4 U	pg/g
				11215702-072021-BN-SJSB084(12-14)	0.84 J	0.84 U	pg/g
				11215702-072021-BN-SJSB084(14-16)	1.7 J	1.7 U	pg/g
				11215702-072021-BN-SJSB084(16-18)	2.8 J	2.8 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	07/23/2021	0.67J	11215702-072021-BN-SJSB084(2-4)	4.6 J	4.6 U	pg/g
				11215702-072021-BN-SJSB084(4-6)	1.2 J	1.2 U	pg/g
				11215702-072021-BN-SJSB084(6-8)	1.1 J	1.1 U	pg/g
				11215702-072021-BN-SJSB084(8-10)	1.0 J	1.0 U	pg/g
				11215702-072021-BN-SJSB084(10-12)	1.1 J	1.1 U	pg/g
				11215702-072021-BN-SJSB084(12-14)	1.4 J	1.4 U	pg/g
				11215702-072021-BN-SJSB084(14-16)	1.2 J	1.2 U	pg/g
				11215702-072021-BN-SJSB084(16-18)	1.2 J	1.2 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/03/2021	0.53J	11215702-072421-SS-SJSB099(12-14)	2.8 J	2.8 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/03/2021	0.15J	11215702-072521-SS-SJSB101(6-8)	0.36 J	0.36 U	pg/g
				11215702-072521-SS-SJSB101(10-12)	0.74 J	0.74 U	pg/g
				11215702-072521-SS-SJSB101(12-14)	0.28 J	0.28 U	pg/g
				11215702-072521-SS-SJSB101(14-16)	0.25 J	0.25 U	pg/g
				11215702-072521-SS-SJSB101(16-18)	0.29 J	0.29 U	pg/g
				11215702-072521-SS-SJSB079(10-12)	0.61 J	0.61 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/06/2021	0.32J	11215702-072221-SS-SJSB074(8-10)	0.38 J	0.38 U	pg/g
				11215702-072221-SS-SJSB074(10-12)	0.16 J	0.32 U	pg/g
				11215702-072221-SS-SJSB074(12-14)	0.28 J	0.32 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.34 J	0.34 U	pg/g
				11215702-072221-DUP-4	0.26 J	0.32 U	pg/g
				11215702-072221-SS-SJSB080(10-12)	0.37 J	0.37 U	pg/g
				11215702-072221-SS-SJSB080(12-14)	0.22 J	0.32 U	pg/g
				11215702-072221-SS-SJSB080(14-16)	0.21 J	0.32 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/06/2021	0.13J	11215702-072221-SS-SJSB074(8-10)	0.22 J	0.22 U	pg/g
				11215702-072221-SS-SJSB074(10-12)	0.16 J	0.16 U	pg/g
				11215702-072221-SS-SJSB074(12-14)	0.13 J	0.13 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.42 J	0.42 U	pg/g
				11215702-072221-DUP-4	0.18 J	0.18 U	pg/g
				11215702-072221-SS-SJSB080(10-12)	0.58 J	0.58 U	pg/g
				11215702-072221-SS-SJSB080(12-14)	0.16 J	0.16 U	pg/g
				11215702-072221-SS-SJSB080(14-16)	0.095 J	0.13 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/06/2021	0.10J	11215702-072221-SS-SJSB074(12-14)	0.093 J	0.099 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.12 J	0.12 U	pg/g
				11215702-072221-SS-SJSB080(10-12)	0.13 J	0.13 U	pg/g

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Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/06/2021	0.046J	11215702-072221-SS-SJSB074(10-12)	0.28 J	0.28 U	pg/g
				11215702-072221-SS-SJSB074(12-14)	0.13 J	0.13 U	pg/g
				11215702-072221-SS-SJSB080(12-14)	0.23 J	0.23 U	pg/g
				11215702-072221-SS-SJSB080(14-16)	0.096 J	0.096 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/06/2021	0.15J	11215702-072221-SS-SJSB074(6-8)	0.55 J	0.55 U	pg/g
				11215702-072221-SS-SJSB074(8-10)	0.20 J	0.20 U	pg/g
				11215702-072221-SS-SJSB074(10-12)	0.19 J	0.19 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.25 J	0.25 U	pg/g
				11215702-072221-DUP-4	0.22 J	0.22 U	pg/g
				11215702-072221-SS-SJSB080(8-10)	0.49 J	0.49 U	pg/g
				11215702-072221-SS-SJSB080(10-12)	0.20 J	0.20 U	pg/g
				11215702-072221-SS-SJSB080(12-14)	0.17 J	0.17 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/06/2021	0.042J	11215702-072221-SS-SJSB074(8-10)	0.12 J	0.12 U	pg/g
				11215702-072221-SS-SJSB074(10-12)	0.13 J	0.13 U	pg/g
				11215702-072221-SS-SJSB074(12-14)	0.054 J	0.054 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.20 J	0.20 U	pg/g
				11215702-072221-DUP-4	0.10 J	0.10 U	pg/g
				11215702-072221-SS-SJSB080(12-14)	0.092 J	0.092 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/06/2021	0.11J	11215702-072221-SS-SJSB074(10-12)	0.067 J	0.11 U	pg/g
				11215702-072221-SS-SJSB074(12-14)	0.11 J	0.11 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.19 J	0.19 U	pg/g
				11215702-072221-SS-SJSB080(10-12)	0.082 J	0.11 U	pg/g
				11215702-072221-SS-SJSB080(14-16)	0.077 J	0.11 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/06/2021	0.052J	11215702-072221-SS-SJSB074(8-10)	0.19 J	0.19 U	pg/g
				11215702-072221-SS-SJSB074(12-14)	0.22 J	0.22 U	pg/g
				11215702-072221-SS-SJSB074(14-16)	0.24 J	0.24 U	pg/g
				11215702-072221-DUP-4	0.27 J	0.27 U	pg/g
				11215702-072221-SS-SJSB080(12-14)	0.22 J	0.22 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/06/2021	0.21J	11215702-072221-SS-SJSB074(12-14)	0.76 J	0.76 U	pg/g
				11215702-072221-SS-SJSB080(14-16)	1.1 J	1.1 U	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	08/06/2021	0.14J	11215702-072221-SS-SJSB074(12-14)	0.26 J	0.26 U	pg/g
				11215702-072221-SS-SJSB080(14-16)	0.34 J	0.34 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/05/2021	0.14J	11215702-072221-SS-SJSB074(16-18)	0.018 J	0.14 U	pg/g
				11215702-072221-SS-SJSB076(16-18)	0.24 J	0.24 U	pg/g
				11215702-072221-SS-SJSB080(16-18)	0.89 J	0.89 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/05/2021	0.14J	11215702-072221-SS-SJSB074(16-18)	0.096 J	0.14 U	pg/g
				11215702-072221-SS-SJSB076(16-18)	0.21 J	0.21 U	pg/g
				11215702-072221-SS-SJSB080(16-18)	0.55 J	0.55 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/05/2021	0.18J	11215702-072221-SS-SJSB074(16-18)	0.26 J	0.26 U	pg/g
				11215702-072221-SS-SJSB076(16-18)	0.45 J	0.45 U	pg/g
				11215702-072221-SS-SJSB080(16-18)	0.28 J	0.28 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/05/2021	0.15J	11215702-072221-SS-SJSB074(16-18)	0.22 J	0.22 U	pg/g
				11215702-072221-SS-SJSB076(16-18)	0.23 J	0.23 U	pg/g
				11215702-072221-SS-SJSB080(16-18)	0.31 J	0.31 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/05/2021	0.081J	11215702-072221-SS-SJSB080(16-18)	0.27 J	0.27 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/05/2021	0.11J	11215702-072221-SS-SJSB074(16-18)	0.66 J	0.66 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/06/2021	0.18J	11215702-072621-BN-SJSB094(10-12)	1.1 J	1.1 U	pg/g
				11215702-072621-BN-SJSB094(16-18)	0.33 J	0.33 U	pg/g
				11215702-072821-BN-DUP-10	0.34 J	0.34 U	pg/g
				11215702-072821-BN-SJSB095(4-6)	0.26 J	0.26 U	pg/g
				11215702-072821-BN-SJSB095(10-12)	0.62 J	0.62 U	pg/g
				11215702-072821-BN-SJSB095(12-14)	0.29 J	0.29 U	pg/g
				11215702-072821-BN-SJSB095(14-16)	0.66 J	0.66 U	pg/g
				11215702-072821-BN-SJSB095(16-18)	0.28 J	0.28 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/06/2021	2.4	11215702-072621-BN-SJSB094(12-14)	4.3	4.3 U	pg/g
				11215702-072621-BN-SJSB094(14-16)	2.2	2.4 U	pg/g
				11215702-072621-BN-SJSB094(16-18)	6.4	6.4 U	pg/g
				11215702-072821-BN-SJSB095(4-6)	11	11 U	pg/g
				11215702-072821-BN-SJSB095(6-8)	5.5	5.5 U	pg/g
				11215702-072821-BN-SJSB095(16-18)	3.6	3.6 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/25/2021	0.22J	11215702-072221-BN-SJSB083(18-20)	0.34 J	0.34 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.38 J	0.38 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/25/2021	0.13J	11215702-072221-BN-SJSB083(18-20)	0.29 J	0.29 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.15 J	0.15 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	08/25/2021	0.19J	11215702-072221-BN-SJSB083(18-20)	1.1 J	1.1 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/25/2021	0.057J	11215702-072221-BN-SJSB083(18-20)	0.11 J	0.11 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.074 J	0.074 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.027J	11215702-072221-BN-SJSB083(18-20)	0.073 J	0.073 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.064J	11215702-072221-BN-SJSB083(18-20)	0.23 J	0.23 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.18 J	0.18 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.081J	11215702-072221-BN-SJSB083(18-20)	0.12 J	0.12 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.21 J	0.21 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.082J	11215702-072221-BN-SJSB083(18-20)	0.16 J	0.16 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.092 J	0.092 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.037J	11215702-072221-BN-SJSB083(18-20)	0.13 J	0.13 U	pg/g
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	08/25/2021	0.049J	11215702-072221-BN-SJSB083(18-20)	0.14 J	0.14 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.19 J	0.19 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.064J	11215702-072221-BN-SJSB083(18-20)	0.082 J	0.082 U	pg/g
				11215702-072521-SS-SJSB101(18-20)	0.074 J	0.074 U	pg/g

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Dioxins/Furans	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/25/2021	0.046J	11215702-072521-SS-SJSB101(18-20)	0.25 J	0.25 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/23/2021	0.88J	11215702-072121-SS-SJSB078(18-20)	0.093 J	0.88 U	pg/g
				11215702-072121-SS-SJSB078(22-24)	0.099 J	0.88 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/23/2021	0.35J	11215702-072121-SS-SJSB078(18-20)	0.14 J	0.35 U	pg/g
				11215702-072121-SS-SJSB078(22-24)	0.10 J	0.35 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	08/23/2021	0.42J	11215702-072121-SS-SJSB078(22-24)	2.6 J	2.6 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/23/2021	0.31J	11215702-072121-SS-SJSB078(18-20)	0.31 J	0.31 U	pg/g
				11215702-072121-SS-SJSB078(20-22)	0.23 J	0.31 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/23/2021	0.11J	11215702-072121-SS-SJSB078(18-20)	0.022 J	0.11 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/12/2021	0.67J	11215702-080221-BN-DUP-11	0.12 J	0.67 U	pg/g
				11215702-080221-BN-SJSB090(6-8)	0.52 J	0.67 U	pg/g
				11215702-080221-BN-SJSB090(8-10)	3.3 J	3.3 U	pg/g
				11215702-080221-BN-SJSB090(10-12)	0.28 J	0.67 U	pg/g
				11215702-080221-BN-SJSB090(12-14)	1.8 J	1.8 U	pg/g
				11215702-080221-BN-SJSB090(14-16)	0.51 J	0.67 U	pg/g
				11215702-080221-BN-SJSB090(16-18)	0.88 J	0.88 U	pg/g
				11215702-080321-BN-SJSB091(0-2)	3.3 J	3.3 U	pg/g
				11215702-080321-BN-DUP-18	0.45 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(2-4)	0.24 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(4-6)	0.54 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(6-8)	0.21 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(8-10)	0.32 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(10-12)	0.25 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(12-14)	0.17 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(14-16)	0.14 J	0.67 U	pg/g
				11215702-080321-BN-SJSB091(16-18)	0.34 J	0.67 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/12/2021	0.19J	11215702-080321-BN-DUP-18	1.3 J	1.3 U	pg/g
				11215702-080321-BN-SJSB091(8-10)	1.4 J	1.4 U	pg/g
				11215702-080321-BN-SJSB091(10-12)	0.91 J	0.91 U	pg/g
				11215702-080321-BN-SJSB091(12-14)	1.3 J	1.3 U	pg/g
				11215702-080321-BN-SJSB091(14-16)	0.93 J	0.93 U	pg/g
				11215702-080321-BN-SJSB091(16-18)	0.51 J	0.51 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/13/2021	0.45J	11215702-080421-BN-SJSB086(0-2)	0.44 J	0.45 U	pg/g
				11215702-080421-BN-DUP-12	0.26 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(2-4)	1.9 J	1.9 U	pg/g
				11215702-080421-BN-SJSB086(4-6)	0.48 J	0.48 U	pg/g
				11215702-080421-BN-SJSB086(6-8)	0.24 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(8-10)	0.29 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(10-12)	0.40 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(12-14)	0.37 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(14-16)	0.24 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(16-18)	0.58 J	0.58 U	pg/g
				11215702-080521-BN-DUP-13	0.72 J	0.72 U	pg/g
				11215702-080521-BN-SJSB081(12-14)	0.26 J	0.45 U	pg/g
				11215702-080521-BN-SJSB081(14-16)	0.52 J	0.52 U	pg/g
				11215702-080521-BN-SJSB081(16-18)	0.19 J	0.45 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/13/2021	0.18J	11215702-080421-BN-SJSB086(0-2)	0.31 J	0.31 U	pg/g
				11215702-080421-BN-DUP-12	0.27 J	0.27 U	pg/g
				11215702-080421-BN-SJSB086(2-4)	1.0 J	1.0 U	pg/g
				11215702-080421-BN-SJSB086(4-6)	0.17 J	0.18 U	pg/g
				11215702-080421-BN-SJSB086(6-8)	0.14 J	0.18 U	pg/g
				11215702-080421-BN-SJSB086(8-10)	0.15 J	0.18 U	pg/g
				11215702-080421-BN-SJSB086(10-12)	0.25 J	0.25 U	pg/g
				11215702-080421-BN-SJSB086(12-14)	0.27 J	0.27 U	pg/g
				11215702-080421-BN-SJSB086(14-16)	0.11 J	0.18 U	pg/g
				11215702-080421-BN-SJSB086(16-18)	0.17 J	0.18 U	pg/g
				11215702-080521-BN-DUP-13	0.30 J	0.30 U	pg/g
				11215702-080521-BN-SJSB081(12-14)	0.20 J	0.20 U	pg/g
				11215702-080521-BN-SJSB081(14-16)	0.30 J	0.30 U	pg/g
				11215702-080521-BN-SJSB081(16-18)	0.14 J	0.18 U	pg/g

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Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/13/2021	0.22J	11215702-080421-BN-SJSB086(0-2)	0.60 J	0.60 U	pg/g
				11215702-080421-BN-DUP-12	0.37 J	0.37 U	pg/g
				11215702-080421-BN-SJSB086(2-4)	0.61 J	0.61 U	pg/g
				11215702-080421-BN-SJSB086(4-6)	0.55 J	0.55 U	pg/g
				11215702-080421-BN-SJSB086(6-8)	0.45 J	0.45 U	pg/g
				11215702-080421-BN-SJSB086(8-10)	0.92 J	0.92 U	pg/g
				11215702-080421-BN-SJSB086(10-12)	1.0 J	1.0 U	pg/g
				11215702-080421-BN-SJSB086(12-14)	0.42 J	0.42 U	pg/g
				11215702-080421-BN-SJSB086(14-16)	0.99 J	0.99 U	pg/g
				11215702-080421-BN-SJSB086(16-18)	0.83 J	0.83 U	pg/g
				11215702-080521-BN-DUP-13	0.33 J	0.33 U	pg/g
				11215702-080521-BN-SJSB081(12-14)	0.64 J	0.64 U	pg/g
				11215702-080521-BN-SJSB081(14-16)	0.61 J	0.61 U	pg/g
				11215702-080521-BN-SJSB081(16-18)	0.29 J	0.29 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/13/2021	0.10J	11215702-080421-BN-DUP-12	0.48 J	0.48 U	pg/g
				11215702-080521-BN-DUP-13	0.41 J	0.41 U	pg/g
				11215702-080521-BN-SJSB081(16-18)	0.26 J	0.26 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/13/2021	0.11J	11215702-080421-BN-SJSB086(0-2)	0.20 J	0.20 U	pg/g
				11215702-080421-BN-DUP-12	0.12 J	0.12 U	pg/g
				11215702-080421-BN-SJSB086(2-4)	0.25 J	0.25 U	pg/g
				11215702-080421-BN-SJSB086(4-6)	0.13 J	0.13 U	pg/g
				11215702-080421-BN-SJSB086(6-8)	0.13 J	0.13 U	pg/g
				11215702-080421-BN-SJSB086(8-10)	0.13 J	0.13 U	pg/g
				11215702-080421-BN-SJSB086(10-12)	0.16 J	0.16 U	pg/g
				11215702-080421-BN-SJSB086(12-14)	0.082 J	0.11 U	pg/g
				11215702-080421-BN-SJSB086(14-16)	0.13 J	0.13 U	pg/g
				11215702-080421-BN-SJSB086(16-18)	0.082 J	0.11 U	pg/g
				11215702-080521-BN-DUP-13	0.073 J	0.11 U	pg/g
				11215702-080521-BN-SJSB081(12-14)	0.20 J	0.20 U	pg/g
				11215702-080521-BN-SJSB081(14-16)	0.18 J	0.18 U	pg/g
				11215702-080521-BN-SJSB081(16-18)	0.088 J	0.11 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/13/2021	0.13J	11215702-080521-BN-DUP-13	0.80 J	0.80 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/13/2021	0.069J	11215702-080421-BN-SJSB086(0-2)	0.089 J	0.089 U	pg/g
				11215702-080421-BN-DUP-12	0.066 J	0.069 U	pg/g
				11215702-080421-BN-SJSB086(2-4)	0.10 J	0.10 U	pg/g
				11215702-080421-BN-SJSB086(4-6)	0.054 J	0.069 U	pg/g
				11215702-080421-BN-SJSB086(6-8)	0.062 J	0.069 U	pg/g
				11215702-080421-BN-SJSB086(10-12)	0.076 J	0.076 U	pg/g

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Dioxins/Furans	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/13/2021	0.096J	11215702-080421-BN-SJSB086(4-6)	0.35 J	0.35 U	pg/g
				11215702-080421-BN-SJSB086(6-8)	0.40 J	0.40 U	pg/g
				11215702-080421-BN-SJSB086(8-10)	0.30 J	0.30 U	pg/g
				11215702-080421-BN-SJSB086(10-12)	0.23 J	0.23 U	pg/g
				11215702-080421-BN-SJSB086(16-18)	0.17 J	0.17 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/23/2021	0.88J	11215702-072021-SS-SJSB072(18-20)	0.11 J	0.88 U	pg/g
				11215702-072021-SS-SJSB072(20-22)	1.3 J	1.3 U	pg/g
				11215702-072021-SS-SJSB072(22-24)	0.076 J	0.88 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/23/2021	0.35J	11215702-072021-SS-SJSB072(18-20)	0.091 J	0.35 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	08/23/2021	0.42J	11215702-072021-SS-SJSB072(22-24)	1.8 J	1.8 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/23/2021	0.30J	11215702-072021-SS-SJSB072(20-22)	0.92 J	0.92 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/23/2021	0.31J	11215702-072021-SS-SJSB072(18-20)	0.27 J	0.31 U	pg/g
				11215702-072021-SS-SJSB072(20-22)	0.25 J	0.31 U	pg/g
				11215702-072021-SS-SJSB072(22-24)	0.22 J	0.31 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/23/2021	0.11J	11215702-072021-SS-SJSB072(20-22)	0.26 J	0.26 U	pg/g
				11215702-072021-SS-SJSB072(22-24)	0.032 J	0.11 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/16/2021	0.13J	11215702-080521-BN-SJSB081(6-8)	0.85 J	0.85 U	pg/g
				11215702-080621-BN-SJSB088(10-12)	0.54 J	0.54 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/16/2021	0.39J	11215702-080721-BN-DUP-19	0.37 J	0.39 U	pg/g
				11215702-080721-BN-SJSB089(2-4)	1.3 J	1.3 U	pg/g
				11215702-080721-BN-SJSB089(4-6)	0.31 J	0.39 U	pg/g
				11215702-080721-BN-SJSB089(6-8)	0.19 J	0.39 U	pg/g
				11215702-080721-BN-SJSB089(8-10)	0.92 J	0.92 U	pg/g
				11215702-080721-BN-SJSB089(10-12)	1.2 J	1.2 U	pg/g
				11215702-080721-BN-SJSB089(16-18)	0.15 J	0.39 U	pg/g
				11215702-080621-BN-SJSB088(14-16)	0.29 J	0.39 U	pg/g
				11215702-080621-BN-SJSB088(16-18)	9.2 J	9.2 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/16/2021	0.13J	11215702-080721-BN-DUP-19	0.14 J	0.14 U	pg/g
				11215702-080721-BN-SJSB089(4-6)	0.35 J	0.35 U	pg/g
				11215702-080721-BN-SJSB089(6-8)	0.16 J	0.16 U	pg/g
				11215702-080721-BN-SJSB089(12-14)	0.13 J	0.13 U	pg/g
				11215702-080621-BN-SJSB088(14-16)	0.11 J	0.13 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	08/16/2021	0.21J	11215702-080721-BN-SJSB089(16-18)	0.94 J	0.94 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/16/2021		11215702-080721-BN-DUP-19	0.18 J	0.18 U	pg/g
				11215702-080721-BN-SJSB089(6-8)	0.087 J	0.087 U	pg/g
				11215702-080721-BN-SJSB089(12-14)	0.25 J	0.25 U	pg/g
				11215702-080621-BN-SJSB088(14-16)	0.14 J	0.14 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/16/2021	0.085J	11215702-080721-BN-DUP-19	0.11 J	0.11 U	pg/g
				11215702-080721-BN-SJSB089(2-4)	0.17 J	0.17 U	pg/g
				11215702-080721-BN-SJSB089(4-6)	0.11 J	0.11 U	pg/g
				11215702-080721-BN-SJSB089(6-8)	0.18 J	0.18 U	pg/g
				11215702-080721-BN-SJSB089(8-10)	0.17 J	0.17 U	pg/g
				11215702-080721-BN-SJSB089(10-12)	0.14 J	0.14 U	pg/g
				11215702-080721-BN-SJSB089(14-16)	0.13 J	0.13 U	pg/g
				11215702-080621-BN-SJSB088(12-14)	0.10 J	0.10 U	pg/g
				11215702-080621-BN-SJSB088(14-16)	0.094 J	0.094 U	pg/g
				11215702-080621-BN-SJSB088(16-18)	1.5 J	1.5 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/16/2021	0.098J	11215702-080721-BN-SJSB089(12-14)	0.21 J	0.21 U	pg/g
				11215702-080721-BN-SJSB089(16-18)	0.12 J	0.12 U	pg/g
				11215702-080621-BN-DUP-13	12 J	12 U	pg/g
				11215702-080621-BN-SJSB088(12-14)	0.57 J	0.57 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/16/2021	0.054J	11215702-080721-BN-SJSB089(2-4)	0.22 J	0.22 U	pg/g
				11215702-080721-BN-SJSB089(4-6)	0.064 J	0.064 U	pg/g
				11215702-080721-BN-SJSB089(8-10)	0.22 J	0.22 U	pg/g
				11215702-080721-BN-SJSB089(10-12)	0.14 J	0.14 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/09/2021	0.14J	11215702-080621-BN-SJSB088(18-20)	0.40 J	0.40 U	pg/g
				11215702-080621-BN-SJSB088(20-22)	0.17 J	0.17 U	pg/g
				11215702-080621-BN-SJSB088(22-24)	0.20 J	0.20 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/09/2021	0.082J	11215702-080621-BN-SJSB088(18-20)	0.26 J	0.26 U	pg/g
				11215702-080621-BN-SJSB088(20-22)	0.26 J	0.26 U	pg/g
				11215702-080621-BN-SJSB088(22-24)	0.21 J	0.21 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/09/2021	0.077J	11215702-080621-BN-SJSB088(18-20)	0.14 J	0.14 U	pg/g
				11215702-080621-BN-SJSB088(20-22)	0.067 J	0.077 U	pg/g

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Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.041J	11215702-080621-BN-SJSB088(22-24)	0.23 J	0.23 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.047J	11215702-080621-BN-SJSB088(18-20)	0.18 J	0.18 U	pg/g
				11215702-080621-BN-SJSB088(22-24)	0.21 J	0.21 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.14J	11215702-080621-BN-SJSB088(18-20)	0.13 J	0.14 U	pg/g
				11215702-080621-BN-SJSB088(20-22)	0.14 J	0.14 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	09/09/2021	0.087J	11215702-080621-BN-SJSB088(20-22)	0.28 J	0.28 U	pg/g
				11215702-080621-BN-SJSB088(22-24)	0.32 J	0.32 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.051J	11215702-080621-BN-SJSB088(18-20)	0.083 J	0.083 U	pg/g
				11215702-080621-BN-SJSB088(20-22)	0.086 J	0.086 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/09/2021	0.074J	11215702-080621-BN-SJSB088(20-22)	0.22 J	0.22 U	pg/g
				11215702-080621-BN-SJSB088(22-24)	0.25 J	0.25 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/19/2021	0.37J	11215702-080821-BN-SJSB106(0-2)	4.7 J	4.7 U	pg/g
				11215702-080821-BN-SJSB106(2-4)	0.39 J	0.39 U	pg/g
				11215702-080821-BN-SJSB106(4-6)	1.0 J	1.0 U	pg/g
				11215702-080821-BN-SJSB106(6-8)	0.35 J	0.37 U	pg/g
				11215702-080821-BN-SJSB106(8-10)	0.47 J	0.47 U	pg/g
				11215702-080821-BN-SJSB106(10-12)	0.45 J	0.45 U	pg/g
				11215702-080821-BN-SJSB106(12-14)	0.27 J	0.37 U	pg/g
				11215702-080821-BN-SJSB106(14-16)	0.51 J	0.51 U	pg/g
				11215702-080821-BN-SJSB106(16-18)	0.28 J	0.37 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/19/2021	0.31J	11215702-080821-BN-DUP-15	0.79 J	0.79 U	pg/g
				11215702-080821-BN-SJSB106(10-12)	0.77 J	0.77 U	pg/g
				11215702-080821-BN-SJSB106(12-14)	0.99 J	0.99 U	pg/g
				11215702-080821-BN-SJSB106(14-16)	2.3	2.3 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/20/2021	0.14J	11215702-080921-DUP-16	0.29 J	0.29 U	pg/g
				11215702-080921-BN-SJSB082(6-8)	0.30 J	0.30 U	pg/g
				11215702-080921-BN-SJSB082(10-12)	0.26 J	0.26 U	pg/g
				11215702-080921-BN-SJSB082(12-14)	0.55 J	0.55 U	pg/g
				11215702-080921-BN-SJSB082(14-16)	0.32 J	0.32 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/20/2021	0.22J	11215702-080921-DUP-16	0.28 J	0.28 U	pg/g
				11215702-080921-BN-SJSB082(6-8)	0.33 J	0.33 U	pg/g
				11215702-080921-BN-SJSB082(10-12)	0.18 J	0.22 U	pg/g
				11215702-080921-BN-SJSB082(12-14)	0.43 J	0.43 U	pg/g
				11215702-080921-BN-SJSB082(14-16)	0.28 J	0.28 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/20/2021	0.15J	11215702-080921-DUP-16	0.11 J	0.15 U	pg/g
				11215702-080921-BN-SJSB082(6-8)	0.13 J	0.15 U	pg/g
				11215702-080921-BN-SJSB082(8-10)	0.86 J	0.86 U	pg/g
				11215702-080921-BN-SJSB082(14-16)	0.052 J	0.15 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/20/2021	0.038J	11215702-080921-BN-SJSB082(12-14)	0.24 J	0.24 U	pg/g
				11215702-080921-BN-SJSB082(14-16)	0.29 J	0.29 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/20/2021	0.14J	11215702-080921-BN-SJSB082(0-2)	3.0 J	3.0 U	pg/g
				11215702-080921-DUP-16	0.33 J	0.33 U	pg/g
				11215702-080921-BN-SJSB082(2-4)	0.33 J	0.33 U	pg/g
				11215702-080921-BN-SJSB082(4-6)	0.44 J	0.44 U	pg/g
				11215702-080921-BN-SJSB082(6-8)	0.40 J	0.40 U	pg/g
				11215702-080921-BN-SJSB082(8-10)	0.48 J	0.48 U	pg/g
				11215702-080921-BN-SJSB082(10-12)	0.53 J	0.53 U	pg/g
				11215702-080921-BN-SJSB082(12-14)	0.49 J	0.49 U	pg/g
				11215702-080921-BN-SJSB082(14-16)	0.69 J	0.69 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/20/2021	0.061J	11215702-080921-DUP-16	0.083 J	0.083 U	pg/g
				11215702-080921-BN-SJSB082(6-8)	0.15 J	0.15 U	pg/g
				11215702-080921-BN-SJSB082(8-10)	0.25 J	0.25 U	pg/g
				11215702-080921-BN-SJSB082(10-12)	0.086 J	0.086 U	pg/g
				11215702-080921-BN-SJSB082(12-14)	0.092 J	0.092 U	pg/g
				11215702-080921-BN-SJSB082(14-16)	0.12 J	0.12 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/20/2021	0.12J	11215702-080921-BN-SJSB082(0-2)	5.0 J	5.0 U	pg/g
				11215702-080921-DUP-16	0.50 J	0.50 U	pg/g
				11215702-080921-BN-SJSB082(2-4)	0.50 J	0.50 U	pg/g
				11215702-080921-BN-SJSB082(4-6)	0.60 J	0.60 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/20/2021	0.17J	11215702-080921-BN-SJSB082(12-14)	0.50 J	0.50 U	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	08/20/2021	0.12J	11215702-080921-BN-SJSB082(12-14)	0.26 J	0.26 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/23/2021	0.88J	11215702-081021-BN-DUP-17	0.12 J	0.88 U	pg/g
				11215702-081021-BN-SJSB087(6-8)	3.3 J	3.3 U	pg/g
				11215702-081021-BN-SJSB087(10-12)	0.18 J	0.88 U	pg/g
				11215702-081021-BN-SJSB087(12-14)	1.9 J	1.9 U	pg/g
				11215702-081021-BN-SJSB087(14-16)	9.9 J	9.9 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/23/2021	0.35J	11215702-081021-BN-DUP-17	0.12 J	0.35 U	pg/g
				11215702-081021-BN-SJSB087(6-8)	0.92 J	0.92 U	pg/g
				11215702-081021-BN-SJSB087(10-12)	0.14 J	0.35 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/23/2021	0.30J	11215702-081021-BN-SJSB087(6-8)	0.16 J	0.30 U	pg/g
				11215702-081021-BN-SJSB087(12-14)	0.98 J	0.98 U	pg/g

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Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/23/2021	0.31J	11215702-081021-BN-SJSB087(0-2)	1.2 J	1.2 U	pg/g
				11215702-081021-BN-DUP-17	0.42 J	0.42 U	pg/g
				11215702-081021-BN-SJSB087(2-4)	2.3 J	2.3 U	pg/g
				11215702-081021-BN-SJSB087(4-6)	1.0 J	1.0 U	pg/g
				11215702-081021-BN-SJSB087(6-8)	0.49 J	0.49 U	pg/g
				11215702-081021-BN-SJSB087(8-10)	0.63 J	0.63 U	pg/g
				11215702-081021-BN-SJSB087(10-12)	0.60 J	0.60 U	pg/g
				11215702-081021-BN-SJSB087(12-14)	0.31 J	0.31 U	pg/g
				11215702-081021-BN-SJSB087(14-16)	0.59 J	0.59 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/23/2021	0.11J	11215702-081021-BN-SJSB087(12-14)	0.39 J	0.39 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/20/2021	2.6J	11215702-081021-BN-SJSB087(16-18)	2.1 J	2.6 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/20/2021	0.68J	11215702-081021-BN-SJSB087(16-18)	0.56 J	0.68 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/25/2021	0.22J	11215702-081921-BN-SJSB102(2-4)	12 J	12 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	7.6 J	7.6 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/25/2021	0.13J	11215702-081921-BN-SJSB102(2-4)	3.0 J	3.0 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	3.5 J	3.5 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/25/2021	0.057J	11215702-081921-BN-SJSB102(2-4)	1.1 J	1.1 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	1.7 J	1.7 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.051J	11215702-081921-BN-SJSB102(2-4)	1.1 J	1.1 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.027J	11215702-081921-BN-SJSB102(16-18)	1.1 J	1.1 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.064J	11215702-081921-BN-SJSB102(2-4)	0.23 J	0.23 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	3.0 J	3.0 U	pg/g

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Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.081J	11215702-081921-BN-SJSB102(2-4)	1.3 J	1.3 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	1.7 J	1.7 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.082J	11215702-081921-BN-SJSB102(2-4)	1.2 J	1.2 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	1.6 J	1.6 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.037J	11215702-081921-BN-SJSB102(2-4)	1.1 J	1.1 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/25/2021	0.052J	11215702-081921-BN-SJSB102(2-4)	1.6 J	1.6 U	pg/g
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	08/25/2021	0.049J	11215702-081921-BN-SJSB102(2-4)	1.0 J	1.0 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	2.3 J	2.3 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.064J	11215702-081921-BN-SJSB102(2-4)	0.80 J	0.80 U	pg/g
				11215702-081921-BN-SJSB102(16-18)	0.91 J	0.91 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/25/2021	0.046J	11215702-081921-BN-SJSB102(2-4)	1.2 J	1.2 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/26/2021	0.089J	11215702-081921-BN-SJSB102(10-12)	0.26 J	0.26 U	pg/g

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Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/26/2021	0.064J	11215702-081921-BN-SJSB102(10-12)	0.13 J	0.13 U	pg/g
				11215702-081921-BN-SJSB102(14-16)	0.11 J	0.11 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.063J	11215702-081921-BN-SJSB102(10-12)	0.24 J	0.24 U	pg/g
				11215702-081921-BN-SJSB102(14-16)	0.093 J	0.093 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.041J	11215702-081921-BN-SJSB102(10-12)	0.21 J	0.21 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.083J	11215702-081921-BN-SJSB102(14-16)	0.15 J	0.15 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.074J	11215702-081921-BN-SJSB102(10-12)	0.35 J	0.35 U	pg/g
				11215702-081921-BN-SJSB102(14-16)	0.20 J	0.20 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.085J	11215702-081921-BN-SJSB102(10-12)	0.22 J	0.22 U	pg/g
				11215702-081921-BN-SJSB102(12-14)	0.24 J	0.24 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.096J	11215702-081921-BN-SJSB102(14-16)	0.085 J	0.096 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/03/2021	0.097J	11215702-081921-BN-SJSB102(6-8)	1.4 J	1.4 U	pg/g
				11215702-081921-BN-SJSB102(8-10)	1.1 J	1.1 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.052J	11215702-081921-BN-SJSB102(6-8)	0.63 J	0.63 U	pg/g
				11215702-081921-BN-SJSB102(8-10)	0.34 J	0.34 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.040J	11215702-081921-BN-SJSB102(8-10)	0.22 J	0.22 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.064J	11215702-081921-BN-SJSB102(6-8)	3.1 J	3.1 U	pg/g
				11215702-081921-BN-SJSB102(8-10)	2.0 J	2.0 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/03/2021	0.094J	11215702-081921-BN-SJSB102(4-6)	1.4 J	1.4 U	pg/g
				11215702-081921-BN-SJSB102(6-8)	0.90 J	0.90 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.078J	11215702-081921-BN-SJSB102(6-8)	0.87 J	0.87 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.097J	11215702-081921-BN-SJSB102(6-8)	0.31 J	0.31 U	pg/g
				11215702-081921-BN-SJSB102(8-10)	0.35 J	0.35 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.11J	11215702-081921-BN-SJSB102(4-6)	2.2 J	2.2 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/03/2021	0.16J	11215702-081921-BN-SJSB102(6-8)	1.8 J	1.8 U	pg/g
				11215702-081921-BN-SJSB102(8-10)	1.9 J	1.9 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/02/2021	0.10J	11215702-081921-BN-SJSB102(18-20)	2.0 J	2.0 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	1.4 J	1.4 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.69 J	0.69 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/02/2021	0.080J	11215702-081921-BN-SJSB102(18-20)	1.4 J	1.4 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	0.51 J	0.51 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.93 J	0.93 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/02/2021	0.11J	11215702-081921-BN-SJSB102(18-20)	1.3 J	1.3 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	0.57 J	0.57 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.69 J	0.69 U	pg/g

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Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/02/2021	0.11J	11215702-081921-BN-SJSB102(18-20)	2.9 J	2.9 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	1.2 J	1.2 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.87 J	0.87 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/02/2021	0.16J	11215702-081921-BN-SJSB102(18-20)	2.6 J	2.6 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	3.3 J	3.3 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	1.5 J	1.5 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/02/2021	0.12J	11215702-081921-BN-SJSB102(18-20)	1.4 J	1.4 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	0.68 J	0.68 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.48 J	0.48 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/02/2021	0.093J	11215702-081921-BN-SJSB102(18-20)	4.1 J	4.1 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	3.9 J	3.9 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	2.7 J	2.7 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/02/2021	0.12J	11215702-081921-BN-SJSB102(18-20)	2.6 J	2.6 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	1.2 J	1.2 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.57 J	0.57 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/02/2021	0.16J	11215702-081921-BN-SJSB102(18-20)	5.1 J	5.1 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	2.7 J	2.7 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	3.2 J	3.2 U	pg/g

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Dioxins/Furans	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	09/02/2021	0.17J	11215702-081921-BN-SJSB102(18-20)	1.6 J	1.6 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	1.9 J	1.9 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	1.4 J	1.4 U	pg/g
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	09/02/2021	0.34J	11215702-081921-BN-SJSB102(18-20)	4.1 J	4.1 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	3.6 J	3.6 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	3.9 J	3.9 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/02/2021	0.074J	11215702-081921-BN-SJSB102(18-20)	1.5 J	1.5 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	0.64 J	0.64 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.59 J	0.59 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/02/2021	0.13J	11215702-081921-BN-SJSB102(18-20)	3.2 J	3.2 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	1.3 J	1.3 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.48 J	0.48 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	09/02/2021	0.075J	11215702-081921-BN-SJSB102(20-22)	1.4 J	1.4 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	0.50 J	0.50 U	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	09/02/2021	0.079J	11215702-081921-BN-SJSB102(18-20)	6.0 J	6.0 U	pg/g
				11215702-081921-BN-SJSB102(20-22)	0.98 J	0.98 U	pg/g
				11215702-081921-BN-SJSB102(22-24)	1.7 J	1.7 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/25/2021	0.22J	11215702-082021-BN-SJSB098(16-18)	0.19 J	0.22 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/25/2021	0.13J	11215702-082021-BN-SJSB098(16-18)	0.14 J	0.14 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/25/2021	0.057J	11215702-082021-BN-SJSB098(16-18)	0.033 J	0.057 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.051J	11215702-082021-BN-SJSB098(16-18)	0.051 J	0.051 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.027J	11215702-082021-BN-SJSB098(16-18)	0.044 J	0.044 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.064J	11215702-082021-BN-SJSB098(16-18)	0.054 J	0.064 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.081J	11215702-082021-BN-SJSB098(16-18)	0.088 J	0.088 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.082J	11215702-082021-BN-SJSB098(16-18)	0.054 J	0.082 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/25/2021	0.037J	11215702-082021-BN-SJSB098(16-18)	0.099 J	0.099 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/25/2021	0.052J	11215702-082021-BN-SJSB098(16-18)	0.11 J	0.11 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/25/2021	0.064J	11215702-082021-BN-SJSB098(16-18)	0.039 J	0.064 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/25/2021	0.045J	11215702-082021-BN-SJSB098(16-18)	0.073 J	0.073 U	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	08/25/2021	0.023J	11215702-082021-BN-SJSB098(16-18)	0.10 J	0.10 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/26/2021	0.089J	11215702-082021-BN-SJSB098(14-16)	0.39 J	0.39 U	pg/g
				11215702-082121-BN-SJSB103(10-12)	0.071 J	0.089 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.099 J	0.099 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.088 J	0.089 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.084 J	0.089 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.084 J	0.089 U	pg/g

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Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/26/2021	0.064J	11215702-082021-BN-SJSB098(14-16)	0.38 J	0.38 U	pg/g
				11215702-082121-BN-SJSB103(10-12)	0.045 J	0.064 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.031 J	0.064 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.082 J	0.082 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.058 J	0.064 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.033 J	0.064 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/26/2021	0.047J	11215702-082021-BN-SJSB098(14-16)	0.20 J	0.20 U	pg/g
				11215702-082121-BN-SJSB103(10-12)	0.019 J	0.047 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.031 J	0.047 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.079 J	0.079 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.019 J	0.047 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.063J	11215702-082121-BN-SJSB103(10-12)	0.056 J	0.063 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.048 J	0.063 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.064 J	0.064 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.067 J	0.067 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.054 J	0.063 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.041J	11215702-082121-BN-SJSB103(10-12)	0.051 J	0.051 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.037 J	0.041 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.056 J	0.056 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.050 J	0.050 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.047 J	0.047 U	pg/g

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Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/26/2021	0.017J	11215702-082121-BN-SJSB103(10-12)	0.055 J	0.055 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.098 J	0.098 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.12 J	0.12 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.083J	11215702-082021-BN-SJSB098(14-16)	0.15 J	0.15 U	pg/g
				11215702-082121-BN-SJSB103(10-12)	0.076 J	0.083 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.069 J	0.083 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.037 J	0.083 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.044 J	0.083 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/26/2021	0.050J	11215702-082121-BN-SJSB103(10-12)	0.12 J	0.12 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.24 J	0.24 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.21 J	0.21 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.25 J	0.25 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.17 J	0.17 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.074J	11215702-082121-BN-SJSB103(10-12)	0.072 J	0.074 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.088 J	0.088 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.10 J	0.10 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.14 J	0.14 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.057 J	0.074 U	pg/g

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Dioxins/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.085J	11215702-082021-BN-SJSB098(14-16)	0.16 J	0.16 U	pg/g
				11215702-082121-BN-SJSB103(10-12)	0.031 J	0.085 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.028 J	0.085 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.045 J	0.085 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.050 J	0.085 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.096J	11215702-082021-BN-SJSB098(14-16)	0.53 J	0.53 U	pg/g
				11215702-082121-BN-SJSB103(10-12)	0.058 J	0.096 U	pg/g
				11215702-082121-BN-SJSB103(12-14)	0.068 J	0.096 U	pg/g
				11215702-082221-BN-SJSB097(10-12)	0.079 J	0.096 U	pg/g
				11215702-082221-BN-SJSB097(12-14)	0.093 J	0.096 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.028 J	0.096 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/26/2021	0.10J	11215702-082121-BN-SJSB103(12-14)	0.28 J	0.28 U	pg/g
				11215702-082221-BN-SJSB097(14-16)	0.11 J	0.11 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/03/2021	0.097J	11215702-082121-BN-SJSB103(4-6)	2.5 J	2.5 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	1.4 J	1.4 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	0.76 J	0.76 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.76 J	0.76 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.98 J	0.98 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	1.0 J	1.0 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	09/03/2021	0.22J	11215702-082121-BN-SJSB103(8-10)	8.4 J	8.4 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.052J	11215702-082121-BN-SJSB103(4-6)	1.1 J	1.1 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	0.88 J	0.88 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	0.55 J	0.55 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.57 J	0.57 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.31 J	0.31 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.62 J	0.62 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	09/03/2021	0.14J	11215702-082121-BN-SJSB103(6-8)	2.1 J	2.1 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.9 J	1.9 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	3.6 J	3.6 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.040J	11215702-082121-BN-SJSB103(4-6)	0.60 J	0.60 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	0.62 J	0.62 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	0.53 J	0.53 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.27 J	0.27 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.29 J	0.29 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.064J	11215702-082121-BN-SJSB103(4-6)	1.7 J	1.7 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	1.3 J	1.3 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.3 J	1.3 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.42 J	0.42 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.31 J	0.31 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.69 J	0.69 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/03/2021	0.094J	11215702-082021-BN-SJSB098(6-8)	2.2 J	2.2 U	pg/g
				11215702-082021-BN-SJSB098(8-10)	2.0 J	2.0 U	pg/g
				11215702-082121-BN-SJSB103(4-6)	0.40 J	0.40 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	0.82 J	0.82 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.0 J	1.0 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.59 J	0.59 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.48 J	0.48 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.76 J	0.76 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.078J	11215702-082121-BN-SJSB103(4-6)	0.91 J	0.91 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	1.5 J	1.5 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.2 J	1.2 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.44 J	0.44 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.23 J	0.23 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.92 J	0.92 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.097J	11215702-082121-BN-SJSB103(4-6)	0.62 J	0.62 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	0.72 J	0.72 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.3 J	1.3 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.53 J	0.53 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.69 J	0.69 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.94 J	0.94 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.11J	11215702-082021-BN-SJSB098(4-6)	8.6 J	8.6 U	pg/g
				11215702-082021-BN-SJSB098(6-8)	1.5 J	1.5 U	pg/g
				11215702-082121-BN-SJSB103(4-6)	0.39 J	0.39 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	0.88 J	0.88 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	0.85 J	0.85 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.57 J	0.57 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.32 J	0.32 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.44 J	0.44 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/03/2021	0.16J	11215702-082121-BN-SJSB103(4-6)	1.3 J	1.3 U	pg/g
				11215702-082121-BN-SJSB103(6-8)	2.1 J	2.1 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.6 J	1.6 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	0.58 J	0.58 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	0.68 J	0.68 U	pg/g

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Dioxins/Furans	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	09/03/2021	0.047J	11215702-082121-BN-SJSB103(6-8)	2.4 J	2.4 U	pg/g
				11215702-082121-BN-SJSB103(8-10)	1.2 J	1.2 U	pg/g
				11215702-082221-BN-SJSB097(4-6)	1.1 J	1.1 U	pg/g
				11215702-082221-BN-SJSB097(6-8)	0.95 J	0.95 U	pg/g
				11215702-082221-BN-SJSB097(8-10)	2.1 J	2.1 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/15/2021	0.094J	11215702-082121-BN-SJSB103(0-2)	1.6 J	1.6 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	0.71 J	0.71 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	09/15/2021	0.56J	11215702-082121-BN-SJSB103(0-2)	35 J	35 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	35 J	35 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/15/2021	0.034J	11215702-082121-BN-SJSB103(0-2)	0.67 J	0.67 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	1.3 J	1.3 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	09/15/2021	0.16J	11215702-082121-BN-SJSB103(0-2)	2.6 J	2.6 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/15/2021	0.045J	11215702-082021-BN-SJSB098(0-2)	1.3 J	1.3 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	0.39 J	0.39 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	0.84 J	0.84 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/15/2021	0.048J	11215702-082121-BN-SJSB103(0-2)	0.29 J	0.29 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	0.81 J	0.81 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	2.3 J	2.3 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/15/2021	0.046J	11215702-082021-BN-SJSB098(0-2)	0.76 J	0.76 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	0.46 J	0.46 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	1.7 J	1.7 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	0.52 J	0.52 U	pg/g

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Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/15/2021	0.031J	11215702-082121-BN-SJSB103(0-2)	0.38 J	0.38 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	0.83 J	0.83 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	1.0 J	1.0 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	0.24 J	0.24 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/15/2021	0.0072J	11215702-082121-BN-SJSB103(0-2)	0.27 J	0.27 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/15/2021	0.027J	11215702-082021-BN-SJSB098(0-2)	1.5 J	1.5 U	pg/g
				11215702-082121-BN-SJSB103(0-2)	0.47 J	0.47 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	0.79 J	0.79 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	0.21 J	0.21 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/15/2021	0.043J	11215702-082021-BN-SJSB098(0-2)	2.7 J	2.7 U	pg/g
				11215702-082121-BN-SJSB103(0-2)	0.55 J	0.55 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	2.7 J	2.7 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	1.2 J	1.2 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/15/2021	0.059J	11215702-082021-BN-SJSB098(0-2)	1.1 J	1.1 U	pg/g
				11215702-082121-BN-SJSB103(0-2)	0.48 J	0.48 U	pg/g
				11215702-082121-BN-SJSB103(2-4)	0.41 J	0.41 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	0.86 J	0.86 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	0.20 J	0.20 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/15/2021	0.061J	11215702-082121-BN-SJSB103(2-4)	0.53 J	0.53 U	pg/g
				11215702-082221-BN-SJSB097(0-2)	1.6 J	1.6 U	pg/g
				11215702-082221-BN-SJSB097(2-4)	0.52 J	0.52 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.043J	11215702-082221-BN-DUP-20	0.86 J	0.86 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.10J	11215702-082221-BN-DUP-20	0.84 J	0.84 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/09/2021	0.11J	11215702-082221-BN-DUP-20	0.52 J	0.52 U	pg/g

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Dioxins/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/09/2021	0.049J	11215702-082221-BN-DUP-20	0.63 J	0.63 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/26/2021	0.089J	11215702-082321-BN-SJSB100(10-12)	0.16 J	0.16 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.092 J	0.092 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.16 J	0.16 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/26/2021	0.064J	11215702-082321-BN-SJSB100(10-12)	0.22 J	0.22 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.14 J	0.14 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.24 J	0.24 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/26/2021	0.047J	11215702-082321-BN-SJSB100(10-12)	0.12 J	0.12 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.052 J	0.052 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.073 J	0.073 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.063J	11215702-082321-BN-SJSB100(10-12)	0.26 J	0.26 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.14 J	0.14 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.29 J	0.29 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.041J	11215702-082321-BN-SJSB100(12-14)	0.22 J	0.22 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.17 J	0.17 U	pg/g

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Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.083J	11215702-082321-BN-SJSB100(10-12)	0.13 J	0.13 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.11 J	0.11 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.098 J	0.098 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/26/2021	0.050J	11215702-082321-BN-SJSB100(12-14)	0.21 J	0.21 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.21 J	0.21 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.074J	11215702-082321-BN-SJSB100(10-12)	0.31 J	0.31 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.22 J	0.22 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.28 J	0.28 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.085J	11215702-082321-BN-SJSB100(10-12)	0.14 J	0.14 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.18 J	0.18 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.082 J	0.085 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.096J	11215702-082321-BN-SJSB100(10-12)	0.26 J	0.26 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.25 J	0.25 U	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	08/26/2021	0.10J	11215702-082321-BN-SJSB100(10-12)	0.33 J	0.33 U	pg/g
				11215702-082321-BN-SJSB100(12-14)	0.28 J	0.28 U	pg/g
				11215702-082321-BN-SJSB100(14-16)	0.54 J	0.54 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/03/2021	0.097J	11215702-082321-BN-SJSB100(4-6)	4.2 J	4.2 U	pg/g
				11215702-082321-BN-SJSB100(6-8)	0.82 J	0.82 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	2.2 J	2.2 U	pg/g
				11215702-082421-BN-SJSB093(4-6)	7.9 J	7.9 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.052J	11215702-082321-BN-SJSB100(4-6)	1.3 J	1.3 U	pg/g
				11215702-082321-BN-SJSB100(6-8)	1.6 J	1.6 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.61 J	0.61 U	pg/g
				11215702-082421-BN-SJSB093(6-8)	0.62 J	0.62 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.040J	11215702-082321-BN-SJSB100(4-6)	0.63 J	0.63 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.61 J	0.61 U	pg/g
				11215702-082421-BN-SJSB093(6-8)	0.36 J	0.36 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.064J	11215702-082321-BN-SJSB100(4-6)	1.7 J	1.7 U	pg/g
				11215702-082321-BN-SJSB100(6-8)	1.7 J	1.7 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	1.4 J	1.4 U	pg/g
				11215702-082421-BN-SJSB093(6-8)	0.53 J	0.53 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/03/2021	0.094J	11215702-082321-BN-SJSB100(4-6)	0.84 J	0.84 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.48 J	0.48 U	pg/g
				11215702-082421-BN-SJSB093(4-6)	2.1 J	2.1 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.078J	11215702-082321-BN-SJSB100(4-6)	0.41 J	0.41 U	pg/g
				11215702-082321-BN-SJSB100(6-8)	1.3 J	1.3 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.48 J	0.48 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.097J	11215702-082321-BN-SJSB100(4-6)	1.2 J	1.2 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.43 J	0.43 U	pg/g
				11215702-082421-BN-SJSB093(4-6)	4.6 J	4.6 U	pg/g
				11215702-082421-BN-SJSB093(6-8)	0.75 J	0.75 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.11J	11215702-082321-BN-SJSB100(4-6)	0.45 J	0.45 U	pg/g
				11215702-082321-BN-SJSB100(6-8)	0.65 J	0.65 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.64 J	0.64 U	pg/g
				11215702-082421-BN-SJSB093(4-6)	4.0 J	4.0 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/03/2021	0.16J	11215702-082321-BN-SJSB100(4-6)	1.2 J	1.2 U	pg/g
				11215702-082321-BN-SJSB100(8-10)	0.90 J	0.90 U	pg/g
				11215702-082421-BN-SJSB093(6-8)	0.30 J	0.30 U	pg/g

Table 4

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/30/2021	0.12J	11215702-082421-BN-SJSB093(12-14)	4.7 J	4.7 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	1.1 J	1.1 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	1.2 J	1.2 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/30/2021	0.091J	11215702-082421-BN-SJSB093(14-16)	0.72 J	0.72 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.60 J	0.60 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	08/30/2021	0.090J	11215702-082421-BN-SJSB093(12-14)	3.9 J	3.9 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	0.48 J	0.48 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.41 J	0.41 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/30/2021	0.052J	11215702-082421-BN-SJSB093(14-16)	1.2 J	1.2 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.81 J	0.81 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/30/2021	0.069J	11215702-082421-BN-SJSB093(10-12)	1.3 J	1.3 U	pg/g
				11215702-082421-BN-SJSB093(12-14)	1.1 J	1.1 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	1.2 J	1.2 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.70 J	0.70 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/30/2021	0.059J	11215702-082421-BN-SJSB093(14-16)	0.50 J	0.50 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.78 J	0.78 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	08/30/2021	0.059J	11215702-082421-BN-SJSB093(10-12)	2.4 J	2.4 U	pg/g
				11215702-082421-BN-SJSB093(12-14)	0.69 J	0.69 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	1.4 J	1.4 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	1.0 J	1.0 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	08/30/2021	0.12J	11215702-082421-BN-SJSB093(12-14)	1.2 J	1.2 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	0.55 J	0.55 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.87 J	0.87 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	08/30/2021	0.080J	11215702-082421-BN-SJSB093(10-12)	2.3 J	2.3 U	pg/g
				11215702-082421-BN-SJSB093(12-14)	1.2 J	1.2 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	1.6 J	1.6 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	1.5 J	1.5 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/30/2021	0.11J	11215702-082421-BN-SJSB093(14-16)	1.5 J	1.5 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	1.4 J	1.4 U	pg/g
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	08/30/2021	0.093J	11215702-082421-BN-SJSB093(12-14)	4.4 J	4.4 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	2.8 J	2.8 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.96 J	0.96 U	pg/g

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Dioxins/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/30/2021	0.065J	11215702-082421-BN-SJSB093(12-14)	2.2 J	2.2 U	pg/g
				11215702-082421-BN-SJSB093(14-16)	0.49 J	0.49 U	pg/g
				11215702-082421-BN-SJSB093(16-18)	0.61 J	0.61 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	08/30/2021	0.067J	11215702-082421-BN-SJSB093(14-16)	1.4 J	1.4 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/22/2021	0.32J	11215702-072421-SS-SJSB099 (10-12)-R	4.3 J	4.3 U	pg/g
				11215702-072521-SS-SJSB101 (10-12)-R	3.5 J	3.5 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.23J	11215702-072421-SS-SJSB099 (10-12)-R	0.73 J	0.73 U	pg/g
				11215702-072521-SS-SJSB101 (10-12)-R	0.33 J	0.33 U	pg/g
				11215702-072621-BN-SJSB094 (6-8)-R	3.5 J	3.5 U	pg/g
				11215702-080521-BN-SJSB081 (8-10)-R	3.9 J	3.9 U	pg/g
				11215702-080621-BN-SJSB088 (6-8)-R	9.2 J	9.2 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.25J	11215702-072421-SS-SJSB099 (10-12)-R	1.7 J	1.7 U	pg/g
				11215702-072521-SS-SJSB101 (10-12)-R	0.45 J	0.45 U	pg/g
				11215702-072621-BN-SJSB094 (6-8)-R	4.1 J	4.1 U	pg/g
				11215702-080521-BN-SJSB081 (8-10)-R	4.8 J	4.8 U	pg/g
				11215702-080621-BN-SJSB088 (6-8)-R	15 J	15 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/22/2021	0.36J	11215702-072021-SS-SJSB072 (20-22)-R	2.6 J	2.6 U	pg/g
				11215702-072121-SS-SJSB078 (6-8)-R	2.1 J	2.1 U	pg/g
				11215702-072121-SS-SJSB078 (8-10)-R	1.5 J	1.5 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	1.5 J	1.5 U	pg/g
				11215702-072121-SS-SJSB078 (16-18)-R	3.7 J	3.7 U	pg/g
				11215702-072221-SS-SJSB076 (10-12)-R	1.7 J	1.7 U	pg/g
				11215702-072721-BN-SJSB096 (10-12)-R	0.66 J	0.66 U	pg/g
				11215702-072821-BN-SJSB095 (10-12)-R	0.92 J	0.92 U	pg/g
				11215702-072821-BN-SJSB095 (14-16)-R	1.1 J	1.1 U	pg/g
				11215702-081021-BN-SJSB087 (12-14)-R	2.6 J	2.6 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/22/2021	0.45J	11215702-072121-SS-SJSB078 (8-10)-R	2.2 J	2.2 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	2.0 J	2.0 U	pg/g
				11215702-072721-BN-SJSB096 (10-12)-R	1.2 J	1.2 U	pg/g
				11215702-072821-BN-SJSB095 (10-12)-R	0.52 J	0.52 U	pg/g
				11215702-072821-BN-SJSB095 (14-16)-R	1.6 J	1.6 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/22/2021	0.26J	11215702-072021-SS-SJSB072 (20-22)-R	1.3 J	1.3 U	pg/g
				11215702-072121-SS-SJSB078 (6-8)-R	0.85 J	0.85 U	pg/g
				11215702-072121-SS-SJSB078 (8-10)-R	0.65 J	0.65 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	0.73 J	0.73 U	pg/g
				11215702-072121-SS-SJSB078 (16-18)-R	1.2 J	1.2 U	pg/g
				11215702-072221-SS-SJSB076 (10-12)-R	0.96 J	0.96 U	pg/g
				11215702-072721-BN-SJSB096 (10-12)-R	0.45 J	0.45 U	pg/g
				11215702-072821-BN-SJSB095 (10-12)-R	0.18 J	0.26 U	pg/g
				11215702-072821-BN-SJSB095 (14-16)-R	0.51 J	0.51 U	pg/g
				11215702-081021-BN-SJSB087 (12-14)-R	0.94 J	0.94 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.15J	11215702-072021-SS-SJSB072 (20-22)-R	0.25 J	0.25 U	pg/g
				11215702-072121-SS-SJSB078 (6-8)-R	0.35 J	0.35 U	pg/g
				11215702-072121-SS-SJSB078 (8-10)-R	0.22 J	0.22 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	0.28 J	0.28 U	pg/g
				11215702-072121-SS-SJSB078 (16-18)-R	0.25 J	0.25 U	pg/g
				11215702-072221-SS-SJSB076 (10-12)-R	0.24 J	0.24 U	pg/g
				11215702-072721-BN-SJSB096 (10-12)-R	0.68 J	0.68 U	pg/g
				11215702-072621-BN-DUP-8-R	0.65 J	0.65 U	pg/g
				11215702-072821-BN-SJSB095 (8-10)-R	0.36 J	0.36 U	pg/g
				11215702-072821-BN-SJSB095 (10-12)-R	0.34 J	0.34 U	pg/g
				11215702-072821-BN-SJSB095 (14-16)-R	0.39 J	0.39 U	pg/g
				11215702-080221-BN-SJSB090 (8-10)-R	0.40 J	0.40 U	pg/g
				11215702-081021-BN-SJSB087 (12-14)-R	0.28 J	0.28 U	pg/g
				11215702-081021-BN-SJSB087 (14-16)-R	0.86 J	0.86 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.054J	11215702-072021-SS-SJSB072 (20-22)-R	0.26 J	0.26 U	pg/g
				11215702-072121-SS-SJSB078 (6-8)-R	0.29 J	0.29 U	pg/g
				11215702-072121-SS-SJSB078 (8-10)-R	0.26 J	0.26 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	0.29 J	0.29 U	pg/g
				11215702-072121-SS-SJSB078 (16-18)-R	0.30 J	0.30 U	pg/g
				11215702-072221-SS-SJSB076 (10-12)-R	0.24 J	0.24 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/22/2021	0.051J	11215702-072021-SS-SJSB072 (20-22)-R	0.25 J	0.25 U	pg/g
				11215702-072121-SS-SJSB078 (6-8)-R	0.27 J	0.27 U	pg/g
				11215702-072121-SS-SJSB078 (8-10)-R	0.13 J	0.13 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	0.19 J	0.19 U	pg/g
				11215702-072121-SS-SJSB078 (16-18)-R	0.20 J	0.20 U	pg/g
				11215702-072221-SS-SJSB076 (10-12)-R	0.26 J	0.26 U	pg/g
				11215702-072721-BN-SJSB096 (10-12)-R	0.17 J	0.17 U	pg/g
				11215702-072821-BN-SJSB095 (10-12)-R	0.15 J	0.15 U	pg/g
				11215702-072821-BN-SJSB095 (14-16)-R	0.15 J	0.15 U	pg/g
				11215702-081021-BN-SJSB087 (12-14)-R	0.20 J	0.20 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.14J	11215702-072021-SS-SJSB072 (20-22)-R	0.32 J	0.32 U	pg/g
				11215702-072121-SS-SJSB078 (6-8)-R	0.45 J	0.45 U	pg/g
				11215702-072121-SS-SJSB078 (8-10)-R	0.26 J	0.26 U	pg/g
				11215702-072121-SS-SJSB078 (10-12)-R	0.37 J	0.37 U	pg/g
				11215702-072121-SS-SJSB078 (16-18)-R	0.39 J	0.39 U	pg/g
				11215702-072221-SS-SJSB076 (10-12)-R	0.35 J	0.35 U	pg/g
				11215702-081021-BN-SJSB087 (12-14)-R	0.70 J	0.70 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/22/2021	0.28J	11215702-072121-SS-SJSB077 (10-12)-R	2.0 J	2.0 U	pg/g
				11215702-072121-SS-SJSB077 (12-14)-R	0.87 J	0.87 U	pg/g
				11215702-072321-BN-SJSB105 (14-16)-R	0.87 J	0.87 U	pg/g
				11215702-072321-BN-SJSB085 (6-8)-R	0.31 J	0.31 U	pg/g
				11215702-080521-BN-SJSB081 (10-12)-R	2.3 J	2.3 U	pg/g
				11215702-080721-BN-SJSB089 (8-10)-R	0.92 J	0.92 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.45 J	0.45 U	pg/g
				11215702-080721-BN-DUP-19-R	0.38 J	0.38 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	5.6 J	5.6 U	pg/g
				11215702-080921-BN-SJSB082 (8-10)-R	2.2 J	2.2 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/22/2021	0.49J	11215702-072121-SS-SJSB077 (12-14)-R	1.0 J	1.0 U	pg/g
				11215702-072321-BN-SJSB105 (14-16)-R	1.1 J	1.1 U	pg/g
				11215702-072321-BN-SJSB085 (6-8)-R	0.16 J	0.49 U	pg/g
				11215702-080721-BN-SJSB089 (8-10)-R	1.4 J	1.4 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.56 J	0.56 U	pg/g
				11215702-080721-BN-DUP-19-R	0.16 J	0.49 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	1.2 J	1.2 U	pg/g
				11215702-080921-BN-SJSB082 (8-10)-R	0.93 J	0.93 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/22/2021	0.32J	11215702-072121-SS-SJSB078 (20-22)-R	2.2 J	2.2 U	pg/g
				11215702-072121-SS-SJSB077 (10-12)-R	1.3 J	1.3 U	pg/g
				11215702-072121-SS-SJSB077 (12-14)-R	0.41 J	0.41 U	pg/g
				11215702-072321-BN-SJSB105 (14-16)-R	0.41 J	0.41 U	pg/g
				11215702-080521-BN-SJSB081 (10-12)-R	1.9 J	1.9 U	pg/g
				11215702-080721-BN-SJSB089 (8-10)-R	0.54 J	0.54 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.26 J	0.36 U	pg/g
				11215702-080721-BN-DUP-19-R	0.14 J	0.36 U	pg/g
				11215702-080921-BN-SJSB082 (8-10)-R	0.30 J	0.36 U	pg/g

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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/22/2021	0.059J	11215702-072321-BN-SJSB085 (6-8)-R	0.37 J	0.37 U	pg/g
				11215702-080721-BN-DUP-19-R	0.20 J	0.20 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	0.67 J	0.67 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.19J	11215702-072121-SS-SJSB078 (20-22)-R	0.32 J	0.32 U	pg/g
				11215702-072121-SS-SJSB077 (10-12)-R	0.31 J	0.31 U	pg/g
				11215702-072121-SS-SJSB077 (12-14)-R	0.26 J	0.26 U	pg/g
				11215702-072121-SS-SJSB077 (14-16)-R	0.41 J	0.41 U	pg/g
				11215702-072321-BN-SJSB105 (12-14)-R	0.77 J	0.77 U	pg/g
				11215702-072321-BN-SJSB105 (14-16)-R	1.1 J	1.1 U	pg/g
				11215702-072321-BN-SJSB085 (6-8)-R	0.47 J	0.47 U	pg/g
				11215702-080521-BN-SJSB081 (10-12)-R	0.35 J	0.35 U	pg/g
				11215702-080721-BN-SJSB089 (8-10)-R	0.45 J	0.45 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.28 J	0.28 U	pg/g
				11215702-080721-BN-DUP-19-R	0.93 J	0.93 U	pg/g
				11215702-080621-BN-SJSB088 (16-18)-R	0.39 J	0.39 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	1.5 J	1.5 U	pg/g
				11215702-080921-BN-SJSB082 (8-10)-R	0.50 J	0.50 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/22/2021	0.040J	11215702-072321-BN-SJSB085 (6-8)-R	0.14 J	0.14 U	pg/g
				11215702-080721-BN-DUP-19-R	0.13 J	0.13 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	0.27 J	0.27 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.042J	11215702-072121-SS-SJSB077 (10-12)-R	0.20 J	0.20 U	pg/g
				11215702-072121-SS-SJSB077 (12-14)-R	0.15 J	0.15 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.24 J	0.24 U	pg/g

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/22/2021	0.067J	11215702-072121-SS-SJSB077 (10-12)-R	0.31 J	0.31 U	pg/g
				11215702-072121-SS-SJSB077 (12-14)-R	0.14 J	0.14 U	pg/g
				11215702-072321-BN-SJSB105 (14-16)-R	0.22 J	0.22 U	pg/g
				11215702-072321-BN-SJSB085 (6-8)-R	0.10 J	0.10 U	pg/g
				11215702-080521-BN-SJSB081 (10-12)-R	0.41 J	0.41 U	pg/g
				11215702-080721-BN-SJSB089 (8-10)-R	0.16 J	0.16 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.11 J	0.11 U	pg/g
				11215702-080721-BN-DUP-19-R	0.16 J	0.16 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	0.12 J	0.12 U	pg/g
				11215702-080921-BN-SJSB082 (8-10)-R	0.14 J	0.14 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/22/2021	0.21J	11215702-072121-SS-SJSB078 (20-22)-R	0.39 J	0.39 U	pg/g
				11215702-072121-SS-SJSB077 (10-12)-R	0.27 J	0.27 U	pg/g
				11215702-072121-SS-SJSB077 (12-14)-R	0.20 J	0.21 U	pg/g
				11215702-072121-SS-SJSB077 (14-16)-R	0.39 J	0.39 U	pg/g
				11215702-072321-BN-SJSB085 (6-8)-R	1.4 J	1.4 U	pg/g
				11215702-080521-BN-SJSB081 (10-12)-R	0.76 J	0.76 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.53 J	0.53 U	pg/g
				11215702-080621-BN-SJSB088 (16-18)-R	0.82 J	0.82 U	pg/g

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
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Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	09/22/2021	0.042J	11215702-072121-SS-SJSB077 (12-14)-R	0.18 J	0.18 U	pg/g
				11215702-072321-BN-SJSB105 (14-16)-R	0.16 J	0.16 U	pg/g
				11215702-080721-BN-SJSB089 (8-10)-R	0.18 J	0.18 U	pg/g
				11215702-080721-BN-SJSB089 (10-12)-R	0.11 J	0.11 U	pg/g
				11215702-080721-BN-DUP-19-R	0.060 J	0.060 U	pg/g
				11215702-080821-BN-SJSB106 (0-2)-R	0.15 J	0.15 U	pg/g
				11215702-080921-BN-SJSB082 (8-10)-R	0.10 J	0.10 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	09/24/2021	0.23J	11215702-072721-BN-SJSB096 (8-10)-R	1.1 J	1.1 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	09/24/2021	0.23J	11215702-072721-BN-SJSB096 (8-10)-R	1.3 J	1.3 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	10/06/2021	0.070J	11215702-081921-BN-SJSB102 (16-18)-R	0.70	0.70 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	10/06/2021	0.063J	11215702-081921-BN-SJSB102 (12-14)-R	0.37	0.37 U	pg/g
				11215702-081921-BN-SJSB102 (16-18)-R	0.64	0.64 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	10/06/2021	0.033J	11215702-081921-BN-SJSB102 (16-18)-R	0.76	0.76 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	10/06/2021	0.10J	11215702-081921-BN-SJSB102 (16-18)-R	0.22	0.22 U	pg/g

Table 4

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	Extraction Date (mm/dd/yyyy)	Blank Result *	Sample ID	Original Result	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	08/26/2021	0.25J	11215702-081921-BN-SJSB102(10-12)	0.26 J	0.26 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	08/26/2021	0.064J	11215702-081921-BN-SJSB102(10-12)	0.13 J	0.13 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.063J	11215702-081921-BN-SJSB102(10-12)	0.24 J	0.24 U	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.041J	11215702-081921-BN-SJSB102(10-12)	0.21 J	0.21 U	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	08/26/2021	0.074J	11215702-081921-BN-SJSB102(10-12)	0.35 J	0.35 U	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	08/26/2021	0.085J	11215702-081921-BN-SJSB102(10-12)	0.22 J	0.22 U	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	09/03/2021	0.097J	11215702-081921-BN-SJSB102(8-10)	1.1 J	1.1 U	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.052J	11215702-081921-BN-SJSB102(8-10)	0.34 J	0.34 U	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	09/03/2021	0.040J	11215702-081921-BN-SJSB102(8-10)	0.22 J	0.22 U	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.064J	11215702-081921-BN-SJSB102(8-10)	2.0 J	2.0 U	pg/g
	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	09/03/2021	0.10J	11215702-081921-BN-SJSB102(8-10)	0.35 J	0.35 U	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	09/03/2021	0.16J	11215702-081921-BN-SJSB102(8-10)	1.9 J	1.9 U	pg/g

Notes:

* - Blank result adjusted for sample factors where applicable
U - Not detected at the associated reporting limit
J - Estimated concentration

Table 5

Qualified Sample Data Due to Outlying Surrogate Ion Abundance Ratios
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Surrogate	Surrogate IAR	Control Limits IAR	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072521-BN-SJSB092(2-4)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF) C13	2.02	1.32 - 1.78	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1400 J	pg/g
	11215702-072321-BN-SJSB105(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) 13C	0.93	0.65 - 0.89	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	33000 J	pg/g
	11215702-072521-SS-SJSB101(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) C13	2.02	1.32 - 1.78	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	400 J	pg/g
	11215702-072521-DUP-7	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) C13	1.23	1.32 - 1.78	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	320 J	pg/g
	11215702-072621-BN-SJSB094(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) 13C	0.93	0.65 - 0.89	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	24000 J	pg/g
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) C13	0.74	0.76 - 1.02	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	720 J	pg/g
					1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	460 J	pg/g
	11215702-072621-BN-SJSB094(6-8)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF) C13	0.63	0.43 - 0.59	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	1300 J	pg/g
		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) C13	1.06	0.76 - 1.02	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	680 J	pg/g
					1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	180 J	pg/g
	11215702-072621-BN-SJSB094(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD) C13	1.48	1.05 - 1.43	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.5 UJ	pg/g
					1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	7.0 J	pg/g
	11215702-072621-BN-SJSB094(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) C13	1.27	0.88 - 1.20	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	70 J	pg/g
	11215702-072121-DUP-2	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD) C13	1.27	1.32 - 1.78	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.41 UJ	pg/g
	11215702-072821-BN-SJSB095(0-2)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD) C13	1.23	0.88 - 1.20	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	88 J	pg/g
	11215702-082021-BN-SJSB098(10-12)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) 13C	0.93	0.65 - 0.89	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	2700 J	pg/g
	11215702-082021-BN-SJSB098(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) 13C	0.64	0.65 - 0.89	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	7100 J	pg/g

Notes:

IAR - Ion Abundance Ratio
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated.

Table 6

Qualified Sample Results Due to Outlying MS/MSD Results
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
Dioxins/Furans	11215702-072021-SS-SJSB073(8-10)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	130	136	2	82-122	50	2800 J+	pg/g
	11215702-072421-SS-SJSB099(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	204	270	10	63-170	50	1300 J+	pg/g
	11215702-072221-SS-SJSB076(0-2)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	116	564	119	70-140	50	51 J	pg/g
	11215702-080221-BN-SJSB090(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	62	58	5	63-170	50	170 J-	pg/g
		1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0	0	10	82-122	50	390 J-	pg/g
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	34	28	6	78-138	50	130 J-	pg/g
		1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0	0	6	84-130	50	240 J-	pg/g
		1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	5	0	7	80-134	50	410 J-	pg/g
		2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	52	24	13	68-160	50	230 J-	pg/g
	11215702-080521-BN-SJSB081(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	207	203	2	63-170	50	730 J+	pg/g
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	153	197	11	78-138	50	530 J+	pg/g
	11215702-080621-BN-SJSB088(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	47	7	10	78-144	50	1400 J-	pg/g
		1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	181	182	1	78-138	50	300 J+	pg/g
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	149	179	8	70-142	50	300 J+	pg/g
	11215702-080821-BN-SJSB106(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	219	48	42	78-144	50	950 J	pg/g
	11215702-080921-BN-SJSB082(2-4)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	234	98	61	72-134	50	69 J	pg/g
	11215702-081021-BN-SJSB087 (2-4)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	144	186	13	78-138	50	270 J+	pg/g

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J - Estimated concentration
J- - Estimated concentration, result may be biased low
J+ - Estimated concentration, result may be biased high

Table 7

Qualified Sample Data Due to Outlying Laboratory Duplicate Results
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	RPD (percent)	Sample ID	Qualified Result	Associated Sample IDs	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	56.4	11215702-080521-BN-SJSB081(8-10)	1000 J	11215702-080521-BN-SJSB081 (8-10)-R	560 J	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	54.0	11215702-080521-BN-SJSB081(8-10)	400 J	11215702-080521-BN-SJSB081 (8-10)-R	230 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	59.3	11215702-080521-BN-SJSB081(8-10)	3500 J	11215702-080521-BN-SJSB081 (8-10)-R	1900 J	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	78.8	11215702-080521-BN-SJSB081(8-10)	920 J	11215702-080521-BN-SJSB081 (8-10)-R	400 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	96.8	11215702-080521-BN-SJSB081(8-10)	2300 J	11215702-080521-BN-SJSB081 (8-10)-R	800 J	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	75.9	11215702-080521-BN-SJSB081(8-10)	1000 J	11215702-080521-BN-SJSB081 (8-10)-R	450 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	64.7	11215702-080521-BN-SJSB081(8-10)	45000 J	11215702-080521-BN-SJSB081 (8-10)-R	23000 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	51.2	11215702-080521-BN-SJSB081(8-10)	13000 J	11215702-080521-BN-SJSB081 (8-10)-R	7700 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	74.9	11215702-072121-SS-SJSB078(6-8)	91 J	11215702-072121-SS-SJSB078 (6-8)-R	200 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	126	11215702-072121-SS-SJSB078(6-8)	66 J	11215702-072121-SS-SJSB078 (6-8)-R	290 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	126	11215702-072121-SS-SJSB078(6-8)	25 J	11215702-072121-SS-SJSB078 (6-8)-R	110 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	81.1	11215702-072821-BN-SJSB095(8-10)	1300 J	11215702-072821-BN-SJSB095 (8-10)-R	550 J	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	71.4	11215702-072821-BN-SJSB095(8-10)	38 J	11215702-072821-BN-SJSB095 (8-10)-R	18 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	85.7	11215702-072821-BN-SJSB095(10-12)	200 J	11215702-072821-BN-SJSB095 (10-12)-R	500 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	139	11215702-072821-BN-SJSB095(10-12)	150 J	11215702-072821-BN-SJSB095 (10-12)-R	27 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	140	11215702-072821-BN-SJSB095(10-12)	40 J	11215702-072821-BN-SJSB095 (10-12)-R	7.0 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	80.7	11215702-072821-BN-SJSB095(14-16)	170 J	11215702-072821-BN-SJSB095 (14-16)-R	400 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	63.7	11215702-080221-BN-SJSB090(8-10)	620 J	11215702-080221-BN-SJSB090 (8-10)-R	1200 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	75.4	11215702-080221-BN-SJSB090(8-10)	190 J	11215702-080221-BN-SJSB090 (8-10)-R	420 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	60.2	11215702-072521-SS-SJSB101(10-12)	540 J	11215702-072521-SS-SJSB101 (10-12)-R	290 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	59.5	11215702-072521-SS-SJSB101(10-12)	170 J	11215702-072521-SS-SJSB101 (10-12)-R	92 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	102	11215702-072321-BN-SJSB085(6-8)	2500 J	11215702-072321-BN-SJSB085 (6-8)-R	810 J	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	82.4	11215702-072321-BN-SJSB085(6-8)	72 J	11215702-072321-BN-SJSB085 (6-8)-R	30 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	140	11215702-072321-BN-SJSB085(6-8)	97 J	11215702-072321-BN-SJSB085 (6-8)-R	17 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	148	11215702-072321-BN-SJSB085(6-8)	31 J	11215702-072321-BN-SJSB085 (6-8)-R	4.6 J	pg/g

Table 7

Qualified Sample Data Due to Outlying Laboratory Duplicate Results
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	RPD (percent)	Sample ID	Qualified Result	Associated Sample IDs	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	113	11215702-072321-BN-SJSB105(12-14)	7.0 J	11215702-072321-BN-SJSB105 (12-14)-R	25 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	121	11215702-072321-BN-SJSB105(12-14)	24 J	11215702-072321-BN-SJSB105 (12-14)-R	98 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	116	11215702-072321-BN-SJSB105(12-14)	18 J	11215702-072321-BN-SJSB105 (12-14)-R	68 J	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	127	11215702-072321-BN-SJSB105(12-14)	13 J	11215702-072321-BN-SJSB105 (12-14)-R	58 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	122	11215702-072321-BN-SJSB105(12-14)	900 J	11215702-072321-BN-SJSB105 (12-14)-R	3700 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	118	11215702-072321-BN-SJSB105(12-14)	250 J	11215702-072321-BN-SJSB105 (12-14)-R	970 J	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	80.7	11215702-072721-BN-SJSB096(8-10)	68 J	11215702-072721-BN-SJSB096 (8-10)-R	160 J	pg/g
	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	92.7	11215702-072721-BN-SJSB096(8-10)	22 J	11215702-072721-BN-SJSB096 (8-10)-R	60 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	104	11215702-072721-BN-SJSB096(8-10)	200 J	11215702-072721-BN-SJSB096 (8-10)-R	630 J	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	93.2	11215702-072721-BN-SJSB096(8-10)	51 J	11215702-072721-BN-SJSB096 (8-10)-R	140 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	92.9	11215702-072721-BN-SJSB096(8-10)	150 J	11215702-072721-BN-SJSB096 (8-10)-R	410 J	pg/g
	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	88.4	11215702-072721-BN-SJSB096(8-10)	24 J	11215702-072721-BN-SJSB096 (8-10)-R	62 J	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	104	11215702-072721-BN-SJSB096(8-10)	120 J	11215702-072721-BN-SJSB096 (8-10)-R	380 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	103	11215702-072721-BN-SJSB096(8-10)	8000 J	11215702-072721-BN-SJSB096 (8-10)-R	25000 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	100	11215702-072721-BN-SJSB096(8-10)	1900 J	11215702-072721-BN-SJSB096 (8-10)-R	5700 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	55.3	11215702-072621-BN-SJSB094(6-8)	680 J	11215702-072621-BN-SJSB094 (6-8)-R	1200 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	60.0	11215702-080721-BN-SJSB089(10-12)	390 J	11215702-080721-BN-SJSB089 (10-12)-R	210 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	59.3	11215702-080721-BN-SJSB089(10-12)	70 J	11215702-080721-BN-SJSB089 (10-12)-R	38 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	56.4	11215702-080721-BN-SJSB089(10-12)	25 J	11215702-080721-BN-SJSB089 (10-12)-R	14 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	52.0	11215702-080721-BN-DUP-19	1600 J	11215702-080721-BN-DUP-19-R	940 J	pg/g
	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	60.5	11215702-080621-BN-SJSB088(16-18)	150 J	11215702-080621-BN-SJSB088 (16-18)-R	280 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	121	11215702-080621-BN-SJSB088(16-18)	64 J	11215702-080621-BN-SJSB088 (16-18)-R	260 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	106	11215702-080621-BN-SJSB088(16-18)	40 J	11215702-080621-BN-SJSB088 (16-18)-R	130 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	118	11215702-080621-BN-SJSB088(16-18)	930 J	11215702-080621-BN-SJSB088 (16-18)-R	3600 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	109	11215702-080621-BN-SJSB088(16-18)	410 J	11215702-080621-BN-SJSB088 (16-18)-R	1400 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	105	11215702-080821-BN-SJSB106(0-2)	71 J	11215702-080821-BN-SJSB106 (0-2)-R	22 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	121	11215702-080821-BN-SJSB106(0-2)	27 J	11215702-080821-BN-SJSB106 (0-2)-R	6.6 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	97.7	11215702-080921-BN-SJSB082(8-10)	320 J	11215702-080921-BN-SJSB082 (8-10)-R	110 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	97.3	11215702-080921-BN-SJSB082(8-10)	84 J	11215702-080921-BN-SJSB082 (8-10)-R	29 J	pg/g

Table 7

Qualified Sample Data Due to Outlying Laboratory Duplicate Results
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	RPD (percent)	Sample ID	Qualified Result	Associated Sample IDs	Qualified Result	Units
Dioxins/Furans	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	88.9	11215702-081021-BN-SJSB087(14-16)	20 J	11215702-081021-BN-SJSB087 (14-16)-R	52 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	83.5	11215702-081021-BN-SJSB087(14-16)	74 J	11215702-081021-BN-SJSB087 (14-16)-R	180 J	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	92.5	11215702-081021-BN-SJSB087(14-16)	18 J	11215702-081021-BN-SJSB087 (14-16)-R	49 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	96.3	11215702-081021-BN-SJSB087(14-16)	42 J	11215702-081021-BN-SJSB087 (14-16)-R	120 J	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	88.0	11215702-081021-BN-SJSB087(14-16)	21 J	11215702-081021-BN-SJSB087 (14-16)-R	54 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	81.1	11215702-081021-BN-SJSB087(14-16)	1100 J	11215702-081021-BN-SJSB087 (14-16)-R	2600 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	92.7	11215702-081021-BN-SJSB087(14-16)	440 J	11215702-081021-BN-SJSB087 (14-16)-R	1200 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	173	11215702-081921-BN-SJSB102(12-14)	3.3 J	11215702-081921-BN-SJSB102 (12-14)-R	45 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	163	11215702-081921-BN-SJSB102(12-14)	2.9 J	11215702-081921-BN-SJSB102 (12-14)-R	28 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	69.8	11215702-081921-BN-SJSB102(16-18)	290 J	11215702-081921-BN-SJSB102 (16-18)-R	140 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	61.8	11215702-081921-BN-SJSB102(16-18)	72 J	11215702-081921-BN-SJSB102 (16-18)-R	38 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	78.0	11215702-080521-BN-SJSB081(10-12)	41 J	11215702-080521-BN-SJSB081 (10-12)-R	18 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	104	11215702-080521-BN-SJSB081(10-12)	38 J	11215702-080521-BN-SJSB081 (10-12)-R	12 J	pg/g

Notes:

RPD - Relative Percent Difference
J - Estimated concentration

Table 8

Qualified Sample Data Due to Variability in Field Duplicate Results
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Analyte	RPD	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
Dioxins/Furans	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	124	11215702-072221-SS-SJSB080(16-18)	27 J	11215702-072221-DUP-4	6.3 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	125	11215702-072221-SS-SJSB080(16-18)	9.1 J	11215702-072221-DUP-4	2.1 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	141	11215702-072521-SS-SJSB079(8-10)	4500 J	11215702-072521-DUP-7	26000 J	pg/g
	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	109	11215702-072521-SS-SJSB079(8-10)	230 J	11215702-072521-DUP-7	780 J	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	128	11215702-072521-SS-SJSB079(8-10)	2400 J	11215702-072521-DUP-7	11000 J	pg/g
	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	175	11215702-072621-BN-SJSB094(6-8)	290 J	11215702-072621-BN-DUP-8	19 J	pg/g
	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	182	11215702-072621-BN-SJSB094(6-8)	1300 J	11215702-072621-BN-DUP-8	62 J	pg/g
	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	182	11215702-072621-BN-SJSB094(6-8)	330 J	11215702-072621-BN-DUP-8	16 J	pg/g
	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	179	11215702-072621-BN-SJSB094(6-8)	920 J	11215702-072621-BN-DUP-8	51 J	pg/g
	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	175	11215702-072621-BN-SJSB094(6-8)	700 J	11215702-072621-BN-DUP-8	47 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	181	11215702-072621-BN-SJSB094(6-8)	47000 J	11215702-072621-BN-DUP-8	2300 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	178	11215702-072621-BN-SJSB094(6-8)	10000 J	11215702-072621-BN-DUP-8	570 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	200	11215702-072821-BN-SJSB095(6-8)	5.5 UJ	11215702-072821-BN-DUP-10	27 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	115	11215702-072821-BN-SJSB095(6-8)	1.7 J	11215702-072821-BN-DUP-10	6.3 J	pg/g
	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	148	11215702-081021-BN-SJSB087(6-8)	22 J	11215702-081021-BN-DUP-17	3.3 J	pg/g
	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	136	11215702-081021-BN-SJSB087(6-8)	6.8 J	11215702-081021-BN-DUP-17	1.3 J	pg/g

Notes:

RPD - Relative Percent Difference
J - Estimated concentration
UJ - Not detected; associated reporting limit is estimated

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072221-BN-SJSB083(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	5.5 J	pg/g
	11215702-072221-BN-SJSB083(0-2)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	49 J	pg/g
	11215702-072221-BN-SJSB083(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	87 J	pg/g
	11215702-072221-BN-SJSB083(4-6)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.44 J	pg/g
	11215702-072221-BN-SJSB083(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.93 J	pg/g
	11215702-072221-BN-SJSB083(4-6)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.9 J	pg/g
	11215702-072221-BN-SJSB083(4-6)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.36 J	pg/g
	11215702-072221-BN-SJSB083(4-6)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.62 J	pg/g
	11215702-072221-BN-SJSB083(4-6)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.34 J	pg/g
	11215702-072221-BN-SJSB083(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.4 J	pg/g
	11215702-072221-BN-SJSB083(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	5.7 J	pg/g
	11215702-072221-BN-SJSB083(10-12)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.1 J	pg/g
	11215702-072221-BN-SJSB083(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.2 J	pg/g
	11215702-072221-BN-SJSB083(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.54 J	pg/g
	11215702-072221-BN-SJSB083(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.42 J	pg/g
	11215702-072221-BN-SJSB083(14-16)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.27 J	pg/g
	11215702-072221-BN-SJSB083(14-16)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	2.4 J	pg/g
	11215702-072221-BN-SJSB083(14-16)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.53 J	pg/g
	11215702-072221-BN-SJSB083(16-18)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.30 J	pg/g
	11215702-072221-BN-SJSB083(16-18)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.35 J	pg/g
	11215702-072121-SS-SJSB077(16-18)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.32 J	pg/g
	11215702-072121-SS-SJSB077(16-18)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.18 J	pg/g
	11215702-072121-SS-SJSB078(16-18)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	1.1 J	pg/g
	11215702-072121-SS-SJSB078(16-18)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.38 J	pg/g
	11215702-072121-SS-SJSB078(16-18)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.32 J	pg/g
	11215702-072021-SS-SJSB073(0-2)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	6.4 J	pg/g
	11215702-072021-SS-SJSB075(12-14)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.33 J	pg/g

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072021-SS-SJSB075(14-16)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.41 J	pg/g
	11215702-072021-SS-SJSB073(12-14)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.82 J	pg/g
	11215702-072021-SS-SJSB073(14-16)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	1.8 J	pg/g
	11215702-072021-SS-SJSB073(10-12)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	1.3 J	pg/g
	11215702-072021-SS-SJSB075(10-12)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.39 J	pg/g
	11215702-072021-SS-SJSB075(16-18)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.33 J	pg/g
	11215702-072021-SS-SJSB073(0-2)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.98 J	pg/g
	11215702-072021-SS-SJSB072(8-10)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.14 J	pg/g
	11215702-072021-SS-SJSB072(8-10)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.22 J	pg/g
	11215702-072021-SS-SJSB072(8-10)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.049 J	pg/g
	11215702-072021-SS-SJSB072(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.26 J	pg/g
	11215702-072021-SS-SJSB072(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.21 J	pg/g
	11215702-072021-SS-SJSB072(12-14)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.083 J	pg/g
	11215702-072021-SS-SJSB072(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.30 J	pg/g
	11215702-072021-SS-SJSB072(12-14)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.073 J	pg/g
	11215702-072021-SS-SJSB072(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.85 J	pg/g
	11215702-072421-BN-SJSB104(0-2)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.10 J	pg/g
	11215702-072421-BN-SJSB104(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.047 J	pg/g
	11215702-072521-BN-SJSB092(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	82 J	pg/g
	11215702-072521-BN-SJSB092(4-6)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	1.9 J	pg/g
	11215702-072521-BN-SJSB092(8-10)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	1.4 J	pg/g
	11215702-072521-BN-SJSB092(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	2.7 J	pg/g
	11215702-072521-BN-SJSB092(8-10)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.92 J	pg/g
	11215702-072521-BN-SJSB092(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	2.6 J	pg/g
	11215702-072521-BN-SJSB092(10-12)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.4 J	pg/g
	11215702-072521-BN-SJSB092(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.97 J	pg/g
	11215702-072521-BN-SJSB092(10-12)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	17 J	pg/g

Table 9

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Dioxins/Furans	11215702-072521-BN-SJSB092(14-16)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.54 J	pg/g
	11215702-072521-BN-SJSB092(14-16)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.42 J	pg/g
	11215702-072521-BN-SJSB092(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.66 J	pg/g
	11215702-072521-BN-SJSB092(16-18)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.61 J	pg/g
	11215702-072421-BN-SJSB104(2-4)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.080 J	pg/g
	11215702-072421-BN-SJSB104(2-4)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.032 J	pg/g
	11215702-072421-BN-SJSB104(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.0 J	pg/g
	11215702-072421-BN-SJSB104(4-6)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.089 J	pg/g
	11215702-072421-BN-SJSB104(6-8)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.049 J	pg/g
	11215702-072421-BN-SJSB104(8-10)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.068 J	pg/g
	11215702-072421-BN-SJSB104(8-10)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.24 J	pg/g
	11215702-072421-BN-SJSB104(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.38 J	pg/g
	11215702-072321-BN-SJSB105(0-2)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	3.0 J	pg/g
	11215702-072321-BN-SJSB105(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	6.7 J	pg/g
	11215702-072321-BN-SJSB105(2-4)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	54 J	pg/g
	11215702-072321-BN-SJSB105(4-6)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.53 J	pg/g
	11215702-072321-BN-SJSB105(6-8)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.2 J	pg/g
	11215702-072321-BN-SJSB105(8-10)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.44 J	pg/g
	11215702-072321-BN-SJSB105(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.27 J	pg/g
	11215702-072321-BN-SJSB105(12-14)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	2.1 J	pg/g
	11215702-072321-BN-SJSB105(14-16)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.12 J	pg/g
	11215702-072321-BN-SJSB105(16-18)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.18 J	pg/g
	11215702-072321-BN-SJSB085(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.21 J	pg/g
	11215702-072321-BN-SJSB085(6-8)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.12 J	pg/g
	11215702-072321-BN-SJSB085(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.98 J	pg/g
	11215702-072321-BN-SJSB085(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.083 J	pg/g
	11215702-072321-BN-SJSB085(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.30 J	pg/g

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Dioxins/Furans	11215702-072321-BN-SJSB085(12-14)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.14 J	pg/g
	11215702-072321-BN-SJSB085(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.6 J	pg/g
	11215702-072321-BN-SJSB085(14-16)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.33 J	pg/g
	11215702-072021-BN-SJSB084(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	8.6 J	pg/g
	11215702-072021-BN-SJSB084(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	35 J	pg/g
	11215702-072021-BN-SJSB084(10-12)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.24 J	pg/g
	11215702-072021-BN-SJSB084(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.21 J	pg/g
	11215702-072021-BN-SJSB084(12-14)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.21 J	pg/g
	11215702-072021-BN-SJSB084(12-14)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.23 J	pg/g
	11215702-072021-BN-SJSB084(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.2 J	pg/g
	11215702-072021-BN-SJSB084(14-16)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.12 J	pg/g
	11215702-072021-BN-SJSB084(14-16)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.11 J	pg/g
	11215702-072021-BN-SJSB084(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.5 J	pg/g
	11215702-072021-BN-SJSB084(16-18)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.66 J	pg/g
	11215702-072021-BN-SJSB084(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.44 J	pg/g
	11215702-072021-BN-SJSB084(16-18)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.15 J	pg/g
	11215702-072021-BN-SJSB084(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.4 J	pg/g
	11215702-072021-BN-SJSB084(4-6)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.092 J	pg/g
	11215702-072021-BN-SJSB084(8-10)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.27 J	pg/g
	11215702-072021-BN-SJSB084(8-10)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.25 J	pg/g
	11215702-072021-BN-SJSB084(8-10)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.15 J	pg/g
	11215702-072221-DUP-4	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.10 J	pg/g
	11215702-072221-SS-SJSB074(10-12)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.074 J	pg/g
	11215702-072221-SS-SJSB074(10-12)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.17 J	pg/g
	11215702-072221-SS-SJSB074(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.12 J	pg/g
	11215702-072221-SS-SJSB074(12-14)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.11 J	pg/g
	11215702-072221-SS-SJSB074(14-16)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.38 J	pg/g

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Dioxins/Furans	11215702-072221-SS-SJSB074(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.19 J	pg/g
	11215702-072221-SS-SJSB074(14-16)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.16 J	pg/g
	11215702-072221-SS-SJSB074(16-18)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.27 J	pg/g
	11215702-072221-SS-SJSB074(16-18)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.12 J	pg/g
	11215702-072221-SS-SJSB074(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.38 J	pg/g
	11215702-072221-SS-SJSB074(6-8)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.64 J	pg/g
	11215702-072221-SS-SJSB074(6-8)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.32 J	pg/g
	11215702-072221-SS-SJSB074(8-10)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.44 J	pg/g
	11215702-072221-SS-SJSB076(10-12)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	2.7 J	pg/g
	11215702-072221-SS-SJSB076(10-12)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.35 J	pg/g
	11215702-072221-SS-SJSB076(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.29 J	pg/g
	11215702-072221-SS-SJSB076(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.98 J	pg/g
	11215702-072221-SS-SJSB076(10-12)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.59 J	pg/g
	11215702-072221-SS-SJSB076(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.61 J	pg/g
	11215702-072221-SS-SJSB076(12-14)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.5 J	pg/g
	11215702-072221-SS-SJSB076(14-16)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.084 J	pg/g
	11215702-072221-SS-SJSB076(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.34 J	pg/g
	11215702-072221-SS-SJSB076(14-16)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.065 J	pg/g
	11215702-072221-SS-SJSB076(14-16)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.15 J	pg/g
	11215702-072221-SS-SJSB076(16-18)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.13 J	pg/g
	11215702-072221-SS-SJSB076(6-8)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	3.6 J	pg/g
	11215702-072221-SS-SJSB076(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.24 J	pg/g
	11215702-072221-SS-SJSB076(8-10)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.43 J	pg/g
	11215702-072221-SS-SJSB076(8-10)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.30 J	pg/g
	11215702-072221-SS-SJSB076(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.19 J	pg/g
	11215702-072221-SS-SJSB076(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.28 J	pg/g
	11215702-072221-SS-SJSB080(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.13 J	pg/g

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Dioxins/Furans	11215702-072221-SS-SJSB080(16-18)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.20 J	pg/g
	11215702-072221-SS-SJSB080(16-18)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.059 J	pg/g
	11215702-072221-SS-SJSB080(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.3 J	pg/g
	11215702-072221-SS-SJSB080(6-8)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.79 J	pg/g
	11215702-072421-DUP-6	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	1.1 J	pg/g
	11215702-072421-DUP-6	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	1.4 J	pg/g
	11215702-072421-DUP-6	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.3 J	pg/g
	11215702-072421-SS-SJSB099(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	12 J	pg/g
	11215702-072421-SS-SJSB099(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.52 J	pg/g
	11215702-072421-SS-SJSB099(10-12)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.52 J	pg/g
	11215702-072421-SS-SJSB099(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.31 J	pg/g
	11215702-072421-SS-SJSB099(12-14)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.51 J	pg/g
	11215702-072421-SS-SJSB099(12-14)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.82 J	pg/g
	11215702-072421-SS-SJSB099(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.26 J	pg/g
	11215702-072421-SS-SJSB099(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.3 J	pg/g
	11215702-072421-SS-SJSB099(14-16)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	1.0 J	pg/g
	11215702-072421-SS-SJSB099(14-16)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.24 J	pg/g
	11215702-072421-SS-SJSB099(14-16)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.55 J	pg/g
	11215702-072421-SS-SJSB099(16-18)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.59 J	pg/g
	11215702-072421-SS-SJSB099(16-18)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.15 J	pg/g
	11215702-072421-SS-SJSB099(16-18)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.72 J	pg/g
	11215702-072421-SS-SJSB099(16-18)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.47 J	pg/g
	11215702-072421-SS-SJSB099(16-18)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.36 J	pg/g
	11215702-072421-SS-SJSB099(2-4)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	8.3 J	pg/g
	11215702-072421-SS-SJSB099(4-6)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	1.0 J	pg/g
	11215702-072421-SS-SJSB099(4-6)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	2.9 J	pg/g
	11215702-072421-SS-SJSB099(4-6)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.27 J	pg/g

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Dioxins/Furans	11215702-072421-SS-SJSB099(6-8)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.31 J	pg/g
	11215702-072421-SS-SJSB099(8-10)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.61 J	pg/g
	11215702-072421-SS-SJSB099(8-10)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.20 J	pg/g
	11215702-072421-SS-SJSB099(8-10)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.43 J	pg/g
	11215702-072521-DUP-7	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	3.8 J	pg/g
	11215702-072521-SS-SJSB079(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	13 J	pg/g
	11215702-072521-SS-SJSB079(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	7.9 J	pg/g
	11215702-072521-SS-SJSB079(10-12)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.58 J	pg/g
	11215702-072521-SS-SJSB079(12-14)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.24 J	pg/g
	11215702-072521-SS-SJSB079(12-14)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.11 J	pg/g
	11215702-072521-SS-SJSB079(12-14)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.36 J	pg/g
	11215702-072521-SS-SJSB079(12-14)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.70 J	pg/g
	11215702-072521-SS-SJSB079(14-16)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.88 J	pg/g
	11215702-072521-SS-SJSB079(14-16)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.68 J	pg/g
	11215702-072521-SS-SJSB079(14-16)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.4 J	pg/g
	11215702-072521-SS-SJSB079(4-6)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	15 J	pg/g
	11215702-072521-SS-SJSB079(8-10)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	4.9 J	pg/g
	11215702-072521-SS-SJSB101(0-2)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	6.1 J	pg/g
	11215702-072521-SS-SJSB101(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.37 J	pg/g
	11215702-072521-SS-SJSB101(10-12)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.52 J	pg/g
	11215702-072521-SS-SJSB101(14-16)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.24 J	pg/g
	11215702-072521-SS-SJSB101(14-16)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	0.71 J	pg/g
	11215702-072521-SS-SJSB101(16-18)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	1.2 J	pg/g
	11215702-072521-SS-SJSB101(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	2.4 J	pg/g
	11215702-072521-SS-SJSB101(6-8)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.61 J	pg/g
	11215702-072521-SS-SJSB101(6-8)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.26 J	pg/g
	11215702-072521-SS-SJSB101(6-8)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.24 J	pg/g

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072521-SS-SJSB101(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.26 J	pg/g
	11215702-072521-SS-SJSB101(8-10)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.20 J	pg/g
	11215702-072521-SS-SJSB101(8-10)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.20 J	pg/g
	11215702-072521-SS-SJSB101(8-10)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.14 J	pg/g
	11215702-072521-SS-SJSB101(8-10)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.31 J	pg/g
	11215702-072521-SS-SJSB101(8-10)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	3.2 J	pg/g
	11215702-072621-BN-DUP-8	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.2 J	pg/g
	11215702-072621-BN-DUP-8	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.99 J	pg/g
	11215702-072621-BN-SJSB094(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.0 J	pg/g
	11215702-072621-BN-SJSB094(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	5.6 J	pg/g
	11215702-072621-BN-SJSB094(10-12)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.62 J	pg/g
	11215702-072621-BN-SJSB094(10-12)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.7 J	pg/g
	11215702-072621-BN-SJSB094(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	1.3 J	pg/g
	11215702-072621-BN-SJSB094(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.4 J	pg/g
	11215702-072621-BN-SJSB094(16-18)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	2.6 J	pg/g
	11215702-072621-BN-SJSB094(2-4)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	57 J	pg/g
	11215702-072621-BN-SJSB094(4-6)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	9.1 J	pg/g
	11215702-072621-BN-SJSB094(6-8)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	100 J	pg/g
	11215702-072621-BN-SJSB094(8-10)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	13 J	pg/g
	11215702-072721-BN-DUP-9	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.82 J	pg/g
	11215702-072721-BN-SJSB096(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.49 J	pg/g
	11215702-072721-BN-SJSB096(10-12)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.25 J	pg/g
	11215702-072721-BN-SJSB096(12-14)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.16 J	pg/g
	11215702-072721-BN-SJSB096(14-16)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.74 J	pg/g
	11215702-072721-BN-SJSB096(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.29 J	pg/g
	11215702-072721-BN-SJSB096(14-16)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.6 J	pg/g
	11215702-072721-BN-SJSB096(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.95 J	pg/g

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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072721-BN-SJSB096(16-18)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.40 J	pg/g
	11215702-072721-BN-SJSB096(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.91 J	pg/g
	11215702-072721-BN-SJSB096(16-18)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.53 J	pg/g
	11215702-072721-BN-SJSB096(2-4)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	4.0 J	pg/g
	11215702-072721-BN-SJSB096(4-6)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.73 J	pg/g
	11215702-072721-BN-SJSB096(6-8)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.18 J	pg/g
	11215702-072721-BN-SJSB096(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.81 J	pg/g
	11215702-072721-BN-SJSB096(6-8)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.043 J	pg/g
	11215702-072221-BN-SJSB083(18-20)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	19 J	pg/g
	11215702-072121-SS-SJSB078(0-2)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	560 J	pg/g
	11215702-072121-SS-SJSB078(0-2)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	440 J	pg/g
	11215702-072121-SS-SJSB078(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	170 J	pg/g
	11215702-072121-SS-SJSB077(6-8)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.4 J	pg/g
	11215702-072121-SS-SJSB077(8-10)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	5.2 J	pg/g
	11215702-072121-SS-SJSB077(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.32 J	pg/g
	11215702-072121-SS-SJSB077(12-14)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.33 J	pg/g
	11215702-072121-SS-SJSB077(12-14)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	2.2 J	pg/g
	11215702-072121-SS-SJSB077(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.6 J	pg/g
	11215702-072121-SS-SJSB077(14-16)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	2.4 J	pg/g
	11215702-072121-DUP-3	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	4.6 J	pg/g
	11215702-072121-SS-SJSB078(6-8)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.33 J	pg/g
	11215702-072121-SS-SJSB078(6-8)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	1.6 J	pg/g
	11215702-072121-SS-SJSB078(8-10)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.51 J	pg/g
	11215702-072121-SS-SJSB078(12-14)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	2.7 J	pg/g
	11215702-072121-SS-SJSB078(12-14)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.21 J	pg/g
	11215702-072121-SS-SJSB078(12-14)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.52 J	pg/g
	11215702-072121-SS-SJSB078(14-16)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.21 J	pg/g

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San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072521-SS-SJSB101(18-20)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.38 J	pg/g
	11215702-072521-SS-SJSB101(18-20)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.26 J	pg/g
	11215702-072821-BN-SJSB095(0-2)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	340 J	pg/g
	11215702-072821-BN-SJSB095(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	88 J	pg/g
	11215702-072821-BN-DUP-10	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.55 J	pg/g
	11215702-072821-BN-DUP-10	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.48 J	pg/g
	11215702-072821-BN-DUP-10	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	6.3 J	pg/g
	11215702-072821-BN-SJSB095(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	18 J	pg/g
	11215702-072821-BN-SJSB095(2-4)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	1.6 J	pg/g
	11215702-072821-BN-SJSB095(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	4.4 J	pg/g
	11215702-072821-BN-SJSB095(4-6)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.74 J	pg/g
	11215702-072821-BN-SJSB095(6-8)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	10 J	pg/g
	11215702-072821-BN-SJSB095(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.50 J	pg/g
	11215702-072821-BN-SJSB095(8-10)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	1.3 J	pg/g
	11215702-072821-BN-SJSB095(10-12)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.17 J	pg/g
	11215702-072821-BN-SJSB095(10-12)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.14 J	pg/g
	11215702-072821-BN-SJSB095(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.33 J	pg/g
	11215702-072821-BN-SJSB095(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.20 J	pg/g
	11215702-072821-BN-SJSB095(14-16)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.13 J	pg/g
	11215702-072521-SS-SJSB101(18-20)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.34 J	pg/g
	11215702-072221-BN-SJSB083(18-20)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.49 J	pg/g
	11215702-072121-SS-SJSB078(18-20)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.043 J	pg/g
	11215702-072121-SS-SJSB078(18-20)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.096 J	pg/g
	11215702-080221-BN-SJSB090(10-12)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.23 J	pg/g
	11215702-080321-BN-DUP-18	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.12 J	pg/g
	11215702-080321-BN-SJSB091(4-6)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.21 J	pg/g
	11215702-080321-BN-SJSB091(14-16)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.063 J	pg/g

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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-080221-BN-SJSB090(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.39 J	pg/g
	11215702-080321-BN-SJSB091(8-10)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.076 J	pg/g
	11215702-080221-BN-SJSB090(2-4)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.84 J	pg/g
	11215702-080321-BN-SJSB091(6-8)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.096 J	pg/g
	11215702-080221-BN-DUP-11	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.19 J	pg/g
	11215702-080221-BN-SJSB090(0-2)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	110 J	pg/g
	11215702-080221-BN-SJSB090(16-18)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.10 J	pg/g
	11215702-080321-BN-SJSB091(2-4)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.080 J	pg/g
	11215702-080321-BN-SJSB091(6-8)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.068 J	pg/g
	11215702-080321-BN-SJSB091(10-12)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.14 J	pg/g
	11215702-080321-BN-SJSB091(12-14)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.086 J	pg/g
	11215702-080321-BN-SJSB091(14-16)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.087 J	pg/g
	11215702-080321-BN-DUP-18	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.20 J	pg/g
	11215702-080321-BN-SJSB091(2-4)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.56 J	pg/g
	11215702-080321-BN-SJSB091(6-8)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.15 J	pg/g
	11215702-080321-BN-SJSB091(8-10)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.099 J	pg/g
	11215702-080321-BN-SJSB091(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.11 J	pg/g
	11215702-080321-BN-SJSB091(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.27 J	pg/g
	11215702-080321-BN-SJSB091(2-4)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.040 J	pg/g
	11215702-080321-BN-SJSB091(4-6)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.065 J	pg/g
	11215702-080321-BN-SJSB091(6-8)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.11 J	pg/g
	11215702-080221-BN-SJSB090(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.19 J	pg/g
	11215702-080221-BN-SJSB090(14-16)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.18 J	pg/g
	11215702-080321-BN-SJSB091(0-2)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.50 J	pg/g
	11215702-080321-BN-SJSB091(2-4)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.23 J	pg/g
	11215702-080321-BN-SJSB091(8-10)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.048 J	pg/g
	11215702-080321-BN-DUP-18	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.30 J	pg/g

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-080221-BN-SJSB090(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.87 J	pg/g
	11215702-080321-BN-DUP-18	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.56 J	pg/g
	11215702-080321-BN-SJSB091(6-8)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.043 J	pg/g
	11215702-080321-BN-SJSB091(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.50 J	pg/g
	11215702-080321-BN-SJSB091(10-12)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.51 J	pg/g
	11215702-080321-BN-SJSB091(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.74 J	pg/g
	11215702-080321-BN-SJSB091(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.53 J	pg/g
	11215702-080321-BN-SJSB091(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.39 J	pg/g
	11215702-080321-BN-SJSB091(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.72 J	pg/g
	11215702-072121-SS-SJSB078(22-24)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	0.57 J	pg/g
	11215702-072121-SS-SJSB078(22-24)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.25 J	pg/g
	11215702-072021-SS-SJSB072(22-24)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.072 J	pg/g
	11215702-072021-SS-SJSB072(22-24)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.036 J	pg/g
	11215702-072021-SS-SJSB072(18-20)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.27 J	pg/g
	11215702-072021-SS-SJSB072(20-22)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.18 J	pg/g
	11215702-072021-SS-SJSB072(22-24)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.088 J	pg/g
	11215702-072021-SS-SJSB072(18-20)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.050 J	pg/g
	11215702-072021-SS-SJSB072(22-24)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.053 J	pg/g
	11215702-072021-SS-SJSB072(22-24)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.081 J	pg/g
	11215702-072021-SS-SJSB072(20-22)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.44 J	pg/g
	11215702-080421-BN-DUP-12	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.18 J	pg/g
	11215702-080421-BN-SJSB086(4-6)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.054 J	pg/g
	11215702-080421-BN-SJSB086(14-16)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.23 J	pg/g
	11215702-080421-BN-SJSB086(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.064 J	pg/g
	11215702-080521-BN-SJSB081(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.12 J	pg/g
	11215702-080421-BN-DUP-12	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.084 J	pg/g
	11215702-080421-BN-SJSB086(4-6)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.084 J	pg/g

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Dioxins/Furans	11215702-080421-BN-SJSB086(14-16)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.11 J	pg/g
	11215702-080521-BN-DUP-13	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.086 J	pg/g
	11215702-080521-BN-SJSB081(12-14)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.17 J	pg/g
	11215702-080521-BN-SJSB081(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.71 J	pg/g
	11215702-080421-BN-DUP-12	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.36 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.35 J	pg/g
	11215702-080421-BN-SJSB086(6-8)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.069 J	pg/g
	11215702-080421-BN-SJSB086(14-16)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.14 J	pg/g
	11215702-080421-BN-SJSB086(16-18)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.065 J	pg/g
	11215702-080521-BN-SJSB081(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.22 J	pg/g
	11215702-080521-BN-SJSB081(0-2)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	19 J	pg/g
	11215702-080521-BN-SJSB081(2-4)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	4.9 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.38 J	pg/g
	11215702-080521-BN-SJSB081(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.27 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.20 J	pg/g
	11215702-080521-BN-SJSB081(2-4)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	14 J	pg/g
	11215702-080521-BN-SJSB081(4-6)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	13 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.46 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.16 J	pg/g
	11215702-080521-BN-SJSB081(2-4)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	7.1 J	pg/g
	11215702-080521-BN-SJSB081(4-6)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	9.3 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.86 J	pg/g
	11215702-080521-BN-SJSB081(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	4.5 J	pg/g
	11215702-080521-BN-SJSB081(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	14 J	pg/g
	11215702-080521-BN-SJSB081(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.5 J	pg/g
	11215702-080521-BN-SJSB081(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	8.1 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.089 J	pg/g

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Dioxins/Furans	11215702-080521-BN-SJSB081(8-10)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	96 J	pg/g
	11215702-080521-BN-SJSB081(6-8)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.28 J	pg/g
	11215702-080421-BN-SJSB086(6-8)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.17 J	pg/g
	11215702-080421-BN-SJSB086(16-18)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.23 J	pg/g
	11215702-080421-BN-SJSB086(0-2)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.21 J	pg/g
	11215702-080421-BN-DUP-12	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.11 J	pg/g
	11215702-080421-BN-DUP-12	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.29 J	pg/g
	11215702-080421-BN-SJSB086(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.24 J	pg/g
	11215702-080421-BN-SJSB086(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.13 J	pg/g
	11215702-080421-BN-SJSB086(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.21 J	pg/g
	11215702-080421-BN-SJSB086(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.24 J	pg/g
	11215702-080421-BN-SJSB086(10-12)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.25 J	pg/g
	11215702-080421-BN-SJSB086(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.4 J	pg/g
	11215702-080421-BN-SJSB086(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.54 J	pg/g
	11215702-080421-BN-SJSB086(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.17 J	pg/g
	11215702-080521-BN-SJSB081(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.1 J	pg/g
	11215702-080521-BN-SJSB081(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.47 J	pg/g
	11215702-080521-BN-SJSB081(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.39 J	pg/g
	11215702-072021-SS-SJSB072(18-20)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	0.40 J	pg/g
	11215702-072021-SS-SJSB072(18-20)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.18 J	pg/g
	11215702-072021-SS-SJSB072(22-24)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.52 J	pg/g
	11215702-080721-BN-SJSB089(10-12)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.64 J	pg/g
	11215702-080721-BN-SJSB089(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.58 J	pg/g
	11215702-080721-BN-SJSB089(8-10)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.38 J	pg/g
	11215702-080721-BN-SJSB089(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.26 J	pg/g
	11215702-080721-BN-SJSB089(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.61 J	pg/g
	11215702-080621-BN-DUP-13	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	5.5 J	pg/g

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Dioxins/Furans	11215702-080621-BN-SJSB088(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.34 J	pg/g
	11215702-080621-BN-SJSB088(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.36 J	pg/g
	11215702-080721-BN-SJSB089(12-14)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.050 J	pg/g
	11215702-080721-BN-SJSB089(4-6)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.85 J	pg/g
	11215702-080721-BN-SJSB089(12-14)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.098 J	pg/g
	11215702-080721-BN-SJSB089(12-14)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.15 J	pg/g
	11215702-080621-BN-SJSB088(10-12)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.33 J	pg/g
	11215702-080621-BN-SJSB088(20-22)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.28 J	pg/g
	11215702-080621-BN-SJSB088(20-22)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.70 J	pg/g
	11215702-080621-BN-SJSB088(18-20)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.38 J	pg/g
	11215702-080621-BN-SJSB088(20-22)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.66 J	pg/g
	11215702-080621-BN-SJSB088(18-20)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.90 J	pg/g
	11215702-080621-BN-SJSB088(20-22)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.11 J	pg/g
	11215702-080621-BN-SJSB088(22-24)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.33 J	pg/g
	11215702-080721-BN-SJSB089(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.23 J	pg/g
	11215702-080621-BN-SJSB088(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.0 J	pg/g
	11215702-080621-BN-SJSB088(10-12)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.18 J	pg/g
	11215702-080621-BN-SJSB088(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	29 J	pg/g
	11215702-080621-BN-SJSB088(4-6)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	8.2 J	pg/g
	11215702-080621-BN-SJSB088(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	12 J	pg/g
	11215702-080621-BN-SJSB088(10-12)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.18 J	pg/g
	11215702-080721-BN-SJSB089(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.60 J	pg/g
	11215702-080721-BN-SJSB089(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.24 J	pg/g
	11215702-080621-BN-SJSB088(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.32 J	pg/g
	11215702-080621-BN-SJSB088(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.51 J	pg/g
	11215702-080621-BN-SJSB088(22-24)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.36 J	pg/g
	11215702-080821-BN-SJSB106(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.69 J	pg/g

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Dioxins/Furans	11215702-080821-BN-SJSB106(4-6)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	3.1 J	pg/g
	11215702-080821-BN-SJSB106(8-10)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.65 J	pg/g
	11215702-080821-BN-SJSB106(10-12)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.77 J	pg/g
	11215702-080821-BN-SJSB106(14-16)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.80 J	pg/g
	11215702-080821-BN-SJSB106(16-18)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.80 J	pg/g
	11215702-080821-BN-SJSB106(4-6)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.26 J	pg/g
	11215702-080821-BN-SJSB106(4-6)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.77 J	pg/g
	11215702-080821-BN-SJSB106(8-10)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.68 J	pg/g
	11215702-080821-BN-SJSB106(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.75 J	pg/g
	11215702-080821-BN-SJSB106(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.0 J	pg/g
	11215702-080821-BN-SJSB106(16-18)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.15 J	pg/g
	11215702-080821-BN-SJSB106(2-4)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.69 J	pg/g
	11215702-080821-BN-SJSB106(0-2)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	1.1 J	pg/g
	11215702-080921-DUP-16	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.20 J	pg/g
	11215702-080921-BN-SJSB082(6-8)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.24 J	pg/g
	11215702-080921-BN-SJSB082(14-16)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.12 J	pg/g
	11215702-080921-BN-SJSB082(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.1 J	pg/g
	11215702-080921-DUP-16	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.27 J	pg/g
	11215702-080921-BN-SJSB082(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.87 J	pg/g
	11215702-080921-DUP-16	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.39 J	pg/g
	11215702-080921-BN-SJSB082(14-16)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.20 J	pg/g
	11215702-080921-BN-SJSB082(10-12)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.033 J	pg/g
	11215702-080921-DUP-16	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.24 J	pg/g
	11215702-080921-BN-SJSB082(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.7 J	pg/g
	11215702-080921-BN-SJSB082(16-18)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	0.28 J	pg/g
	11215702-080921-BN-SJSB082(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.40 J	pg/g
	11215702-080921-BN-SJSB082(16-18)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.073 J	pg/g

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
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San Jacinto, Harris County, Texas
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-080921-BN-SJSB082(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.50 J	pg/g
	11215702-080821-BN-SJSB106(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.90 J	pg/g
	11215702-080821-BN-SJSB106(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.69 J	pg/g
	11215702-080821-BN-SJSB106(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.4 J	pg/g
	11215702-081021-BN-SJSB087(10-12)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.30 J	pg/g
	11215702-081021-BN-DUP-17	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.068 J	pg/g
	11215702-081021-BN-SJSB087(10-12)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.11 J	pg/g
	11215702-081021-BN-DUP-17	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.065 J	pg/g
	11215702-081021-BN-SJSB087(12-14)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.20 J	pg/g
	11215702-081021-BN-SJSB087(10-12)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.18 J	pg/g
	11215702-081021-BN-SJSB087(10-12)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.7 J	pg/g
	11215702-081021-BN-SJSB087(16-18)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	0.50 J	pg/g
	11215702-081921-BN-SJSB102(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	14 J	pg/g
	11215702-081921-BN-SJSB102(4-6)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	3.9 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.0 J	pg/g
	11215702-081921-BN-SJSB102(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.43 J	pg/g
	11215702-081921-BN-SJSB102(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.44 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	37 J	pg/g
	11215702-081921-BN-SJSB102(12-14)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.88 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	13 J	pg/g
	11215702-081921-BN-SJSB102(12-14)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.63 J	pg/g
	11215702-081921-BN-SJSB102(14-16)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.94 J	pg/g
	11215702-081921-BN-SJSB102(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.63 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	11 J	pg/g
	11215702-081921-BN-SJSB102(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.2 J	pg/g
	11215702-081921-BN-SJSB102(14-16)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.4 J	pg/g
	11215702-081921-BN-SJSB102(16-18)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	2.6 J	pg/g

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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-081921-BN-SJSB102(4-6)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.4 J	pg/g
	11215702-081921-BN-SJSB102(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	3.7 J	pg/g
	11215702-081921-BN-SJSB102(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.9 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	98 J	pg/g
	11215702-081921-BN-SJSB102(6-8)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.5 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	20 J	pg/g
	11215702-081921-BN-SJSB102(12-14)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.43 J	pg/g
	11215702-081921-BN-SJSB102(14-16)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.15 J	pg/g
	11215702-081921-BN-SJSB102(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	3.8 J	pg/g
	11215702-081921-BN-SJSB102(6-8)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.4 J	pg/g
	11215702-081921-BN-SJSB102(0-2)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	13 J	pg/g
	11215702-081921-BN-SJSB102(4-6)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	23 J	pg/g
	11215702-081021-BN-SJSB087(16-18)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.90 J	pg/g
	11215702-081021-BN-SJSB087(16-18)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.8 J	pg/g
	11215702-081921-BN-SJSB102(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	3.0 J	pg/g
	11215702-082021-BN-SJSB098(0-2)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	2.3 J	pg/g
	11215702-082021-BN-SJSB098(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	2.5 J	pg/g
	11215702-082021-BN-SJSB098(0-2)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	4.7 J	pg/g
	11215702-082021-BN-SJSB098(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	2.1 J	pg/g
	11215702-082021-BN-SJSB098(0-2)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	4.5 J	pg/g
	11215702-082021-BN-SJSB098(12-14)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	2.3 J	pg/g
	11215702-082021-BN-SJSB098(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	71 J	pg/g
	11215702-082021-BN-SJSB098(2-4)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.6 J	pg/g
	11215702-082021-BN-SJSB098(2-4)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	6.3 J	pg/g
	11215702-082021-BN-SJSB098(2-4)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	3.8 J	pg/g
	11215702-082021-BN-SJSB098(2-4)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	14 J	pg/g
	11215702-082021-BN-SJSB098(2-4)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	9.2 J	pg/g

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Dioxins/Furans	11215702-082021-BN-SJSB098(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	16 J	pg/g
	11215702-082021-BN-SJSB098(6-8)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	3.0 J	pg/g
	11215702-082021-BN-SJSB098(6-8)	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	6.5 J	pg/g
	11215702-082021-BN-SJSB098(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	2.7 J	pg/g
	11215702-082021-BN-SJSB098(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.6 J	pg/g
	11215702-082021-BN-SJSB098(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	7.8 J	pg/g
	11215702-082021-BN-SJSB098(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	3.7 J	pg/g
	11215702-082121-BN-SJSB103(0-2)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	0.36 J	pg/g
	11215702-082121-BN-SJSB103(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.4 J	pg/g
	11215702-082121-BN-SJSB103(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	5.6 J	pg/g
	11215702-082121-BN-SJSB103(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.043 J	pg/g
	11215702-082121-BN-SJSB103(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.043 J	pg/g
	11215702-082121-BN-SJSB103(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.13 J	pg/g
	11215702-082121-BN-SJSB103(12-14)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.21 J	pg/g
	11215702-082121-BN-SJSB103(12-14)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.25 J	pg/g
	11215702-082121-BN-SJSB103(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2.1 J	pg/g
	11215702-082121-BN-SJSB103(4-6)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	11 J	pg/g
	11215702-082121-BN-SJSB103(4-6)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.0 J	pg/g
	11215702-082121-BN-SJSB103(4-6)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.0 J	pg/g
	11215702-082121-BN-SJSB103(4-6)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.2 J	pg/g
	11215702-082121-BN-SJSB103(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.46 J	pg/g
	11215702-082121-BN-SJSB103(6-8)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.86 J	pg/g
	11215702-082121-BN-SJSB103(6-8)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	2.8 J	pg/g
	11215702-082121-BN-SJSB103(6-8)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	2.0 J	pg/g
	11215702-082121-BN-SJSB103(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.7 J	pg/g
	11215702-082121-BN-SJSB103(8-10)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.8 J	pg/g
	11215702-082121-BN-SJSB103(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	5.2 J	pg/g

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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-082221-BN-DUP-20	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	1.3 J	pg/g
	11215702-082221-BN-DUP-20	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	1.5 J	pg/g
	11215702-082221-BN-DUP-20	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.52 J	pg/g
	11215702-082221-BN-DUP-20	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.2 J	pg/g
	11215702-082221-BN-DUP-20	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	1.2 J	pg/g
	11215702-082221-BN-SJSB097(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	2.0 J	pg/g
	11215702-082221-BN-SJSB097(0-2)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.5 J	pg/g
	11215702-082221-BN-SJSB097(10-12)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.055 J	pg/g
	11215702-082221-BN-SJSB097(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.15 J	pg/g
	11215702-082221-BN-SJSB097(10-12)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.44 J	pg/g
	11215702-082221-BN-SJSB097(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.10 J	pg/g
	11215702-082221-BN-SJSB097(12-14)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.16 J	pg/g
	11215702-082221-BN-SJSB097(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.069 J	pg/g
	11215702-082221-BN-SJSB097(14-16)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.16 J	pg/g
	11215702-082221-BN-SJSB097(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.050 J	pg/g
	11215702-082221-BN-SJSB097(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.54 J	pg/g
	11215702-082221-BN-SJSB097(4-6)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.6 J	pg/g
	11215702-082221-BN-SJSB097(6-8)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	17 J	pg/g
	11215702-082221-BN-SJSB097(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.0 J	pg/g
	11215702-082221-BN-SJSB097(6-8)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2.3 J	pg/g
	11215702-082221-BN-SJSB097(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.74 J	pg/g
	11215702-082221-BN-SJSB097(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.96 J	pg/g
	11215702-082221-BN-SJSB097(8-10)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.2 J	pg/g
	11215702-082321-BN-SJSB100(0-2)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	5.1 J	pg/g
	11215702-082321-BN-SJSB100(0-2)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	5.0 J	pg/g
	11215702-082321-BN-SJSB100(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	6.3 J	pg/g
	11215702-082321-BN-SJSB100(0-2)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	8.6 J	pg/g

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Dioxins/Furans	11215702-082321-BN-SJSB100(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	5.7 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	2.9 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	18 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	0.83 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	0.50 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.44 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.64 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.2 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.13 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	1.1 J	pg/g
	11215702-082321-BN-SJSB100(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.2 J	pg/g
	11215702-082321-BN-SJSB100(12-14)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.18 J	pg/g
	11215702-082321-BN-SJSB100(14-16)	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.14 J	pg/g
	11215702-082321-BN-SJSB100(10-12)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.23 J	pg/g
	11215702-082321-BN-SJSB100(12-14)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.17 J	pg/g
	11215702-082321-BN-SJSB100(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	0.43 J	pg/g
	11215702-082321-BN-SJSB100(10-12)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.32 J	pg/g
	11215702-082321-BN-SJSB100(12-14)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.29 J	pg/g
	11215702-082421-BN-SJSB093(0-2)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	110 J	pg/g
	11215702-082421-BN-SJSB093(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	99 J	pg/g
	11215702-082421-BN-SJSB093(0-2)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	33 J	pg/g
	11215702-082421-BN-SJSB093(2-4)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	11 J	pg/g
	11215702-082321-BN-SJSB100(6-8)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	1.3 J	pg/g
	11215702-082321-BN-SJSB100(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.76 J	pg/g
	11215702-082321-BN-SJSB100(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.3 J	pg/g
	11215702-082421-BN-SJSB093(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	2.1 J	pg/g
	11215702-082321-BN-SJSB100(4-6)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	1.5 J	pg/g
	11215702-082321-BN-SJSB100(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.3 J	pg/g
	11215702-082321-BN-SJSB100(8-10)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	1.2 J	pg/g

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-082421-BN-SJSB093(4-6)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	6.0 J	pg/g
	11215702-082421-BN-SJSB093(12-14)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	19 J	pg/g
	11215702-082421-BN-SJSB093(14-16)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	12 J	pg/g
	11215702-082321-BN-SJSB100(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	3.4 J	pg/g
	11215702-082421-BN-SJSB093(0-2)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	390 J	pg/g
	11215702-082421-BN-SJSB093(2-4)	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	430 J	pg/g
	11215702-082321-BN-SJSB100(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.13 J	pg/g
	11215702-082321-BN-SJSB100(14-16)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	0.13 J	pg/g
	11215702-072821-BN-SJSB095 (14-16)-R	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.38 J	pg/g
	11215702-080221-BN-SJSB090 (8-10)-R	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.68 J	pg/g
	11215702-072321-BN-SJSB085 (6-8)-R	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.80 J	pg/g
	11215702-072321-BN-SJSB085 (6-8)-R	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.15 J	pg/g
	11215702-072521-SS-SJSB101 (10-12)-R	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.23 J	pg/g
	11215702-072821-BN-SJSB095 (14-16)-R	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	0.47 J	pg/g
	11215702-072721-BN-SJSB096 (10-12)-R	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	0.14 J	pg/g
	11215702-080721-BN-DUP-19-R	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	0.090 J	pg/g
	11215702-080721-BN-DUP-19-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1.0 J	pg/g

Table 9

Qualified Sample Results Due to Outlying Identification Criteria
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-081921-BN-SJSB102 (16-18)-R	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	3.7 J	pg/g
	11215702-081921-BN-SJSB102 (16-18)-R	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	2.4 J	pg/g
	11215702-081921-BN-SJSB102 (12-14)-R	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.65 J	pg/g
	11215702-081921-BN-SJSB102 (16-18)-R	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.2 J	pg/g
	11215702-072221-BN-SJSB083(8-10)-WC	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	2.1 J	pg/g
	11215702-072221-BN-SJSB083(10-12)-WC	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	1.3 J	pg/g
	11215702-072221-BN-SJSB083(10-12)-WC	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	0.29 J	pg/g
	11215702-072521-SS-SJSB101(0-2)-WC	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	4.5 J	pg/g
	11215702-081921-BN-SJSB102(8-10)	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	0.63 J	pg/g
	11215702-081921-BN-SJSB102(10-12)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.2 J	pg/g
	11215702-081921-BN-SJSB102(8-10)	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	1.9 J	pg/g

Notes:

J - Estimated concentration

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072321-BN-SJSB085(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	98000 J	pg/g
	11215702-072321-BN-SJSB105(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	83000 J	pg/g
	11215702-072321-BN-SJSB105(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-072321-BN-SJSB105(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	610 J	pg/g
	11215702-072321-BN-SJSB105(12-14)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	900 J	pg/g
	11215702-072321-BN-SJSB085(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1700 J	pg/g
	11215702-072321-BN-SJSB085(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	31000 J	pg/g
	11215702-072321-BN-SJSB105(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	27000 J	pg/g
	11215702-072321-BN-SJSB105(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	33000 J	pg/g
	11215702-072521-BN-SJSB092(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	21000 J	pg/g
	11215702-072521-BN-SJSB092(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	16000 J	pg/g
	11215702-072521-BN-SJSB092(12-14)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	6800 J	pg/g
	11215702-072221-DUP-5	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	21000 J	pg/g
	11215702-072221-DUP-5	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	5900 J	pg/g
	11215702-072221-DUP-5	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	3900 J	pg/g
	11215702-072221-DUP-5	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	160000 J	pg/g
	11215702-072221-DUP-5	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	41000 J	pg/g
	11215702-072221-SS-SJSB074(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	19000 J	pg/g
	11215702-072221-SS-SJSB074(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	5600 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	41000 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	4200 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	4000 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	9900 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	5300 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	180000 J	pg/g
	11215702-072221-SS-SJSB074(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	49000 J	pg/g
	11215702-072221-SS-SJSB074(4-6)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	17000 J	pg/g

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
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San Jacinto, Harris County, Texas
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072221-SS-SJSB074(4-6)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	5100 J	pg/g
	11215702-072221-SS-SJSB074(4-6)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	3600 J	pg/g
	11215702-072221-SS-SJSB074(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	63000 J	pg/g
	11215702-072221-SS-SJSB074(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	22000 J	pg/g
	11215702-072221-SS-SJSB076(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	7600 J	pg/g
	11215702-072221-SS-SJSB076(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	2100 J	pg/g
	11215702-072221-SS-SJSB076(2-4)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	8400 J	pg/g
	11215702-072221-SS-SJSB076(2-4)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	6000 J	pg/g
	11215702-072221-SS-SJSB076(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	110000 J	pg/g
	11215702-072221-SS-SJSB076(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	36000 J	pg/g
	11215702-072221-SS-SJSB076(4-6)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	16000 J	pg/g
	11215702-072221-SS-SJSB076(4-6)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	11000 J	pg/g
	11215702-072221-SS-SJSB076(4-6)	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	6400 J	pg/g
	11215702-072221-SS-SJSB076(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	150000 J	pg/g
	11215702-072221-SS-SJSB076(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	45000 J	pg/g
	11215702-072221-SS-SJSB080(0-2)	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	7000 J	pg/g
	11215702-072221-SS-SJSB080(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	47000 J	pg/g
	11215702-072221-SS-SJSB080(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	17000 J	pg/g
	11215702-072221-SS-SJSB080(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	28000 J	pg/g
	11215702-072221-SS-SJSB080(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	11000 J	pg/g
	11215702-072221-SS-SJSB080(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	19000 J	pg/g
	11215702-072221-SS-SJSB080(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	6900 J	pg/g
	11215702-072221-SS-SJSB080(6-8)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	7500 J	pg/g
	11215702-072221-SS-SJSB080(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	2300 J	pg/g
	11215702-072221-SS-SJSB080(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	3300 J	pg/g
	11215702-072221-SS-SJSB080(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1100 J	pg/g
	11215702-072421-SS-SJSB099(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	35000 J	pg/g

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072421-SS-SJSB099(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	160000 J	pg/g
	11215702-072421-SS-SJSB099(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	40000 J	pg/g
	11215702-072421-SS-SJSB099(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	120000 J	pg/g
	11215702-072521-DUP-7	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	120000 J	pg/g
	11215702-072521-DUP-7	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	31000 J	pg/g
	11215702-072521-SS-SJSB079(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	23000 J	pg/g
	11215702-072521-SS-SJSB079(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	77000 J	pg/g
	11215702-072521-SS-SJSB079(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	37000 J	pg/g
	11215702-072521-SS-SJSB079(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	120000 J	pg/g
	11215702-072521-SS-SJSB079(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	19000 J	pg/g
	11215702-072521-SS-SJSB079(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	70000 J	pg/g
	11215702-072521-SS-SJSB079(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	35000 J	pg/g
	11215702-072521-SS-SJSB079(6-8)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-072521-SS-SJSB079(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	120000 J	pg/g
	11215702-072521-SS-SJSB079(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	31000 J	pg/g
	11215702-072521-SS-SJSB101(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	44000 J	pg/g
	11215702-072521-SS-SJSB101(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	160000 J	pg/g
	11215702-072521-SS-SJSB101(10-12)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	540 J	pg/g
	11215702-072521-SS-SJSB101(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	42000 J	pg/g
	11215702-072521-SS-SJSB101(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	150000 J	pg/g
	11215702-072521-SS-SJSB101(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	18000 J	pg/g
	11215702-072521-SS-SJSB101(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	62000 J	pg/g
	11215702-072721-BN-SJSB096(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	60000 J	pg/g
	11215702-072721-BN-SJSB096(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	250000 J	pg/g
	11215702-072721-BN-SJSB096(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	15000 J	pg/g
	11215702-072721-BN-SJSB096(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	61000 J	pg/g
	11215702-072721-BN-SJSB096(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	910 J	pg/g

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
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Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072721-BN-SJSB096(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1900 J	pg/g
	11215702-072721-BN-SJSB096(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	8000 J	pg/g
	11215702-072621-BN-SJSB094(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	24000 J	pg/g
	11215702-072621-BN-SJSB094(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	110000 J	pg/g
	11215702-072621-BN-SJSB094(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	23000 J	pg/g
	11215702-072621-BN-SJSB094(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	140000 J	pg/g
	11215702-072621-BN-SJSB094(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	26000 J	pg/g
	11215702-072621-BN-SJSB094(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-072621-BN-DUP-8	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2300 J	pg/g
	11215702-072621-BN-SJSB094(6-8)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	47000 J	pg/g
	11215702-072621-BN-DUP-8	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	570 J	pg/g
	11215702-072621-BN-SJSB094(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	10000 J	pg/g
	11215702-072621-BN-SJSB094(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	3700 J	pg/g
	11215702-072621-BN-SJSB094(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	16000 J	pg/g
	11215702-072121-SS-SJSB077(6-8)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	170000 J	pg/g
	11215702-072121-SS-SJSB077(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	44000 J	pg/g
	11215702-072121-SS-SJSB077(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	54000 J	pg/g
	11215702-072121-SS-SJSB078(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	190000 J	pg/g
	11215702-072121-SS-SJSB077(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	200000 J	pg/g
	11215702-072121-DUP-3	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	140000 J	pg/g
	11215702-072121-SS-SJSB077(14-16)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	730 J	pg/g
	11215702-072121-DUP-3	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	44000 J	pg/g
	11215702-072821-BN-SJSB095(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	23000 J	pg/g
	11215702-072821-BN-SJSB095(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	810 J	pg/g
	11215702-072821-BN-SJSB095(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	110000 J	pg/g
	11215702-072821-BN-SJSB095(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	3500 J	pg/g
	11215702-080221-BN-SJSB090(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	110000 J	pg/g

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-080221-BN-SJSB090(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	12000 J	pg/g
	11215702-080221-BN-SJSB090(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2000 J	pg/g
	11215702-080221-BN-SJSB090(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	620 J	pg/g
	11215702-080221-BN-SJSB090(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	49000 J	pg/g
	11215702-080221-BN-SJSB090(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	5100 J	pg/g
	11215702-080221-BN-SJSB090(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	700 J	pg/g
	11215702-072121-SS-SJSB078(20-22)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	570 J	pg/g
	11215702-080521-BN-SJSB081(4-6)	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	3100 J	pg/g
	11215702-080521-BN-SJSB081(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	93000 J	pg/g
	11215702-080521-BN-SJSB081(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	92000 J	pg/g
	11215702-080521-BN-SJSB081(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	45000 J	pg/g
	11215702-080521-BN-SJSB081(10-12)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	530 J	pg/g
	11215702-080521-BN-SJSB081(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	36000 J	pg/g
	11215702-080521-BN-SJSB081(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	37000 J	pg/g
	11215702-080521-BN-SJSB081(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	13000 J	pg/g
	11215702-080621-BN-SJSB088(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-080621-BN-SJSB088(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	170000 J	pg/g
	11215702-080621-BN-SJSB088(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-080621-BN-SJSB088(6-8)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	120000 J	pg/g
	11215702-080621-BN-SJSB088(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-080621-BN-SJSB088(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	25000 J	pg/g
	11215702-080621-BN-SJSB088(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	25000 J	pg/g
	11215702-080621-BN-SJSB088(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	35000 J	pg/g
	11215702-080621-BN-SJSB088(6-8)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	40000 J	pg/g
	11215702-080621-BN-SJSB088(8-10)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	36000 J	pg/g
	11215702-080721-BN-SJSB089(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1600 J	pg/g
	11215702-080621-BN-DUP-13	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	110000 J	pg/g

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-080721-BN-SJSB089(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	630 J	pg/g
	11215702-080621-BN-DUP-13	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	49000 J	pg/g
	11215702-080921-BN-SJSB082(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	44000 J	pg/g
	11215702-080921-BN-SJSB082(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1300 J	pg/g
	11215702-080921-BN-SJSB082(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	3900 J	pg/g
	11215702-080921-BN-SJSB082(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	520 J	pg/g
	11215702-080921-BN-SJSB082(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1500 J	pg/g
	11215702-081021-BN-SJSB087(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	12000 J	pg/g
	11215702-081021-BN-SJSB087(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	48000 J	pg/g
	11215702-081021-BN-SJSB087(4-6)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	4200 J	pg/g
	11215702-081021-BN-SJSB087(8-10)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1200 J	pg/g
	11215702-081021-BN-SJSB087(14-16)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1100 J	pg/g
	11215702-081021-BN-SJSB087(0-2)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	3100 J	pg/g
	11215702-081021-BN-SJSB087(2-4)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	19000 J	pg/g
	11215702-081021-BN-SJSB087(4-6)	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1800 J	pg/g
	11215702-082421-BN-SJSB093(0-2)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	120000 J	pg/g
	11215702-082421-BN-SJSB093(2-4)	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	110000 J	pg/g
	11215702-072121-SS-SJSB077 (14-16)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	690 J	pg/g
	11215702-080521-BN-SJSB081 (8-10)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	23000 J	pg/g
	11215702-080521-BN-SJSB081 (8-10)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	7700 J	pg/g
	11215702-081021-BN-SJSB087 (14-16)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2600 J	pg/g
	11215702-081021-BN-SJSB087 (14-16)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1200 J	pg/g
	11215702-080621-BN-SJSB088 (16-18)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	3600 J	pg/g
	11215702-080621-BN-SJSB088 (16-18)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1400 J	pg/g
	11215702-080621-BN-SJSB088 (6-8)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	130000 J	pg/g
	11215702-080621-BN-SJSB088 (6-8)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	55000 J	pg/g
	11215702-080221-BN-SJSB090 (8-10)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	1200 J	pg/g
	11215702-072621-BN-DUP-8-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2400 J	pg/g
	11215702-072621-BN-DUP-8-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	720 J	pg/g

Table 10

Qualified Sample Data Due to Exceedance of Calibration Range
San Jacinto River Waste Pits Superfund Site Investigation
Supplemental Design Investigation - Northern Impoundment Area
San Jacinto, Harris County, Texas
July - August 2021

Parameter	Sample ID	Analyte	Qualified Result	Units
Dioxins/Furans	11215702-072621-BN-SJSB094 (6-8)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	45000 J	pg/g
	11215702-072621-BN-SJSB094 (6-8)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	12000 J	pg/g
	11215702-072821-BN-SJSB095 (8-10)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	2400 J	pg/g
	11215702-072821-BN-SJSB095 (8-10)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	710 J	pg/g
	11215702-072721-BN-SJSB096 (8-10)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	25000 J	pg/g
	11215702-072721-BN-SJSB096 (8-10)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	5700 J	pg/g
	11215702-072321-BN-SJSB105 (12-14)-R	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	3700 J	pg/g
	11215702-072321-BN-SJSB105 (12-14)-R	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	970 J	pg/g
	11215702-072521-SS-SJSB101(0-2)-WC	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	140000 J	pg/g
	11215702-072521-SS-SJSB101(2-4)-WC	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	100000 J	pg/g
	11215702-072521-SS-SJSB101(0-2)-WC	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	35000 J	pg/g
	11215702-072521-SS-SJSB101(2-4)-WC	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	34000 J	pg/g

Notes:

J - Estimated concentration

Technical Memorandum

November 15, 2021

To	Janie Smith	**Tel**	860 747-18298
Copy to	Ashley Lucas	**Email**	Kathleen.shaw@ghd.com
From	Kathy Shaw/eew/3-NF	**Ref. No.**	11215702
Subject	Analytical Results and Data Verification Waste Characterization San Jacinto Supplemental Design Investigation Channelview, Harris County, Texas July and August 2021		

1. Introduction

This document details data verification of analytical results for solid samples collected in support of the Waste Characterization at the San Jacinto Supplemental Design Investigation site during July and August 2021. Samples were submitted to Eurofins Xenco laboratory located in Stafford, Texas. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes and laboratory control samples (LCS) field quality assurance/quality control (QA/QC) samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", USEPA 540-R-10-011, January 2010

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", USEPA 540-R-08-01, June 2008

iii) Quality Assurance Project Plan, Final Second Phase Pre-Design Investigation", San Jacinto River Waste Pits Site, Harris County, Texas, Report No 6, June 3, 2019

These items will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria and sample preservation requirements for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. The samples summarized in Table 4 were qualified due to sample holding time period exceedances. The remaining samples were prepared and/or analyzed within the specified holding time periods.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C). Due to FedEx delays the samples were received four days after collection and samples 11215702-072221-BN-SJSB083(8-10)-WC and 11215702-072221-BN-SJSB083(10-12)-WC arrived at the laboratory at a temperature of 12.5°C. Since ice was present in the cooler upon receipt at the laboratory no qualification was performed.

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Most method blank results were non-detect indicating that laboratory contamination was not a factor for this investigation. A low concentration of selenium was detected in a method blank indicating a potential for laboratory contamination. The associated sample containing a similar concentration of selenium was assumed to be a reflection of laboratory contamination and was qualified non-detect in Table 5.

4. Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for semivolatile organic compounds (SVOC), volatile organic compounds (VOC), pesticides, herbicides, and polychlorinated biphenyls (PCB) determinations were spiked with the appropriate number of surrogate compounds prior to sample extraction and/or analysis.

Each individual surrogate compound is expected to meet the laboratory (method) control limits with the exception of SVOC analyses. According to the "Guidelines" for SVOC analyses, up to one outlying surrogate in the base/neutral or acid fractions is acceptable as long as the recovery is at least 10 percent.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within the laboratory control limits.

5. Laboratory Control Sample Analyses

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference [RPD] of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS/LCSD were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS/LCSD contained all compounds of interest. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The LCS/LCSD contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries and RPDs were within the control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. All percent recoveries and RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7. Duplicate Sample Analyses – Inorganic Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory for inorganic analyses as specified in Table 1. The laboratory performed additional site-specific duplicate analyses internally. The duplicate results were evaluated per the "Guidelines". All duplicate analyses performed were acceptable, demonstrating acceptable analytical precision.

8. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were reported as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the MDL in Table 2.

All soil results were reported on a dry weight basis.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Regards,

Kathleen Shaw
Digital Intelligence-Data Management-Chemist

Table 1

Sample Collection and Analysis Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Identification	Location	Matrix	Initial Sample Depth (ft. bgs.)	Final Sample Depth (ft. bgs.)	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters												Comments
							Ignitability	TCLP Metals	TCLP Pesticides	PCB	TCLP Herbicides	TCLP VOC	TCLP SVOC	Cyanide Total	Reactive Cyanide	Reactive Sulfide	Sulfide	pH	Free liquid	
11215702-072221-BN-SJSB083(10-12)-WC	SJSB083-Waste	Soil	10	12	07/22/2021	11:10	X	X	X	X	X	X	X	X	X	X	X	X	X	
11215702-072221-BN-SJSB083(8-10)-WC	SJSB083-Waste	Soil	8	10	07/22/2021	11:05	X	X	X	X	X	X	X	X	X	X	X	X	X	
11215702-072521-SS-SJSB101(0-2)-WC	SJSB101-Waste	Soil	0	2	07/25/2021	10:00	X	X	X	X	X	X	X	X	X	X	X	X	X	MS/MSD/DUP
11215702-072521-SS-SJSB101(2-4)-WC	SJSB101-Waste	Soil	2	4	07/25/2021	10:05	X	X	X	X	X	X	X	X	X	X	X	X	X	
11215702-081921-BN-SJSB102(10-12)-WC	SJSB102-Waste	Soil	10	12	08/19/2021	14:55	X	X	X	X	X	X	X	X	X	X	X	X	X	
11215702-081921-BN-SJSB102(8-10)-WC	SJSB102-Waste	Soil	8	10	08/19/2021	14:50	X	X	X	X	X	X	X	X	X	X	X	X	X	MS/MSD

Notes:

DUP	- Laboratory Duplicate
ft. bgs.	- Feet below ground surface
MS/MSD	- Matrix Spike/Matrix Spike Duplicate
PCB	- Polychlorinated biphenyls
SVOC	- Semi-volatile Organic Compounds
TCLP	- Toxicity Characteristic Leaching Procedure
VOC	- Volatile Organic Compounds

Table 2

Analytical Results Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Location:		**SJSB101-Waste**	**SJSB101-Waste**	**SJSB102-Waste**
Sample Identification:		**11215702-072521-SS-SJSB101(0-2)-WC**	**11215702-072521-SS-SJSB101(2-4)-WC**	**11215702-081921-BN-SJSB102(8-10)-WC**
Sample Date:		**07/25/21**	**07/25/21**	**08/19/21**
Sample Depth:		**(0-2) ft bgs**	**(2-4) ft bgs**	**(8-10) ft bgs**
Sample Type:				
Parameter				
TCLP-Herbicides				
2,4,5-TP (Silvex)	mg/L	0.0064 U	0.0064 U	0.0064 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	0.020 U	0.020 U	0.020 U
TCLP-Metals				
Arsenic	mg/L	0.041 U	0.041 U	0.041 U
Barium	mg/L	1.4 J	0.98 J	0.22 J
Cadmium	mg/L	0.0028 U	0.0028 U	0.0028 U
Chromium	mg/L	0.019 U	0.019 U	0.019 U
Lead	mg/L	0.033 J	0.029 U	0.029 U
Mercury	mg/L	0.00013 U	0.00016 J	0.00013 U
Selenium	mg/L	0.036 U	0.036 U	0.036 U
Silver	mg/L	0.0085 U	0.0085 U	0.0085 U
PCBs				
Aroclor-1016 (PCB-1016)	µg/kg	13 U	10 U	7.2 U
Aroclor-1221 (PCB-1221)	µg/kg	14 U	11 U	7.9 U
Aroclor-1232 (PCB-1232)	µg/kg	9.5 U	7.7 U	5.4 U
Aroclor-1242 (PCB-1242)	µg/kg	5.7 U	4.6 U	3.3 U
Aroclor-1248 (PCB-1248)	µg/kg	9.3 U	7.6 U	5.3 U
Aroclor-1254 (PCB-1254)	µg/kg	12 U	9.5 U	6.7 U
Aroclor-1260 (PCB-1260)	µg/kg	1500	1900	6.3 U
TCLP-Pesticides				
Chlordane, technical	mg/L	0.0029 U	0.0029 U	0.0029 U
Endrin	mg/L	0.000091 U	0.000091 U	0.000091 U
gamma-BHC (lindane)	mg/L	0.00012 U	0.00012 U	0.00012 U
Heptachlor	mg/L	0.00018 U	0.00018 U	0.00018 U
Heptachlor epoxide	mg/L	0.00014 U	0.00014 U	0.00014 U
Methoxychlor	mg/L	0.00031 U	0.00031 U	0.00031 U
Toxaphene	mg/L	0.020 U	0.020 U	0.020 U

Table 2

Analytical Results Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Location:		**SJSB101-Waste**	**SJSB101-Waste**	**SJSB102-Waste**
Sample Identification:		**11215702-072521-SS-SJSB101(0-2)-WC**	**11215702-072521-SS-SJSB101(2-4)-WC**	**11215702-081921-BN-SJSB102(8-10)-WC**
Sample Date:		**07/25/21**	**07/25/21**	**08/19/21**
Sample Depth:		**(0-2) ft bgs**	**(2-4) ft bgs**	**(8-10) ft bgs**
Sample Type:				
Parameter				
TCLP-Semi-Volatile Organic Compounds				
1,4-Dichlorobenzene	mg/L	0.0045 U	0.0045 U	0.0045 U
2,4,5-Trichlorophenol	mg/L	0.0079 U	0.0079 U	0.0079 U
2,4,6-Trichlorophenol	mg/L	0.0095 U	0.0095 U	0.0095 U
2,4-Dinitrotoluene	mg/L	0.0079 U	0.0079 U	0.0079 U
2-Methylphenol	mg/L	0.0040 U	0.0040 U	0.0040 U
3&4-Methylphenol	mg/L	0.0079 U	0.0079 U	0.0079 U
Hexachlorobenzene	mg/L	0.0055 U	0.0055 U	0.0055 U
Hexachlorobutadiene	mg/L	0.0084 U	0.0084 U	0.0084 U
Hexachloroethane	mg/L	0.0040 U	0.0040 U	0.0040 U
Methylphenol (cresol)	mg/L	0.012 U	0.012 U	0.012 U
Nitrobenzene	mg/L	0.012 U	0.012 U	0.012 U
Pentachlorophenol	mg/L	0.0075 U	0.0075 U	0.0075 U
Pyridine	mg/L	0.0082 U	0.0082 U	0.0082 U
TCLP-Volatile Organic Compounds				
1,1-Dichloroethene	mg/L	0.057 U	0.057 U	0.11 U
1,2-Dichloroethane	mg/L	0.029 U	0.029 U	0.058 U
1,4-Dichlorobenzene	mg/L	0.020 U	0.020 U	0.041 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.058 U	0.058 U	0.12 U
Benzene	mg/L	0.039 U	0.039 U	0.079 U
Carbon tetrachloride	mg/L	0.066 U	0.066 U	0.13 U
Chlorobenzene	mg/L	0.032 U	0.032 U	0.063 U
Chloroform (Trichloromethane)	mg/L	0.042 U	0.042 U	0.085 U
Tetrachloroethene	mg/L	0.040 U	0.040 U	0.080 U
Trichloroethene	mg/L	0.030 U	0.030 U	0.060 U
Vinyl chloride	mg/L	0.073 U	0.073 U	0.15 U

Table 2

Analytical Results Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Location:		**SJSB101-Waste**	**SJSB101-Waste**	**SJSB102-Waste**
Sample Identification:		**11215702-072521-SS-SJSB101(0-2)-WC**	**11215702-072521-SS-SJSB101(2-4)-WC**	**11215702-081921-BN-SJSB102(8-10)-WC**
Sample Date:		**07/25/21**	**07/25/21**	**08/19/21**
Sample Depth:		**(0-2) ft bgs**	**(2-4) ft bgs**	**(8-10) ft bgs**
Sample Type:				
Parameter				
General Chemistry				
Cyanide (total)	mg/kg	0.51 U	0.50 U	0.29 U
Free liquid	none	0.10 CNF	0.10 CNF	0.10 CNF
Ignitability	Deg F	140	140	140
Percent solids	%	42.5 Dup 43.4	51.4 Dup 40.0	--
Percent solids, vol.	%	--	--	81.7 Dup 74.4
pH, lab	s.u.	9.5 J	8.0 J	8.8 J
Reactive cyanide	mg/kg	0.011 U	0.011 U	0.012 U
Reactive sulfide	mg/kg	1.2 U	1.2 U	1.3 U
Sulfide	mg/kg	15 U	17 U	8.2 U

Table 2

Analytical Results Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Location:		**SJSB102-Waste**	**SJSB083-Waste**	**SJSB083-Waste**
Sample Identification:		**11215702-081921-BN-SJSB102(10-12)-WC**	**11215702-072221-BN-SJSB083(8-10)-WC**	**11215702-072221-BN-SJSB083(10-12)-WC**
Sample Date:		**08/19/21**	**07/22/21**	**07/22/21**
Sample Depth:		**(10-12) ft bgs**	**(8-10) ft bgs**	**(10-12) ft bgs**
Sample Type:				
Parameter				
TCLP-Herbicides				
2,4,5-TP (Silvex)	mg/L	0.0064 U	0.0064 U	0.0064 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	0.020 U	0.020 U	0.020 U
TCLP-Metals				
Arsenic	mg/L	0.041 U	0.041 U	0.041 U
Barium	mg/L	0.28 J	0.86 J	0.39 J
Cadmium	mg/L	0.0028 U	0.0028 U	0.0028 U
Chromium	mg/L	0.019 U	0.019 U	0.019 U
Lead	mg/L	0.029 U	0.029 U	0.029 U
Mercury	mg/L	0.00013 U	0.00013 U	0.00013 U
Selenium	mg/L	0.036 U	0.50 U	0.036 U
Silver	mg/L	0.0085 U	0.0085 U	0.0085 U
PCBs				
Aroclor-1016 (PCB-1016)	µg/kg	8.5 U	11 U	8.0 U
Aroclor-1221 (PCB-1221)	µg/kg	9.2 U	12 U	8.7 U
Aroclor-1232 (PCB-1232)	µg/kg	6.4 U	8.2 U	6.0 U
Aroclor-1242 (PCB-1242)	µg/kg	3.8 U	4.9 U	3.6 U
Aroclor-1248 (PCB-1248)	µg/kg	6.3 U	8.1 U	5.9 U
Aroclor-1254 (PCB-1254)	µg/kg	7.8 U	10 U	7.4 U
Aroclor-1260 (PCB-1260)	µg/kg	7.4 U	670	7.0 U
TCLP-Pesticides				
Chlordane, technical	mg/L	0.0029 U	0.0029 U	0.0029 U
Endrin	mg/L	0.000091 U	0.000091 U	0.000091 U
gamma-BHC (lindane)	mg/L	0.00012 U	0.00012 U	0.00012 U
Heptachlor	mg/L	0.00018 U	0.00018 U	0.00018 U
Heptachlor epoxide	mg/L	0.00014 U	0.00014 U	0.00014 U
Methoxychlor	mg/L	0.00031 U	0.00031 U	0.00031 U
Toxaphene	mg/L	0.020 U	0.020 U	0.020 U

Table 2

Analytical Results Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Location:		**SJSB102-Waste**	**SJSB083-Waste**	**SJSB083-Waste**
Sample Identification:		**11215702-081921-BN-SJSB102(10-12)-WC**	**11215702-072221-BN-SJSB083(8-10)-WC**	**11215702-072221-BN-SJSB083(10-12)-WC**
Sample Date:		**08/19/21**	**07/22/21**	**07/22/21**
Sample Depth:		**(10-12) ft bgs**	**(8-10) ft bgs**	**(10-12) ft bgs**
Sample Type:				
Parameter				
TCLP-Semi-Volatile Organic Compounds				
1,4-Dichlorobenzene	mg/L	0.0045 U	0.0045 U	0.0045 U
2,4,5-Trichlorophenol	mg/L	0.0079 U	0.0079 U	0.0079 U
2,4,6-Trichlorophenol	mg/L	0.0095 U	0.0095 U	0.0095 U
2,4-Dinitrotoluene	mg/L	0.0079 U	0.0079 U	0.0079 U
2-Methylphenol	mg/L	0.0040 U	0.0040 U	0.0040 U
3&4-Methylphenol	mg/L	0.0079 U	0.0079 U	0.0079 U
Hexachlorobenzene	mg/L	0.0055 U	0.0055 U	0.0055 U
Hexachlorobutadiene	mg/L	0.0084 U	0.0084 U	0.0084 U
Hexachloroethane	mg/L	0.0040 U	0.0040 U	0.0040 U
Methylphenol (cresol)	mg/L	0.012 U	0.012 U	0.012 U
Nitrobenzene	mg/L	0.012 U	0.012 U	0.012 U
Pentachlorophenol	mg/L	0.0075 U	0.0075 U	0.0075 U
Pyridine	mg/L	0.0082 U	0.0082 U	0.0082 U
TCLP-Volatile Organic Compounds				
1,1-Dichloroethene	mg/L	0.11 U	0.057 U	0.057 U
1,2-Dichloroethane	mg/L	0.058 U	0.029 U	0.029 U
1,4-Dichlorobenzene	mg/L	0.041 U	0.020 U	0.020 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.12 U	0.058 U	0.058 U
Benzene	mg/L	0.079 U	0.039 U	0.039 U
Carbon tetrachloride	mg/L	0.13 U	0.066 U	0.066 U
Chlorobenzene	mg/L	0.063 U	0.032 U	0.032 U
Chloroform (Trichloromethane)	mg/L	0.085 U	0.042 U	0.042 U
Tetrachloroethene	mg/L	0.080 U	0.040 U	0.040 U
Trichloroethene	mg/L	0.060 U	0.030 U	0.030 U
Vinyl chloride	mg/L	0.15 U	0.073 U	0.073 U

Table 2

Analytical Results Summary
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Sample Location:		**SJSB102-Waste**	**SJSB083-Waste**	**SJSB083-Waste**
Sample Identification:		**11215702-081921-BN-SJSB102(10-12)-WC**	**11215702-072221-BN-SJSB083(8-10)-WC**	**11215702-072221-BN-SJSB083(10-12)-WC**
Sample Date:		**08/19/21**	**07/22/21**	**07/22/21**
Sample Depth:		**(10-12) ft bgs**	**(8-10) ft bgs**	**(10-12) ft bgs**
Sample Type:				
Parameter				
General Chemistry				
Cyanide (total)	mg/kg	0.36 U	0.48 U	0.37 U
Free liquid	none	0.10 CNF	0.10 CNF	0.10 CFL
Ignitability	Deg F	140	140	140
Percent solids	%	--	48.8	67.4
Percent solids, vol.	%	63.8 Dup 73.8	--	--
pH, lab	s.u.	8.4 J	8.6 J	8.9 J
Reactive cyanide	mg/kg	0.011 U	0.011 U	0.012 U
Reactive sulfide	mg/kg	1.2 U	1.2 U	25
Sulfide	mg/kg	9.1 U	13 U	11 U

Notes:

U - Not detected at the associated reporting limit
J - Estimated concentration
CNL - Contains Free Liquid
CNF - Contains No Free Liquid
TCLP - Toxicity Characteristic Leaching Procedure
ft bgs - Feet below ground surface
PCBs - Polychlorinated Biphenyls
"--" - Not analyzed

Table 3

Analytical Methods
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Parameter	Method	Matrix	Preservation	Holding Time		
				Collection to Extraction or TCLP Extraction (Days)	TCLP Extraction to Preparative Extraction (Days)	Collection or Extraction to Analysis (Days)
TCLP VOC	SW-846 1311/8260B	Soil	Iced, 0-6° C	14	-	7
TCLP SVOC	SW-846 1311/8270C	Soil	Iced, 0-6° C	14	7	40
Polychlorinated Biphenyls (PCB)	SW-846 8082	Soil	Iced, 0-6° C	14	-	40
TCLP Metals	SW-846 1311/6010B	Soil	Iced, 0-6° C	180	-	180
TCLP Mercury	SW-846 1311/7470A	Soil	Iced, 0-6° C	28	-	28
TCLP Pesticides	SW-846 1311/8081A	Soil	Iced, 0-6° C	14	7	40
TCLP Herbicides	SW-846 1311/8151A	Soil	Iced, 0-6° C	14	7	40
Cyanide	SW-846 9014	Soil	Iced, 0-6° C	-	-	14
Reactive Cyanide	SW-846 9012	Soil	Iced, 0-6° C	-	-	14
Reative Sulfide	SW-846 9034	Soil	Iced, 0-6° C	-	-	7

Table 3

Analytical Methods
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Parameter	Method	Matrix	Preservation	Holding Time		
				Collection to Extraction or TCLP Extraction (Days)	TCLP Extraction to Preparative Extraction (Days)	Collection or Extraction to Analysis (Days)
pH	SW-846 9045	Soil	Iced, 0-6° C	-	-	24 hours
Ignitability	SW-846 1020	Soil	Iced, 0-6° C	-	-	14
Free Liquid	SW-846 9095	Soil	Iced, 0-6° C	-	-	NA

Notes:

Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Holding Time Exceedance
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Parameter	Sample ID	Holding Time (hours)	Holding Time Criteria (hours)	Analyte	Qualified Sample Results	Units
General Chemistry	11215702-072221-BN-SJSB083(8-10)-WC	> 24	≤ 24	pH, lab	8.6 J	s.u.
	11215702-072221-BN-SJSB083(10-12)-WC				8.9 J	s.u.
	11215702-081921-BN-SJSB102(8-10)-WC				8.8 J	s.u.
	11215702-081921-BN-SJSB102(10-12)-WC				8.4 J	s.u.
	11215702-072521-SS-SJSB101(0-2)-WC				9.5 J	s.u.
	11215702-072521-SS-SJSB101(2-4)-WC				8.0 J	s.u.

Notes:

J - Estimated concentration

Table 5

Qualified Sample Results Due to Analyte Concentrations in the Method Blanks
Waste Characterization
San Jacinto Supplemental Design Investigation
Channelview, Harris County, Texas
July and August 2021

Parameter	Analyte	Analysis Date (mm/dd/yyyy)	Blank Result	Sample ID	Original Result	Qualified Result	Units
TCLP Metals	Selenium	08/05/2021	0.0429 J	11215702-072221-BN-SJSB083(8-10)-WC	0.039 J	0.50 U	mg/L

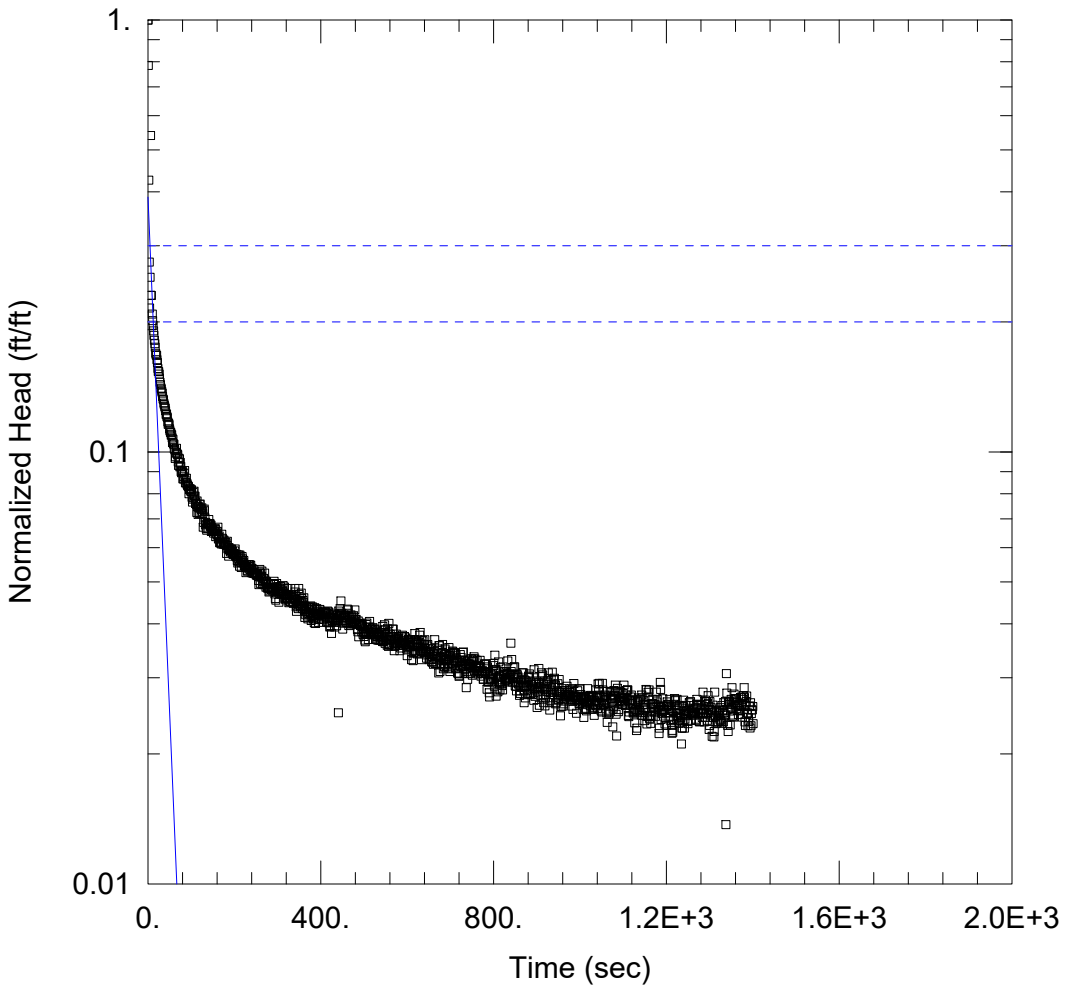
Notes:

U - Not detected at the associated reporting limit

J - Estimated concentration

Appendix A-10

Supplemental Design Investigation Slug Testing Results



WELL TEST ANALYSIS

Data Set: C:\...\PZNC slug in.aqt
Date: 03/08/22 Time: 14:48:18

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215131
Location: Channelview, TX
Test Well: PZ-NC
Test Date: 12/17/21

AQUIFER DATA

Saturated Thickness: 6.92 ft Anisotropy Ratio (Kz/Kr): 1.

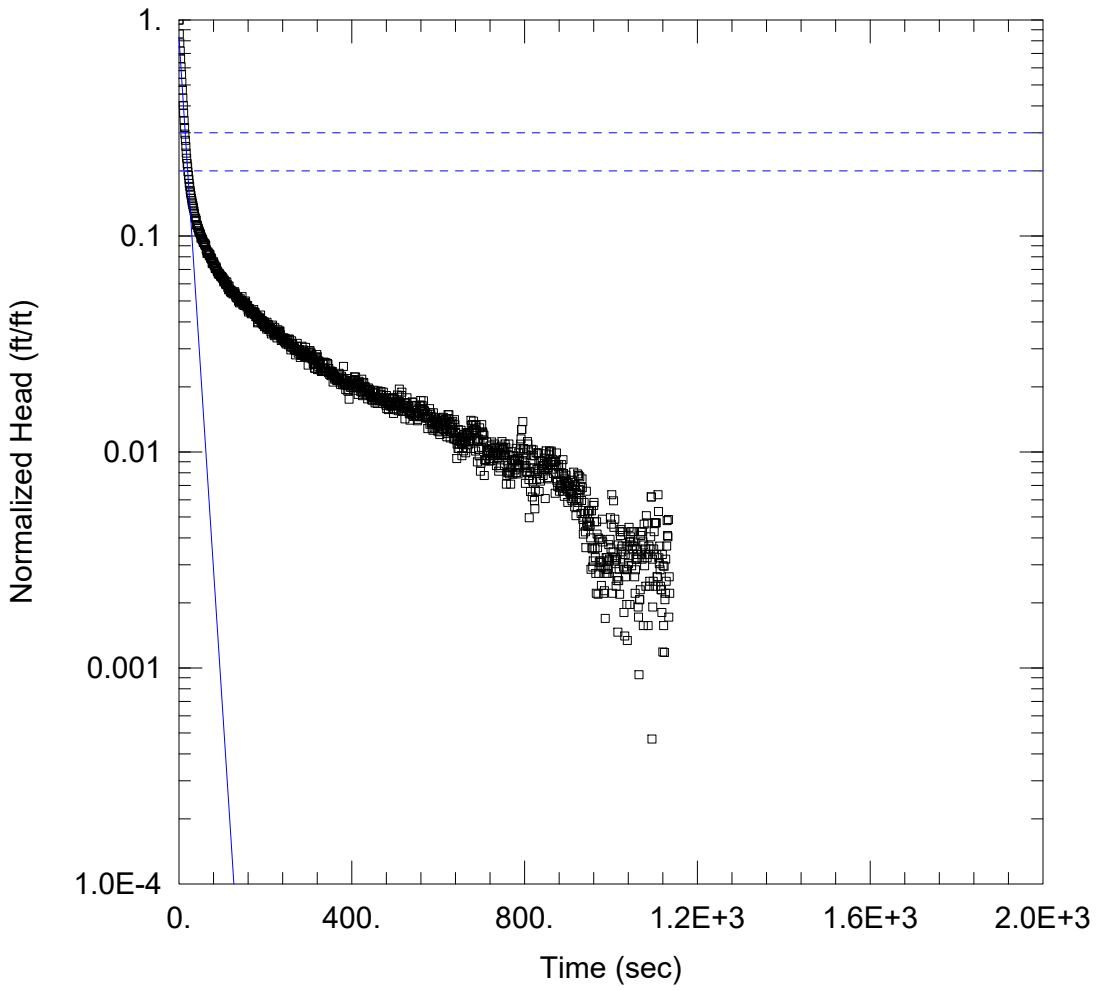
WELL DATA (PZ-NC)

Initial Displacement: 1.23 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 6.92 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 5.883 ft/day
y0 = 0.4785 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZNC slug out.aqt
Date: 03/08/22 Time: 14:49:15

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215131
Location: Channelview, TX
Test Well: PZ-NC
Test Date: 12/17/21

AQUIFER DATA

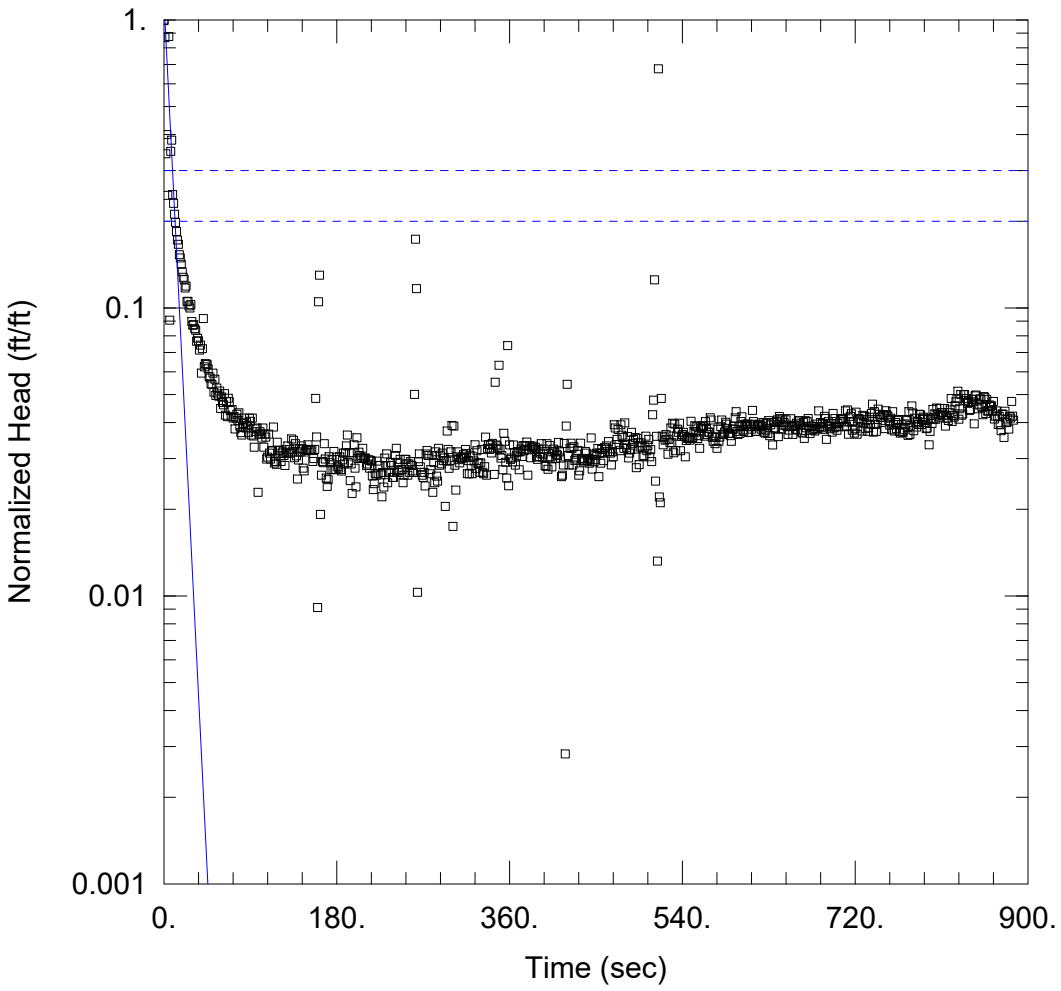
Saturated Thickness: 6.92 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-NC)

Initial Displacement: 1.255 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 6.92 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 7.611 ft/day
y0 = 1.045 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZNE slug in.aqt
Date: 03/08/22 Time: 14:49:45

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215702
Location: Channelview, TX
Test Well: PZ-NE
Test Date: 12/17/21

AQUIFER DATA

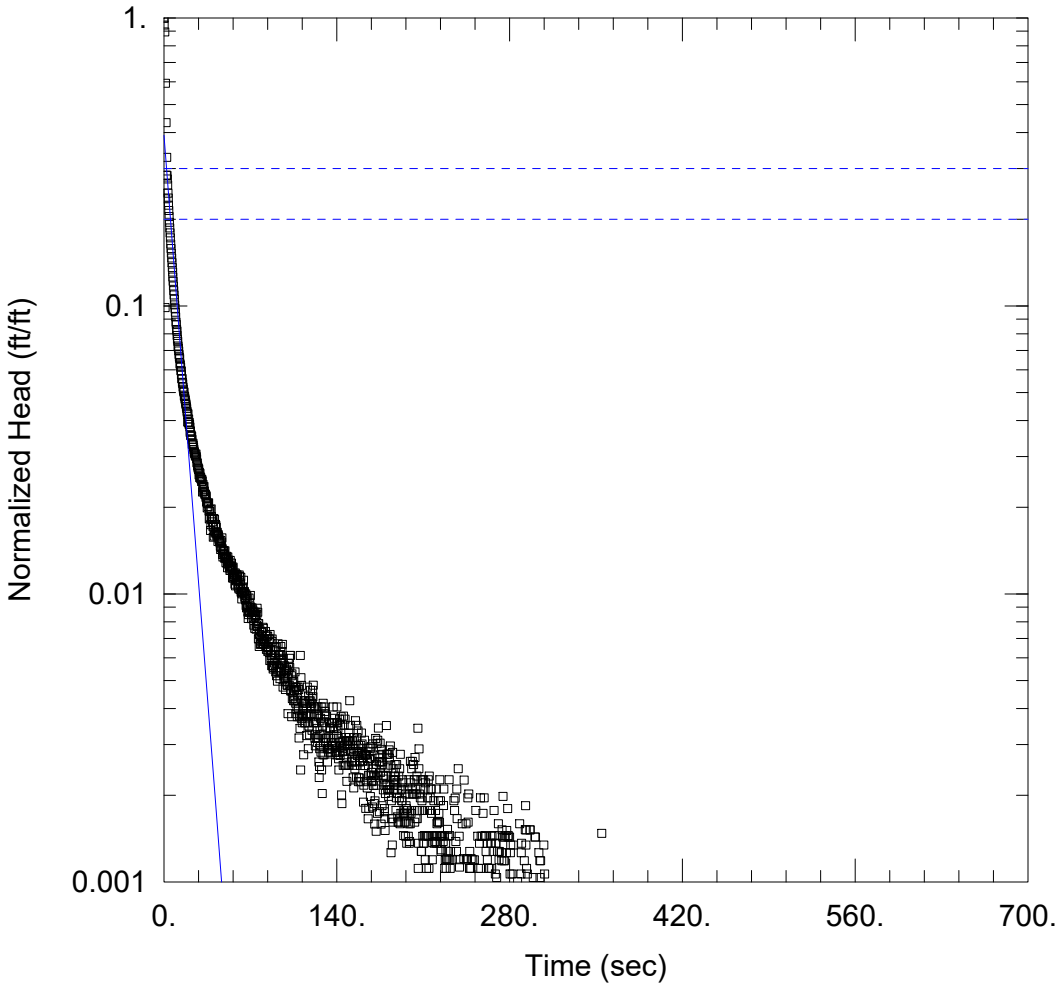
Saturated Thickness: 7.79 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-NE)

Initial Displacement: 0.47 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 7.79 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 14.97 ft/day
y0 = 0.5602 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZNE slug out.aqt
Date: 03/08/22 Time: 14:50:33

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215702
Location: Channelview, TX
Test Well: PZ-NE
Test Date: 12/17/21

AQUIFER DATA

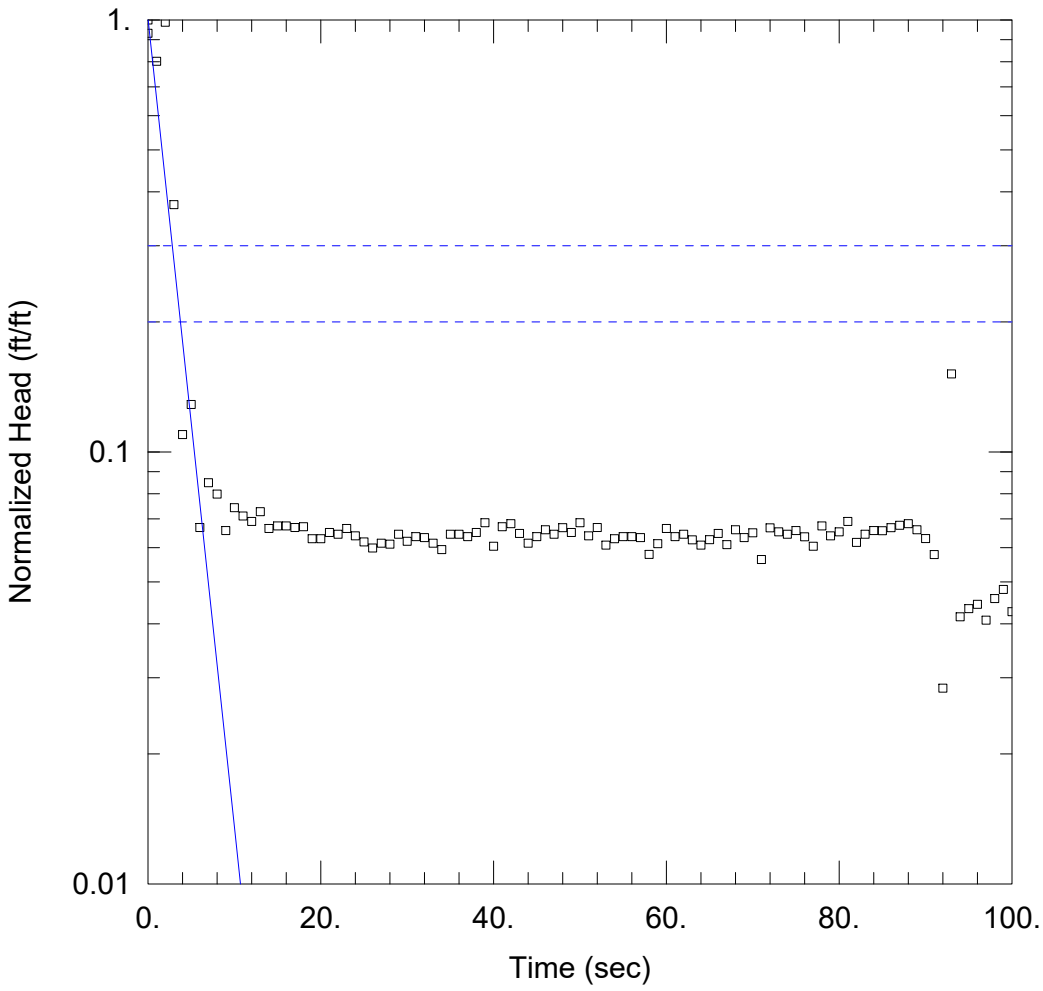
Saturated Thickness: 7.79 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-NE)

Initial Displacement: 2.06 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 7.79 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 12.32 ft/day
y0 = 0.8049 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZSC slug in.aqt
Date: 03/08/22 Time: 14:50:56

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215131
Location: Channelview, TX
Test Well: PZ-SC
Test Date: 12/17/21

AQUIFER DATA

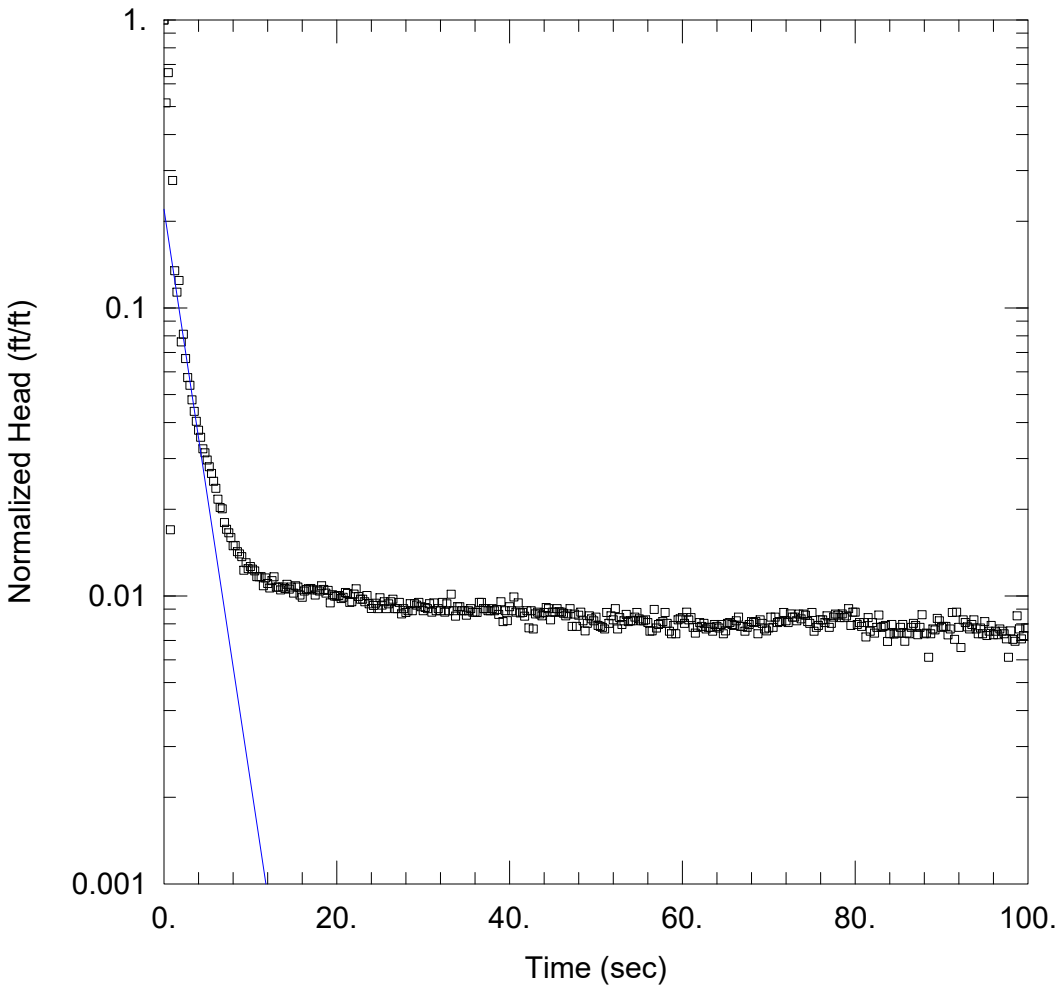
Saturated Thickness: 6.65 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-SC)

Initial Displacement: 0.45 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 6.65 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 47.8 ft/day
y0 = 0.454 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZSC slug out.aqt
Date: 03/08/22 Time: 14:52:07

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215131
Location: Channelview, TX
Test Well: PZ-SC
Test Date: 12/17/21

AQUIFER DATA

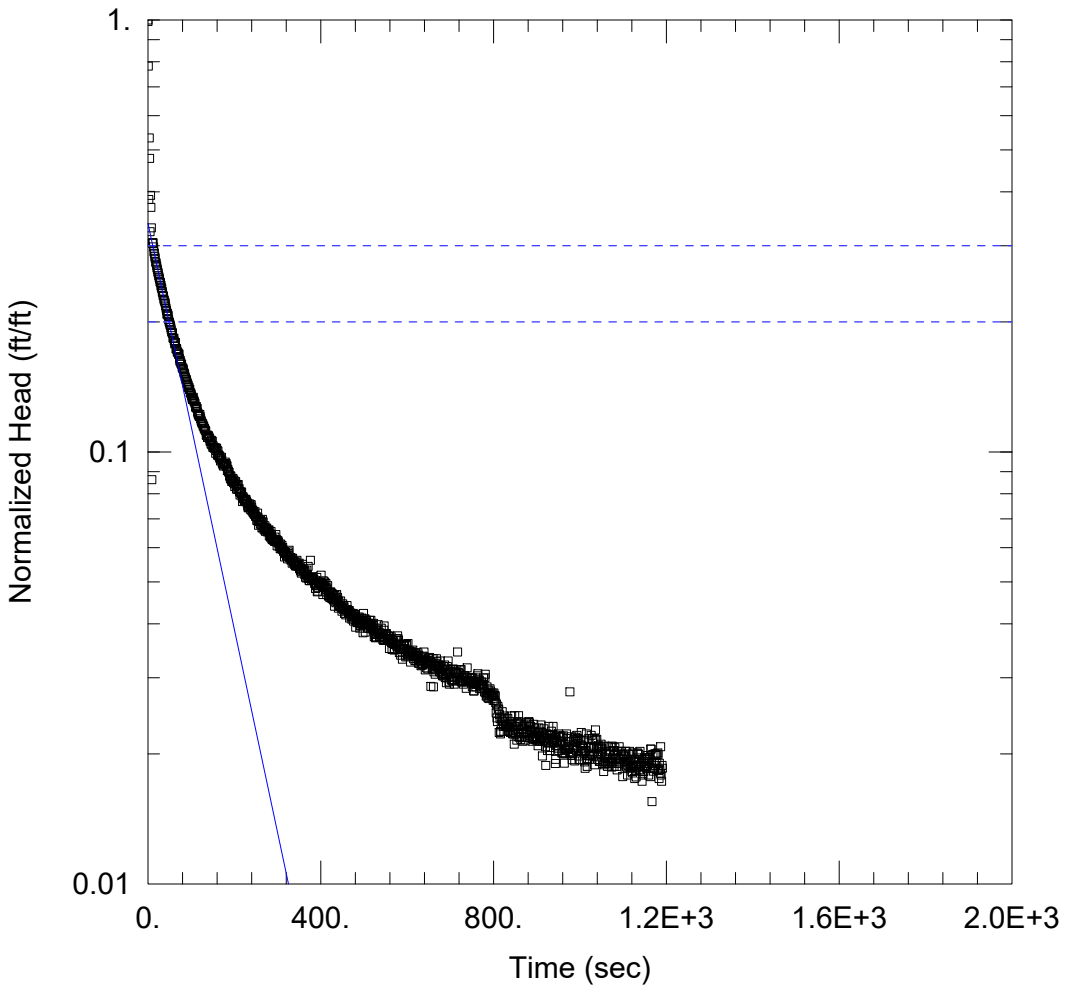
Saturated Thickness: 6.65 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-SC)

Initial Displacement: 2.54 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 6.65 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 50.71 ft/day
y0 = 0.5588 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZSW slug in.aqt
Date: 03/08/22 Time: 14:52:39

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215131
Location: Channelview, TX
Test Well: PZ-SW
Test Date: 12/17/21

AQUIFER DATA

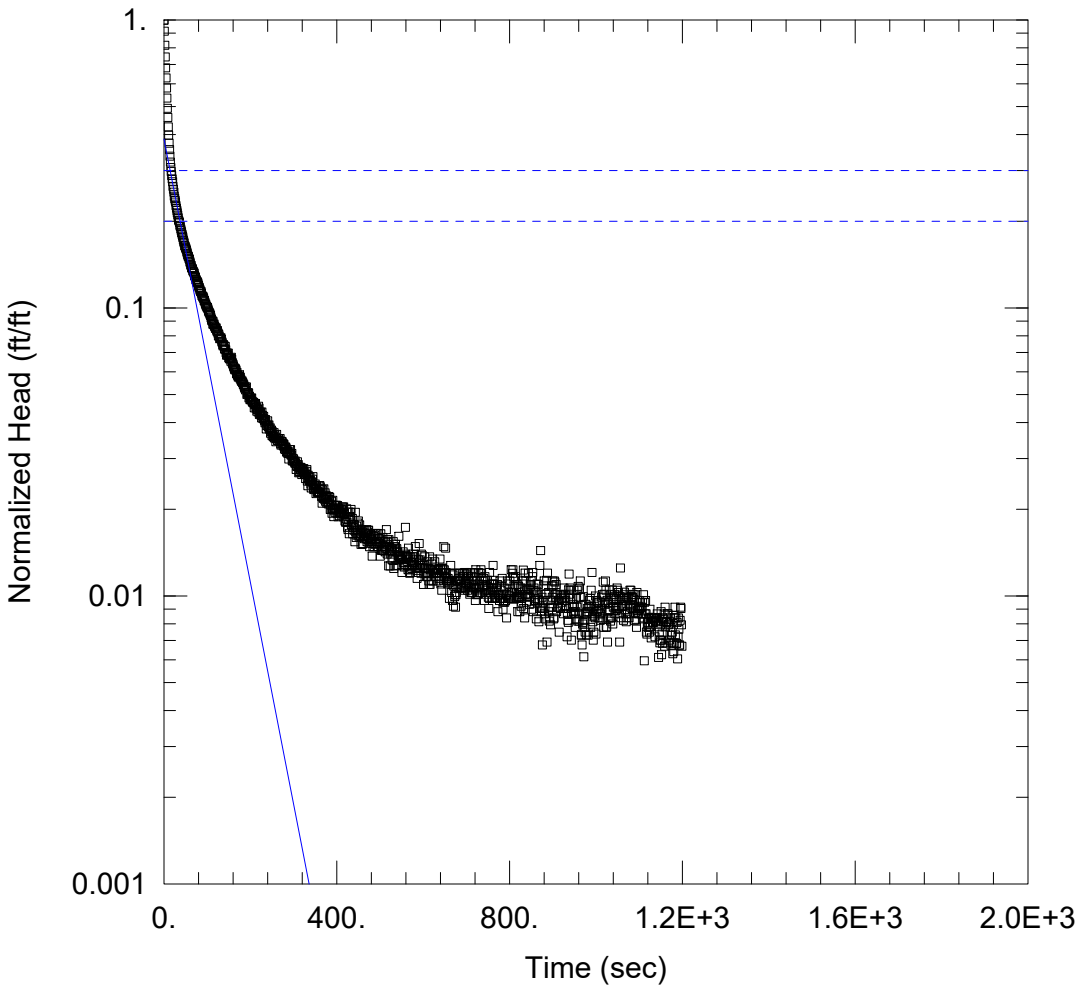
Saturated Thickness: 5.04 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-SW)

Initial Displacement: 0.96 ft Static Water Column Height: 5.04 ft
Total Well Penetration Depth: 10. ft Screen Length: 10. ft
Casing Radius: 0.08333 ft Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 1.524 ft/day y0 = 0.3246 ft



WELL TEST ANALYSIS

Data Set: C:\...\PZSW slug out.aqt
Date: 03/08/22 Time: 14:53:00

PROJECT INFORMATION

Company: GHD
Client: IPC
Project: 11215131
Location: Channelview, TX
Test Well: PZ-SW
Test Date: 12/17/21

AQUIFER DATA

Saturated Thickness: 5.04 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PZ-SW)

Initial Displacement: 1.05 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.08333 ft
Static Water Column Height: 5.04 ft
Screen Length: 10. ft
Well Radius: 0.3333 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 2.495 ft/day
y0 = 0.4051 ft

Appendix A-11

Supplemental Design Investigation Photographic Log

Site Photographs

Photo 1 ***View from airboat. Diver preparing to clear rock cap at boring location SJSB086.***

Photo 2 ***View from airboat. Diver installing a culvert pipe after clearing the rock cap at boring location SJSB104.***

Photo 3 ***Dive crew clearing the rock cap at various boring locations prior to drilling activities.***

Photo 4 ***Drill crew positioning a geoprobe drilling rig at boring location SJSB078.***

Photo 5 ***GHD personnel logging soil cores and collecting samples from boring SJSB083.***

Photo 6 ***Drill crew positioning drill rig on Northern Impoundment at boring location SJSB076.***

Photo 7 ***Drill crew collecting soil cores at boring location SJSB099.***

Photo 8 ***Airboat and dive crews installing a large culvert to assist in clearing rock at boring location SJSB100.***

Photo 9 ***Airboat and dive crews installing a culvert at boring location SJSB097.***

Photo 10 ***Drill crew collecting soil cores from boring location SJSB081.***

Photo 11 ***GHD personnel collecting water velocity measurements near the turbidity curtain.***

Photo 12 ***Subcontractor welding a patch on the geomembrane liner following drilling activities at boring location SJSB078.***

Photo 13 ***Subcontractor conducting pressure meter tests at piezometer location SJMW-016.***

Photo 14 ***Drill crew installing piezometer SJMW-017.***

Photo 15 Transducer installed at location SJMW-016.

Photo 16 View from land, airboat drilling crew collecting soil cores from boring location SJSB098.

Photo 17 View from land, subcontractor crew installing turbidity curtain near boring location SJSB103.