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150 Boush Street, Suite 701
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October 1, 2019

Brian Murray
NAVFAC MIDLANT
1510 Gilbert St., Bldg. N26
Norfolk VA 23511-3095

Ref: Environmental Remedial Action Contract (RAC VII)
Contract N62470-16-D-9004, Task Order N4008518F6147

Subj: Transmittal, Final Tier II Sampling and Analysis Plan,
Site 1 - Former Drum Marshalling Area, NWIRP Bethpage

Dear Mr. Murray:

Enclosed is the Final Tier II Sampling and Analysis Plan for the Site 1 – Former Drum Marshalling Area, NWIRP Bethpage located in Bethpage, New York. Should you have any questions or comments, please do not hesitate to contact me at your convenience.

Sincerely,

William L. Deane, Jr., P.E.
Program Manager
E-mail: william.deane@APTIM.com
Direct line: 757-640-6956 office, 973-615-6635 cell
c.c.

Leo Tancreti – NSB New London (w/ enclosure)
Jason Pelton – NYSDEC (w/ enclosure)
Greg Pearman – NWIRP (w/ enclosure)
Monica L. Smeal – APTIM (w/o enclosure)

Final
Sampling and Analysis Plan/Quality Assurance Plan
Site 1 – Former Drum Marshalling Area
Naval Weapons Industrial Reserve Plant
Bethpage, New York

Contract Number: N62470-16-D-9004
Contract Task Order: F6147

Document Control Number: APTIM-9004- F6147-0001

October 2019

Submitted to:

NAVFAC Mid-Atlantic
Gilbert Street, Bldg N26
Norfolk, VA 23511

Submitted by:

APTIM Federal Services LLC
150 Boush Street, Suite 701
Norfolk, Virginia 23510

Final
Site 1 – Former Drum Marshalling Area
Naval Weapons Industrial Reserve Plant
Bethpage, New York

Contract Number: N62470-16-D-9004
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October 2019

Prepared by: _____ Date: _____
Natasha Sullivan
Project Chemist

Approved by: _____ Date: _____
William L. Deane, Jr., PE
Program Manager

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Executive Summary

Preface

APTIM Federal Services LLC (APTIM) has been contracted by the Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC) Mid-Atlantic to perform a remedial action at Site 1 – the Former Drum Marshalling Area at the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage located in Bethpage, New York. The purpose of the remedial action at Site 1 is to remove and dispose of Polychlorinated Biphenyl (PCB)-impacted soils to depths ranging from two feet below ground surface (ft bgs) to 30 ft bgs and install a reduced permeability cover to reduce leaching of contaminants from unsaturated soil to groundwater. This work will be completed under Contract No. N62470-16-D-9004, Contract Task Order (CTO) N4008518F6147. The work at Site 1 shall be executed to fulfill the requirements of the Operable Unit 4 (OU4) Record of Decision (ROD) (Navy, 2018). This work is being performed under the Navy Environmental Restoration Program (ERP). This SAP is not bound to the above-mentioned contractor or task order; however, it is bound to the site.

Included, is the SAP which provides the guidelines for the systematic data collection and analysis associated with this project. In accordance with the Uniform Federal Policy for Quality Assurance Project Plans (UFP-QAPP, 2005) and the Department of Defense (DoD) Policy and Guidelines for Acquisitions Involving Environmental Sampling or Testing, this SAP includes 20 worksheets that detail various aspects of the environmental investigation process and establishes protocols to allow for comparability and defensibility of sampling and analytical data. This UFP-QAPP adheres to the program requirements of Chapter 25 of OPNAVINST 5090.1D, IR-CDQM and the DoD Quality Systems Manual for Environmental Laboratories (DoD QSM), Version 5.0. July 2013. SGS North America Inc. – Dayton NJ has current National Environmental Laboratories Accreditation Conference (NELAC), and the DoD Environmental Laboratory Accreditation Program (ELAP) accreditation.

Background

The former NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30-miles east of New York City. NWIRP Bethpage is bordered on the north, west, and south by property owned, or formerly owned, by Northrop Grumman that covered approximately 500-acres, and, on the east, by a residential neighborhood (Figure 1).

Site 1 is situated along the eastern boundary of the former NWIRP Bethpage and is a relatively flat area with a four-foot vegetated windrow located along the eastern end of the site and is mounded on the north by a partially buried abandoned sanitary settling tank (Figure 2).

The land surrounding the 9-acre Bethpage facility in all directions is primarily industrial and residential. Operations at the Site 1 are currently limited to environmental investigations, control of vegetation and fence repair. Security is provided by Steel Equities.

The former NWIRP Bethpage was located adjacent to the Grumman facility, and was operated by Grumman and later Northrop Grumman from 1942 to the mid-1990s. The plant's primary mission was the research prototyping, testing, design engineering, fabrication, and primary assembly of military aircraft. In 1996, operations ended at the facility. At that time, the NWIRP was approximately 109.5 acres in size. In 2002, 4.5-acres of the property were transferred to Nassau County and in February 2008, transferred an additional 96-acres of the remaining 105-acre main parcel to Nassau County. The remaining 9-acre parcel is being retained by the Navy for environmental investigation and remediation.

From the early 1950's to 1978, drums containing liquid wastes were stored on a cinder-covered area over a cesspool leach field. This leach field may have been used to discharge process wastewater. In 1978, the drum storage area was moved a few yards to the south to a 100- by 100- foot concrete pad. In 1982, the drum storage area was moved to its present location at Site 3. Transformers and PCB-filled autoclaves were also stored at the site. The waste drums reportedly contained chlorinated and non-chlorinated solvents, and liquid cadmium and chromium wastes. In addition, underlying most of Site 1 are approximately 120 abandoned cesspools that were designed to discharge sanitary wastewaters from Plant No. 3 that were in use from the early 1950s to 1978.

Background (Continued)

In June/July 2009, buildings, tanks, and concrete aprons within the fenced portion of Site 1 were demolished and disposed/recycled offsite.

In 2012, at the request of the property leases to allow additional parking for facility tenants and with concurrence from New York State of Environmental Conservation (NYSDEC), the southern section of the Site 1 interior facility fence was moved to the north approximately 100-feet and the western section of the fence was moved to the east approximately 30-feet. This new access area was covered with gravel and asphalt in accordance with the Operable Unit 1 ROD (NYSDEC, 1995). In April 2012, the current property owner, Steel Equities, uncovered two intact Underground Storage Tanks (USTs) that were found to contain residual solvent material. The USTs and contents were removed in September 2012 and post-removal soil samples were collected. As of 2013, the area within the interior facility fence is lightly vegetated soil.

Figure 1 – General Location Map

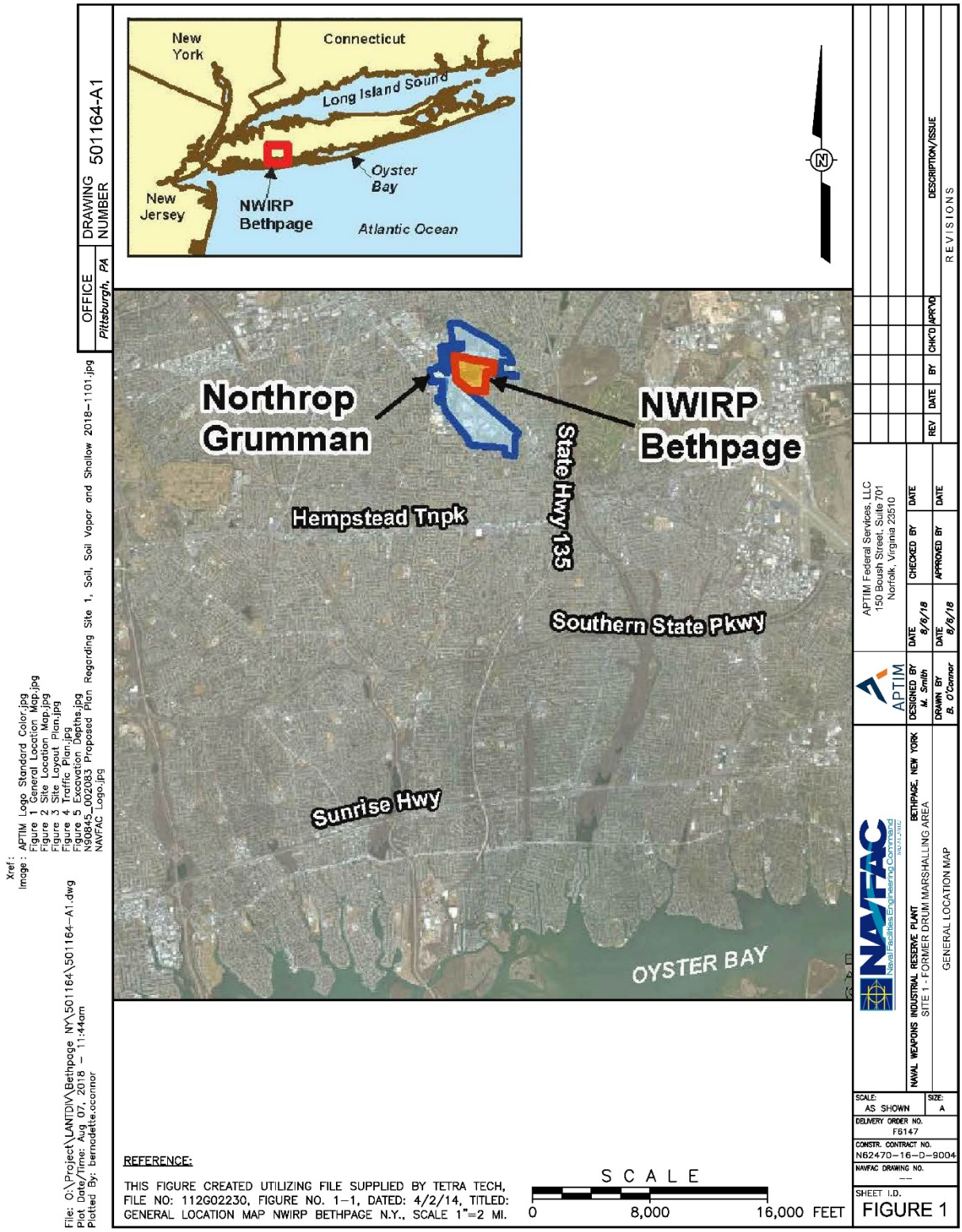


Figure 2 – Site Location Map

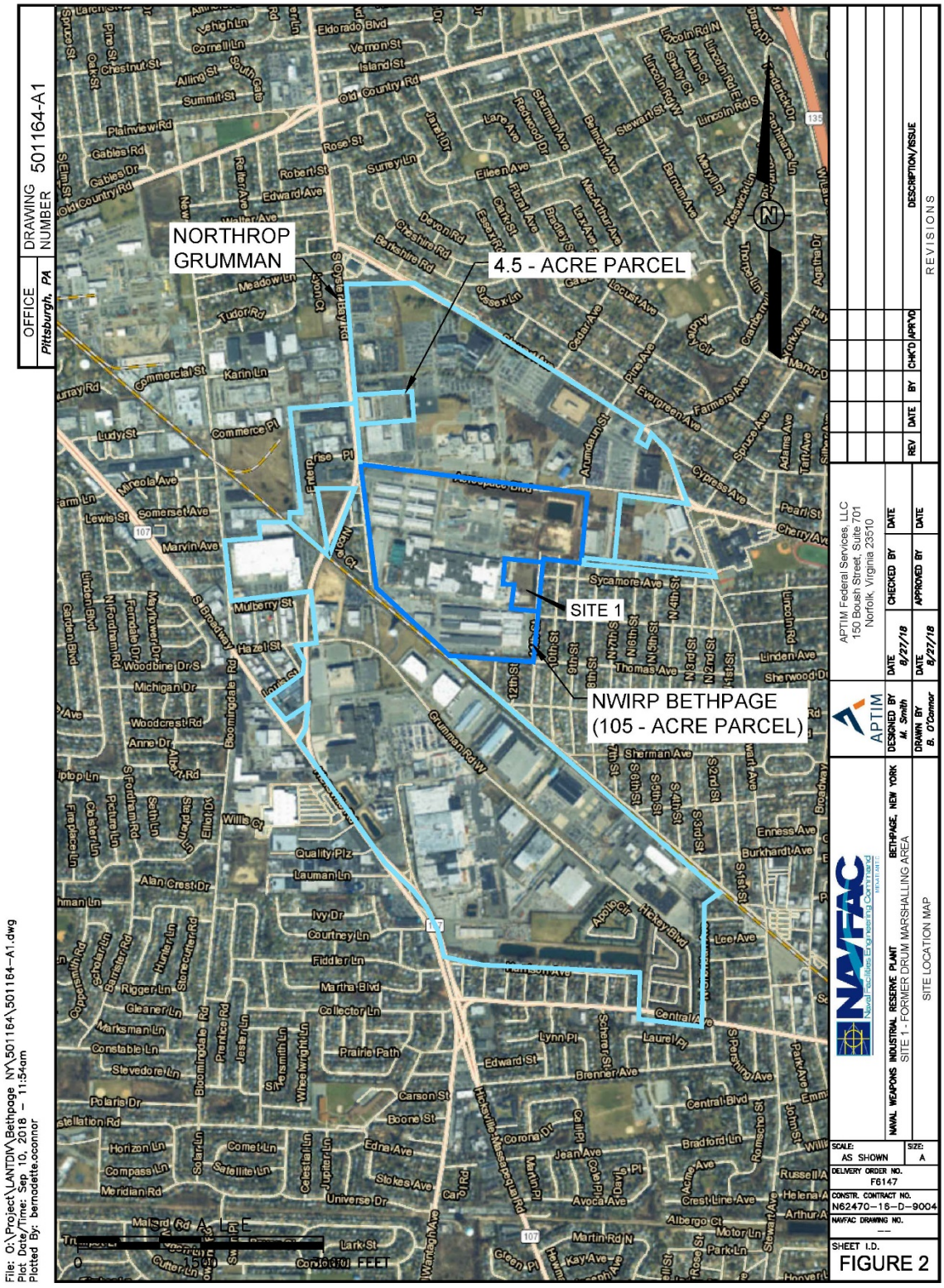
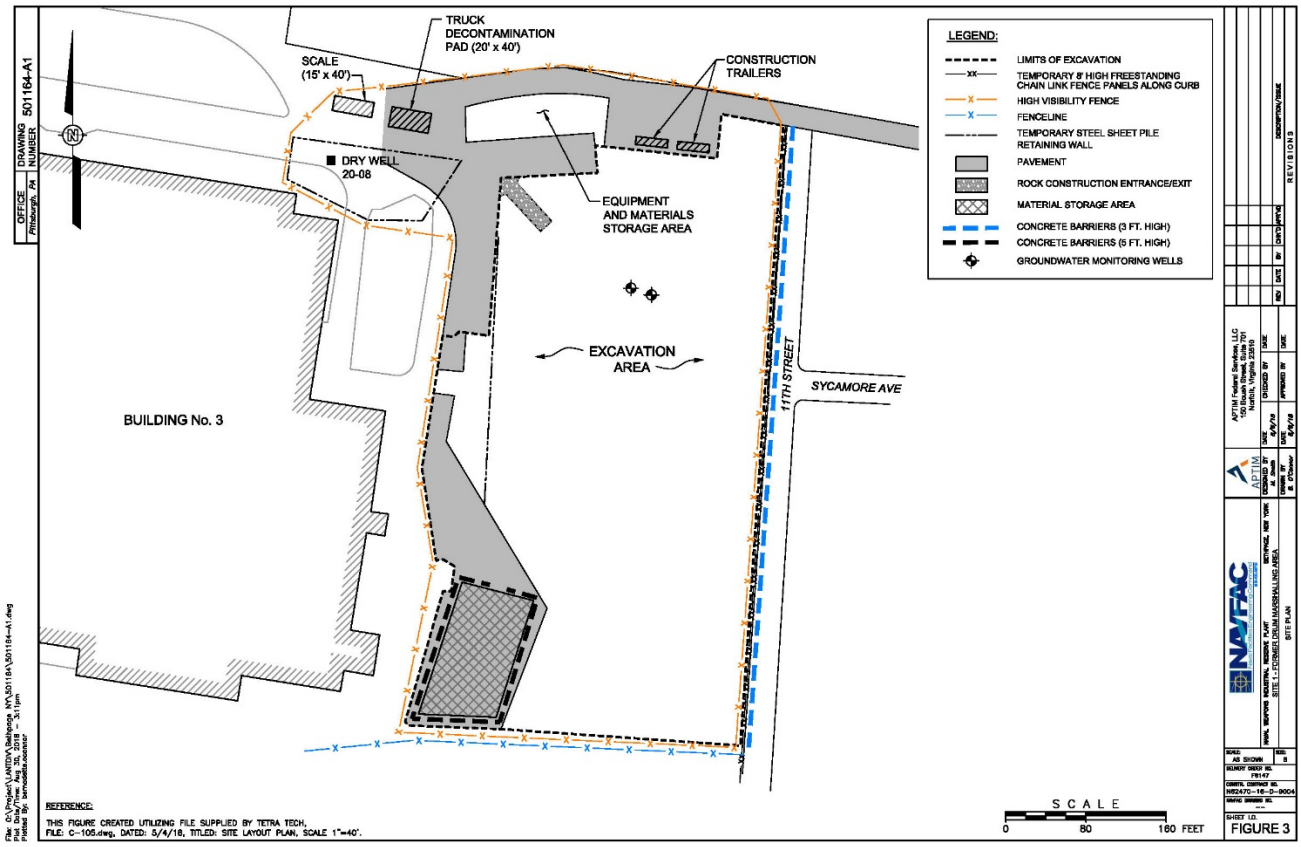


Figure 3 – Site Plan



Acronyms and Abbreviations

bgs	below ground surface
CCR	Construction Completion Report
CCV	continuous calibration verification
COC	chemical of concern, *or* chain of custody record (depending on context)
CTO	Contract Task Order
DL	detection limit
DoD	Department of Defense
DoD QSM	DoD Quality Systems Manual for Environmental Laboratories
ELAP	Environmental Laboratory Accreditation Program
ER	Environmental Restoration
ERA	Ecological Risk Assessment
ER, N	Environmental Restoration, Navy
ERP	Environmental Restoration Program
H&S	health and safety
HSP	Health and Safety Plan
LCS	laboratory control sample
LOD	level of detection limit
LOQ	level of quantitation limit
µg/L	micrograms per liter
µg/kg	micrograms per kilogram
µm	micrometer
MB	method blank
mg/kg	milligrams per kilogram
ml	milliliter
MS/MSD	matrix spike/matrix spike duplicate
N/A	not applicable
NAVFAC	Naval Facilities Engineering Command
Navy	Department of the Navy
NELAC	National Environmental Laboratories Accreditation Conference
NWIRP	Naval Weapons Industrial Reserve Plant
NYCCR	New York Codes, Rules and Regulations
NYSDEC	New York State of Environmental Conservation
PAH	petroleum aromatic hydrocarbon
PCBs	Polychlorinated biphenyls
PDF	portable document format
PDS	post-digestion spike
PID	photoionization detector
PM	Project Manager
POC	point of contact
QA	quality assurance
QAO	Quality Assurance Officer
QAPP	Quality Assurance Project Plan
QC	quality control
QSM	Quality Systems Manual (DoD)
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
RPD	Relative Percent Difference
RPM	Remedial Project Manager
RRT	relative retention time
RT	Retention Time
SAP	Sampling and Analysis Plan
SOP	standard operating procedure
SVOC	semi-volatile organic compound

Acronyms and Abbreviations (continued)

TAGM	Technical and Administrative Guidance Memorandum
TBD	to be determined
TBN	to be named
TCLP	Toxicity characteristic leaching procedure
UFP	Uniform Federal Policy
UFP-SAP	Uniform Federal Policy Sampling and Analysis Plan (Navy)
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	volatile organic compound
%D	Percent Difference

Title and Approval Page

FINAL

TIER II SAMPLING AND ANALYSIS PLAN

Prepared: 10/09/2018
Revised: 01/11/2019
Draft Final: 02/01/2019
Final: 10/01/2019

Site 1 – Former Drum Marshalling Area
Naval Weapons Industrial Reserve Plant
Bethpage, New York

Prepared for:
Department of the Navy
NAVFAC Mid-Atlantic
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Norfolk, VA 23511

Prepared by:
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Prepared under:
Contract No: N62470-16-D-9004
Task Order No: F6147

Review Signature:

Natasha Sullivan, APTIM / Program Chemist
Signature/Date

Approval Signature:

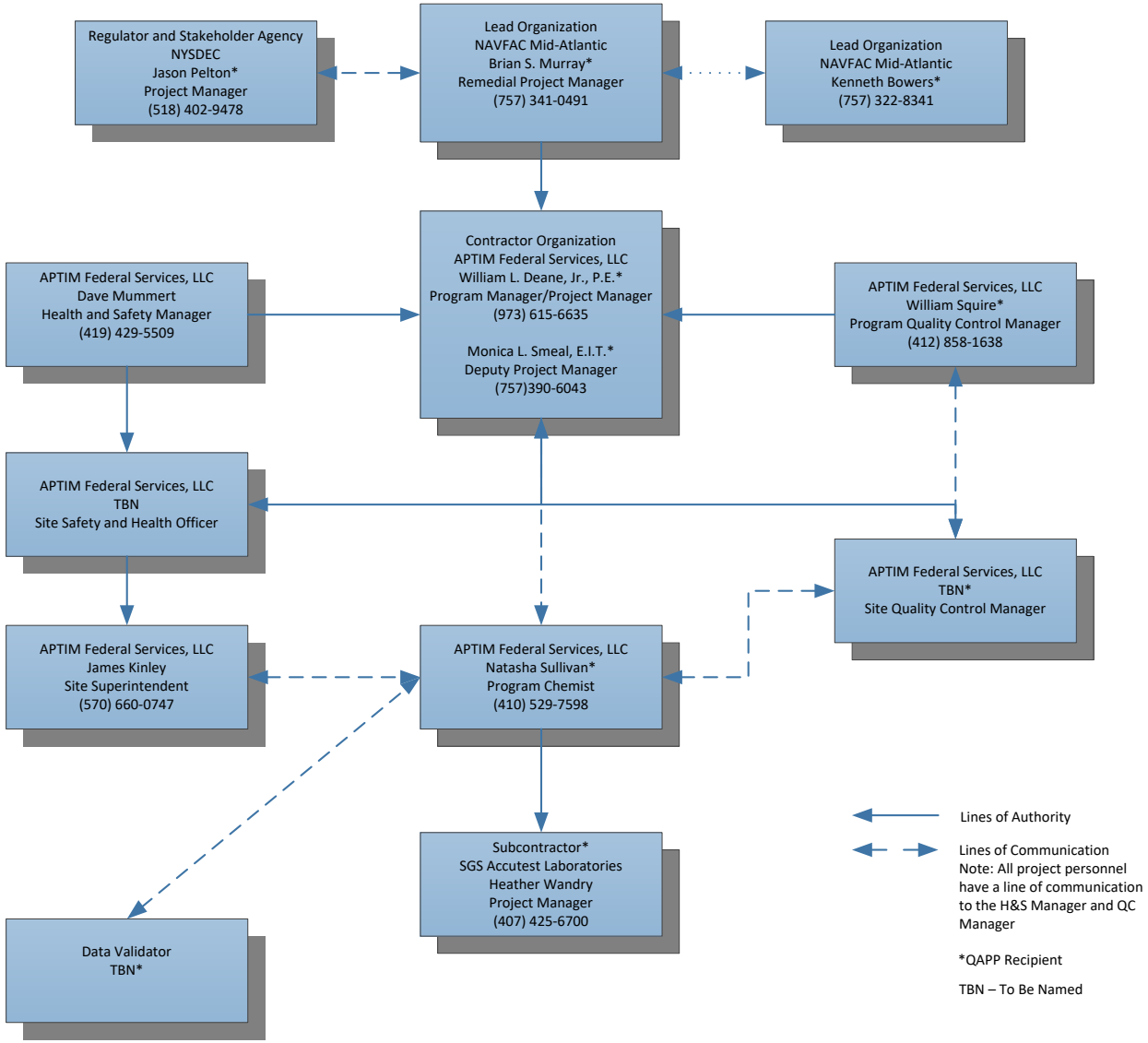
NAVFAC QAO / Chemist
Signature/Date

Approval Signature:

Brian S. Murray, NAVFAC Mid-Atlantic/RPM
Signature/Date

Note: Individual executed signatures will be provided on separate sheets in Appendix A.

Project Organizational Chart



Communication Pathways

Communication Drivers	Responsible Entity	Name	Phone Number / Email	Procedure (Timing, Pathway To/From, etc.)
Communication with Navy (lead agency) (i.e., NAVFAC Mid-Atlantic)	Remedial Project Manager	Brian Murray	(757) 341-0491 Brian.s.murray@navy.mil	Primary point of contact (POC) for Navy related to technical issues associated with verification sampling. RPM can delegate communication to other internal or external POCs.
Communication with Navy RPM	Navy Chemist	Kenneth Bower	(757) 322-8341 kenneth.a.bowers@navy.mil	If significant problems with the laboratory are identified, notify the Navy Chemist for evaluation to determine what corrective actions should be taken with respect to the accreditation process.
Communication with (New York State Department of Environmental Conservation) NYSDEC	NYSDEC	Jason Pelton	(518) 402-9478 jmpelton@gw.dec.state.ny.us	Primary POC for NYSDEC; can delegate communication to other internal or external POCs. Upon notification of field changes, NYSDEC will have 2 business days to approve or comment on the field changes. Responses will be communicated via email or phone.
Manage all project phases	Program Manager/Project Manager (PM)	William L. Deane, Jr., P.E.	(757) 640-6956 William.deane@aptim.com	The APTIM PM will communicate project-related information consistently. All information and materials about the field sampling and data interpretation efforts will be forwarded to the Navy RPM. The APTIM PM will communicate the status of the fieldwork to and will present the results of the data collection to the RPM. Any modifications to the field approach will be communicated to the RPM within 24 hours. Issues are to be reported to the RPM immediately and followed up in writing within 2 business days.
	Deputy Project Manager	Monica L. Smeal E.I.T.	(757) 640-6943 monica.smeal@aptim.com	
SAP Changes in the field	Site Superintendent	James Kinley	(570) 660-0747 James.kinley@aptim.com	Notify the APTIM PM by phone and e-mail of changes to the SAP made in the field and the reasons within 24 hours.
Daily Field Progress Reports	Site Superintendent	James Kinley	(570) 660-0747 James.kinley@aptim.com	Site Superintendent will provide daily reports to Project Manager fax, phone, or e-mail.
Reporting Lab Data Quality Issues	Laboratory Quality Assurance Officer	Svetlana Izosimova	(407) 425-6700 Svetlana.izosimova@sgs.com	All QA/QC issues with laboratory analyses will be reported to Project Chemist (Natasha Kelley Sullivan) within 2 business days.
Reporting Quality System Issues	Program QC Manager	William Squire, P.G	(619) 987-6557 william.squire@aptim.com	Periodic Quality System reviews are conducted once per quarter. Any issues discovered during these review processes are reported to the Program Manager and the Project Manager immediately and in writing within 2 business days. The need for corrective action for field issues will be reported by the Project QC Manager and documented in writing within 2 business days.

Communication Pathways (Continued)

Communication Drivers	Responsible Entity	Name	Phone Number / Email	Procedure (Timing, Pathway To/From, etc.)
Field Corrective Actions	Site Superintendent	James Kinley	(570) 660-0747 James.kinley@aptim.com	The need for corrective action for field issues will be reported by the Site Superintendent immediately to the Program Manager and Deputy Project Manager.
Site Health and Safety (H&S)	Site Safety and Health Officer	TBN	TBN	H&S affiliate is responsible for adherence to the site safety requirements described in the Health and Safety Plan (HSP). Will report H&S incidents and near misses to SM & PM. Responsible for onsite H&S reports and training records.
Quality Control (QC)	Project QC Manager	TBN	TBN	Responsible for ensuring compliance with work plans and design specifications. Reports the need for corrective action for field issues to the Project Manager and Program QC Manager immediately.
Lab Analytical Corrective Actions	Program Chemist	Natasha Sullivan	(410) 529-7598 natasha.kelleysullivan@aptim.com	Will determine the need for corrective actions for analytical issues. The corrective actions will be reported to the Program Manager and Deputy Project Manager within 2 business days. If significant problems are identified from the laboratory that impact the usability of the data the project chemist should inform the Navy within 5 days.
Release of Analytical Data	Program Chemist	Natasha Sullivan	(410) 529-7598 natasha.kelleysullivan@aptim.com	No analytical data will be released until verification is completed. Data will be verified by the Program Chemist within one business day of receipt from the laboratory.
SAP Amendments	Program Chemist	Natasha Sullivan	(410) 529-7598 natasha.kelleysullivan@aptim.com	Any major changes to the SAP must be approved by the Program Manager before the changes can be forwarded to the Navy RPM and Chemist for approval and will be forwarded to the Navy within 5 days of proposal. Major changes to the SAP will not be implemented unless approved by the Navy organizational partners.
Reporting Data Validation Issues Data Validation Corrective Actions	TBN	TBN	TBN	Conducts independent validation of analytical data received from laboratory per the project-specific SAP, DoD QSM, and SW-846 or EPA methodology. Assures the data end users of known and documented data quality.

Project Planning Session Participants Sheet

Project Name: Former Drum Marshalling Area Remedial Action for Contaminated Soil
Projected Date(s) of Sampling: March 2019 – November 2019
Project Manager: William Deane, PE
Date of Session:
Scoping Session Purpose:

Site Name: Site 1
Site Location: NWIRP Bethpage, NY

Name	Title	Affiliation	Phone #	E-mail Address	Project Role

Comments/Decisions:

Action Items:

Consensus Decisions:

No Scoping Sessions at this time.

Conceptual Site Model

The problem to be addressed by the project:

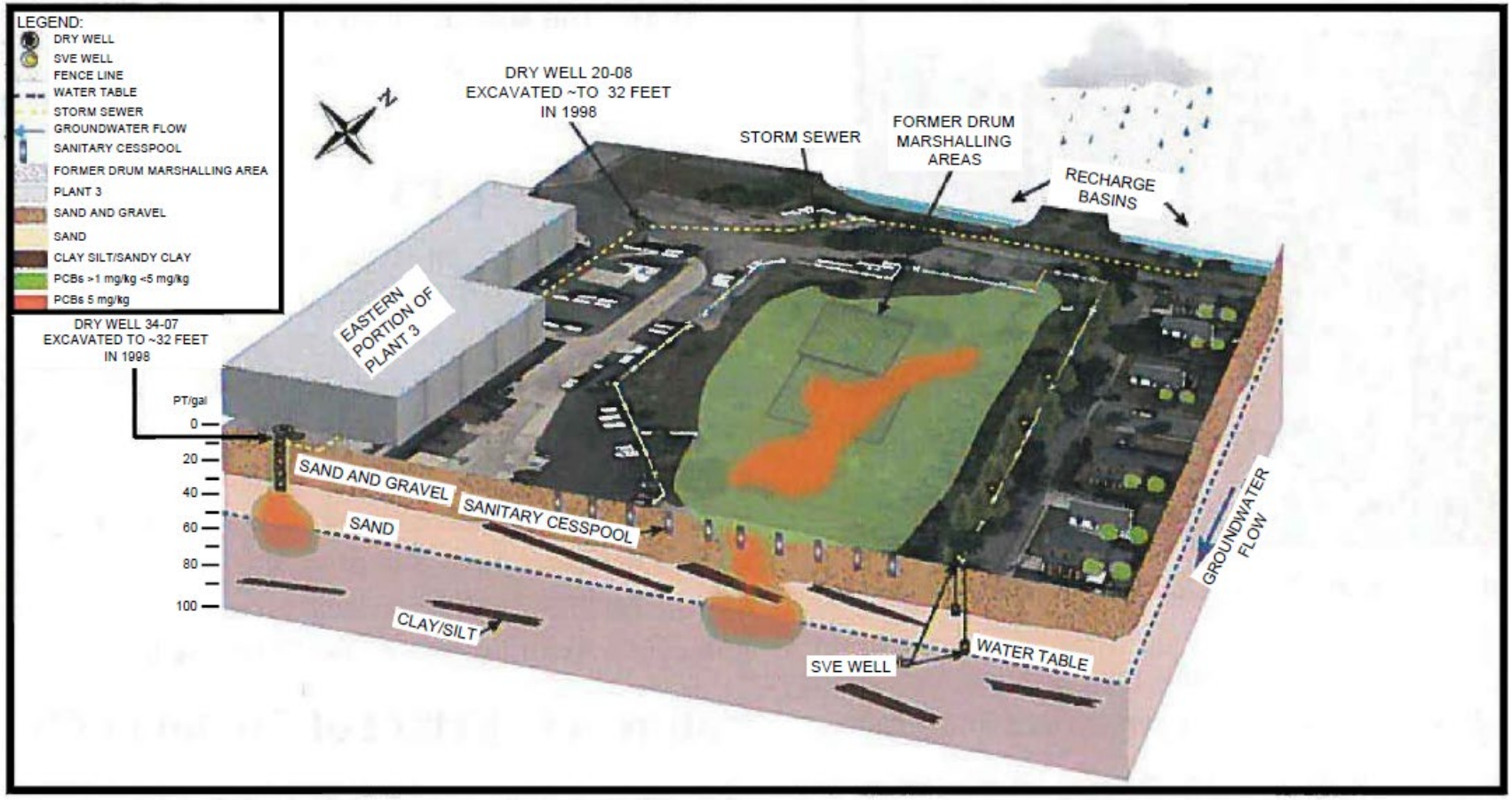
Site 1 was originally identified and investigated as part of the facility-wide investigations (Figure 2). A ROD for Site 1 soil was signed in 1995 to address PCB- and volatile organic compound (VOC) -contaminated soil (NYSDEC, 1995). Residual soil contamination noted in the ROD consists of metals, VOC, polynuclear aromatic hydrocarbon (PAH), and PCBs at concentrations greater than protective levels listed in Technical and Administrative Guidance Memorandum (TAGM) 4046. Levels of these constituents also exceed the NYSDEC Part 375 Soil Cleanup Objectives, an Applicable or Relevant Appropriate Requirements promulgated in 2006.

The remedial action at Site 1 is being conducted to address PCB-contaminated soils. The 2018 OU4 ROD selected remedy includes a limited excavation to remove and dispose of PCB-impacted soils and install a reduced permeability cover. The cover will reduce leaching of contaminants from unsaturated soil to the groundwater.

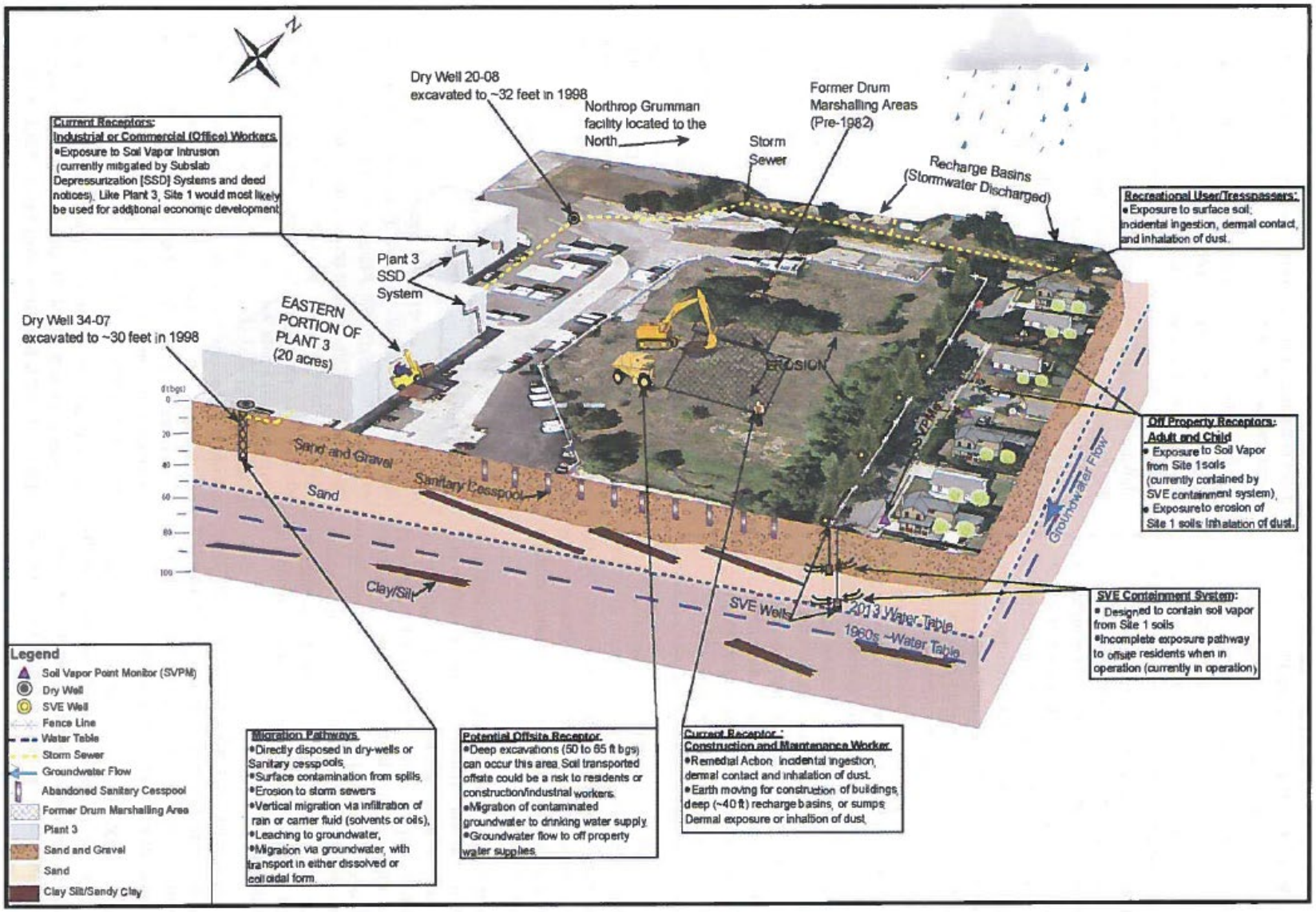
The limited excavation will be conducted to remove PCB-contaminated soil with concentrations greater than 1 milligram/kilogram (mg/kg) to a depth of two-ft bgs and 10-mg/kg to a depth of 10-ft bgs; and excavation of PCB-contaminated soil with concentrations greater than 50-mg/kg to a depth of 20-ft bgs at Site 1 and to a depth of 30-ft bgs at Dry Well 20-08 area (Figure 3). Other contaminants of concern identified during previous investigations collocated with PCBs will be removed as a result of excavation.

Due to extensive data collected during prior investigations and the requirements of the ROD, confirmation sampling is not required.

Conceptual Site Model
(Continued)



Conceptual Site Model
(Continued)



Data Quality Objectives/Systematic Planning Process Statements

The environmental questions being asked:

Will imported fill material be acceptable for use?
Will the waste materials be disposed of at the proper facilities?

Who will use the data?

Fill Material Samples:
The data will be used by the Navy and APTIM to ensure procurement of appropriate fill materials prior to importation onto the site.

Waste Characterization Samples:
APTIM and the disposal facilities will use the sample results to ensure proper disposal of impacted material.

What will the data be used for?

Fill Material Samples:
APTIM will use the results of the fill material analyses to ensure that no contaminants are brought onto the site. Sample results shall be reviewed and approved by the Navy and NYSDEC prior to placement.

Waste Characterization Samples:
APTIM will use the results of the waste characterization samples to determine the appropriate disposal facilities for the impacted materials.

What types of data are needed (matrix, target analytes, analytical groups, field screening, on-site analytical or off-site laboratory techniques, sampling techniques)?

- Matrix: soil, concrete and decontamination water
- Target Analytes: PCBs, Metals
- Analytical Groups: VOCs, Semivolatile Organic Compounds (SVOCs), PCBs, Metals, Pesticides
- Field Screening: Not required

Sample collection and handling Standard Operating Procedures (SOPs) are provided in the Field SOPs Reference Table. All samples will be analyzed by and off-site laboratory (SGS North America Inc. – Dayton, NJ). Refer to the Sample Details Tables for sample types, matrices, analytical groups, analytical method references, and laboratory SOPs.

Data Quality Objectives/Systematic Planning Process Statements (Continued)

How "good" do the data need to be in order to support the environmental decision?
To confirm that the analytical results meet the requirements of disposal facilities and fill import standards, the analytical methods used for all samples collected during this project will meet the requirements of United State Environmental Protection Agency (USEPA), NYSDEC, DoD QSM, and Navy guidance.

How much data are needed (number of samples for each analytical group, matrix)?
Refer to Worksheets 19 and 20 for sample types, matrices, analytical groups, methods, and laboratory SOPs for each type of sampling required for Site 1.

Where, when, and how should the data be collected/generated?
Fill Material Samples:
Fill material samples will be collected once, per vendor source and fill type of material, prior to importation. A combination of discrete grab and composite samples will be collected. Discrete samples will be collected and analyzed for VOCs. Composite samples will be collected and analyzed for SVOCs, inorganics, and PCBs/pesticides.

Waste Characterization Samples:
Waste characterization samples will be collected post-excavation. The excavated materials will be stockpiled in the material storage area. Excavated soils will be stockpiled in approximately 500-cubic yard (CY) piles and samples will be collected as five-point composites. Decontamination water will be stored in a 20,000-gallon storage tank and collected as discrete grab samples. Concrete will be stockpiled in approximately 500-CY piles and samples will be collected as five-point composites.

Who will collect and generate the data?
On-site APTIM personnel will collect the samples for all sample types. SGS North America Inc. - Dayton, NJ will analyze the samples per the methods shown on the Analytical SOP References table.

Data Quality Objectives/Systematic Planning Process Statements (Continued)

How will the data be reported?
To ensure the integrity of sample analytical data from the time of collection in the field to the tabulation of results, data documentation protocols will be implemented as outlined in the APTIM field collection and the analytical laboratory SOPs. This will include providing sample labels, chains-of-custody records, and field information forms to document field data and for comparing laboratory analysis reports with tabular displays and graphic displays to evaluate accuracy of the data transfer. A report will be prepared summarizing the data collection and the analytical results for each sampling event.

The data will be distributed to the APTIM Project Manager and Navy RPM.

How will the data be archived?
Upon completion of all field activities, APTIM will prepare a Construction Completion Report (CCR) documenting site activities and reporting all data. The analytical reports will be included in the final CCR. All analytical reports and CCR will be stored on the APTIM server in PDF format for a period of seven years. The server is backed up automatically and archived on tape daily, in accordance with federal regulations. APTIM will request that the laboratory provide data in the NIRIS format to allow for uploading.

Field Quality Control Samples

QC Sample	Analytical Group	Frequency	Data Quality Indicators (DQIs)	Measurement Performance Criteria
Fill Material Field Duplicate	All	1/20	Precision	RPD ≤ 50%

Notes: Field QC samples are not required for the soil, concrete and water disposal samples. Analytical results will be reviewed to determine the type of disposal facility required for each matrix. Blanks and duplicates would not add any value or change the disposal options in any way, and therefore will not be collected.

Sampling Design and Rationale

The rationale for inclusion of chemical and nonchemical analyses:

Excavated soil will be sampled at various times through the remedial action for waste characterization analysis from the stockpiled soil located on-site (Figure 3). Imported fill material will be sampled to ensure that the material is in accordance with the NYSDEC Restricted Use of Soil Cleanup Objectives for residential use effective December 14, 2006.

Confirmation Samples:
No Confirmation Samples will be collected. The excavation limits are driven by previously generated data packages and noted in the OU-4 ROD (Navy, 2018). Utilizing a Professional Surveyor, APTIM will locate the limits of excavation to the nearest tenth of a foot. Once excavation is completed, the area will be re-surveyed to ensure the limits have been reached. An As-Built will be provided as part of the Completion Report.

Fill Material Samples:
Fill material will be sampled at the source to ensure that no contaminants are brought onto the site. Samples will be analyzed for the NYSDEC Restricted Use Soil Cleanup Objectives for residential use provided as Table 375-6.8(b) in the 6 NYCRR Part 375 Environmental Remediation Programs, Subparts 375-1 to 375-4 & 375-6 effective December 14, 2006.

Waste Characterization Samples:
Waste characterization samples will be collected post-excavation to determine if the waste is classified as hazardous or nonhazardous for disposal purposes. The waste characterization soil samples will be analyzed for PCBs, ignitability, corrosivity, reactivity, Toxicity Characteristic Leaching Procedure (TCLP) metals, Target Compound List (TCL) VOCs, TCL SVOCs, pesticides, and herbicides. Additional sampling may be required based on disposal facility requirements.

Project decision conditions (If…, then…, @ statements):

Clean Fill Samples

All material to be brought to the site and used as clean fill will be analyzed prior to placement of the material. Samples of the proposed fill material will be collected based on the soil quantity and type of constituents identified in the table below and will be a combination of discrete and composites samples, collected as follows:

- For VOCs, only grab samples are allowed. These grab samples are one or more discrete samples taken from the fill, with the number as specified in the volatile column of Table 5.4(e)10 from the DER-10, Technical Guidance for Site Investigation and Remediation (issued on May 3, 2010) for the soil quantity in question, and analyzed for VOCs.

- For SVOCs, inorganics and PCBs/pesticides:
  - One or more composite samples are collected from the volume of soil identified in Table 5.4(e)10 from the DER-10, Technical Guidance for Site Investigation and Remediation (issued on May 3, 2010) for analysis, with each composite from a different location in the fill volume;

Sampling Design and Rationale

  - Each composite will comprise of three to five discrete samples collected from random locations from the volume of soil to be tested and analyzed for SVOCs, inorganic and PCBs/pesticide constituents.

Table 5.4(e)10
Recommended Number of Soil Samples for Soil Imported To or Exported From a Site

Contaminant	VOCs	SVOCs, Inorganics & PCBs/Pesticides	
Soil Quantity (cubic yards)	Discrete Samples	Composite	Discrete Samples/Composite
0-50	1	1	3-5 discrete samples from different locations in the fill being provided will comprise a composite sample for analysis
50-100	2	1	
100-200	3	1	
200-300	4	1	
300-400	4	2	
400-500	5	2	
500-800	6	2	
800-1000	7	2	
➢ 1000	Add an additional 2 VOC and 1 composite for each additional 1000 Cubic yards or consult with DER		

Clean fill samples will be analyzed in accordance with the NYSDEC Table 375-6.8(b) Restricted Use Soil Cleanup Objectives for residential use effective December 14, 2006.

IF the concentrations are equal to or less the NYSDEC Restricted Use Soil Cleanup Objectives, **THEN** the material is considered acceptable for use.

IF the concentrations **EXCEED** the NYSDEC Restricted Use Soil Cleanup Objectives, **THEN** the proposed fill material will be rejected and alternative fill source will be located and sampled.

Sampling Design and Rationale (Continued)

Waste Characterization Samples

Soil:

Approximately 33,320 CY of material from Site 1 will be excavated and require transportation and disposal. One five-point composite sample will be collected per 500 CY of soil excavated to characterize the soil for disposal. The purpose of the five point composite is to characterize the soil to be excavated by collecting a sample that would represent the average concentration of the soil to be disposed. The individual aliquots will be collected, transferred to a stainless steel bowl or disposable aluminum pan, and composited per the APTIM SOP.

Equal sample volumes from each of the grab samples will be used to form the composite sample. The volatile analysis shall be a grab sample from one of the locations that will comprise the composite sample and should not be homogenized.

The soil samples will be collected and analyzed for PCBs, ignitability, corrosivity, reactivity, TCLP metals, TCL VOCs, TCL SVOCs, pesticides, and herbicides to analyze the material for disposal. The analytical data will be compared to the New York Hazardous Waste Regulations, USEPA Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261-268), and PCB regulations (40 CFR 761) to determine if the concentrations exceed the regulatory requirements for land disposal.

Concrete:

One discrete grab sample will be collected per 500 CY of concrete removed from Site 1. Approximately 200 CY of concrete will be removed and require recycling.

A hammer and chisel or a hammer drill will be used to chip the sampling area to a maximum depth of ½-inch with a maximum chip size of ½-inch. Non-plastic bristle brushes will be used to sweep the sample onto a dustpan and transferred from the dustpan into the sample jar using the bristle brush. Concrete chip samples will be collected per the APTIM SOP.

The discrete grab concrete sample will be collected and analyzed for PCBs, ignitability, corrosivity, reactivity, TCLP metals, TCL VOCs, TCL SVOCs, pesticides, and herbicides to analyze the material for disposal. The analytical data will be compared to the recycling facility acceptance requirements. Due to the nature of the material, surrogate recovery during analysis may not be observed.

Sampling Design and Rationale (Continued)

Decontamination Water:

Approximately 30,000 gallons of decontamination water is anticipated to require transportation and disposal. Decontamination water generated throughout the project duration will be containerized in 20,000-gallon storage tanks. One discrete grab sample will be collected per storage tank of containerized decontamination water. The discrete grab sample will be collected directly from the storage tank.

The discrete sample will be collected and analyzed for PCBs, ignitability, corrosivity, reactivity, TCLP metals, TCL VOCs, TCL SVOCs, pesticides, and herbicides to analyze the material for disposal. The analytical data will be compared to the facility requirements for disposal.

IF the TCLP concentrations **DO NOT** exceed TCLP maximum contaminant concentrations and the PCB concentrations are equal to or less than 50-mg/kg of Total PCBs, **THEN** the material is not hazardous and can be transported to a permitted non-hazardous approved disposal facility.

IF the TCLP concentrations **EXCEED** the TCLP Maximum Contaminant Concentrations but the PCB concentrations **DO NOT** exceed 50-mg/kg of total PCBs, **THEN** the material is classified as a RCRA-hazardous material and will be disposed at an approved disposal facility.

IF the PCB concentrations **EXCEED** 50 mg/kg of total PCBs, **THEN** the material is classified as a TSCA-hazardous material and will be disposed in accordance with 40 CFR 761.60 at an approved disposal facility.

Field Project Tasks

Activity	Responsible Party	Planned Start Date	Planned Completion Date	Deliverable(s)	Deliverable Due Date
Remedial Action Work Plan Preparation	APTIM	July 2018	February 2019	Work Plan Document	February 2019
Sampling and Analysis Plan Preparation	APTIM	July 2018	February 2019	SAP Document	February 2019 Finalized October 2019
Mobilization and Site Setup	APTIM	February 2019	July 2019	NA	NA
Utility Relocation	TBD	March 2019	July 2019	As-Built Drawings	May 2019
Permits and Surveys	APTIM	December 2018	November 2019	Applicable Permits, Survey Figures	November 2019
Truck Scale Operation	APTIM	March 2019	November 2019	As-Built Drawings	November 2019
Excavation and Fill	APTIM	March 2019	December 2019	NA	NA
Geosynthetic Clay Liner	TBD	May 2019	October 2019	As-Built Drawings	October 2019
Sheet Piling	TBD	April 2019	August 2019	NA	NA
Backfilling	APTIM	June 2019	January 2020	NA	NA
Transportation and Disposal	TBD	April 2019	December 2019	Waste Manifests	December 2019
Waste Characterization Sampling	APTIM	March 2019	November 2019	Field Notes	NA
Site Restoration	APTIM	January 2020	March 2022	NA	NA
Demobilization	APTIM	January 2020	February 2020	NA	NA
Construction Completion Report	APTIM	February 2020	June 2020	Project Completion Report	June 2020

Field SOP Reference Table

SOP Reference Number[1]	Title, Revision Date and/or Number	Organizing Organization	Equipment Type	Modified for Project Work? (Y / N)	Comments
AMS-830-19-WI-30003	Decontamination of Contact Sampling Equipment, Issued for Interim Use, 7/30/2017	APTIM	NA	N	Standard to be implemented for decontamination of contact sampling equipment.
AMS-830-19-WI-32103	Trowel/Spoon Surface Soil Sampling, Issued for Interim Use, 7/30/2017.	APTIM	Trowel/Spoon	N	Methods/procedures for sampling of surface soils/sediment using trowels/spoons.
AMS-830-19-WI-36102	Sampling of In-Process Piles in Support of Environmental Investigation and Remediation	APTIM	Shovel, trowel, hand auger, trier	N	Statistically sound method for sampling piles of ≤ 500 cy. Collect number of samples shown on “Sampling Design and Rationale” above.
EID-FS-010	Sample Homogenization, Rev 2, 8/25/11	APTIM	NA	N	Establishes method for homogenizing soil, sediment, and other solid/semi-solid matrices so that a uniform matrix is available for sampling.
EID-FS-001	Field Logbook, Rev 2, 8/25/2011	APTIM	NA	N	This procedure is intended to communicate the requirements for selection, use, and maintenance for field logbooks.
EID-FS-003	Chain of Custody Documentation – Paper, Rev 2, 8/25/2011	APTIM	NA	N	Provides requirements for the completion of Chain of Custody documentation.
AMS-830-19-WI-30001	Shipping and Packaging of Non Hazardous Samples, Issued for Interim Use, 7/30/17	APTIM	Shipping Container	N	Includes procedure for completion and attachment of custody seals on environmental sample containers.
EID-FS-005	Custody Seals, Rev 2, 8/25/2011	APTIM	NA	N	Includes procedure for completion and attachment of custody seals on environmental samples and shipping containers.
EID-FS-006	Sample Labeling, Rev 2, 8/25/2011	APTIM	NA	N	Provides the requirements for completion and attachment of sample labels on environmental sample containers.
AMS-830-19-WI-36202	Chip Sampling in Support of Environmental Investigation and Remediation Projects, Issued for Interim Use, 7/30/2017	APTIM	Stainless steel chisel/hammer, electric hammer drill, bristle brush, dustpan	N	Methods/procedures for collection of chip samples form surface and near-surface areas of hard porous materials (such as concrete, brick, and wood) to determine the surface to near-surface (1/2-inch) contaminant distribution.
AMS-710-02-PR-01610	Identifying Underground Installations, Issued for Interim Use, 7/30/2017	APTIM	Hand-held utility locator, post-hole digger, air knife	N	These procedures provide methods for locating and clearing underground utilities.

[1] APTIM SOPs are subject to revision and updates during the project. The current versions of APTIM SOPs are maintained on APTIM net, the APTIM Corporate intranet site. Field personnel will access the most current version of the SOPs on APTIM net as required at the time of the field activity. ”EID” SOPs are Shaw E&I legacy documents that are maintained by APTIM, and are available on APTIM net.

Sample Details Tables

Solid Sample Details

Tentative Sampling Dates: March thru December, 2019 **SGS Accutest Inc** **2235 US Highway 130** **Dayton, NJ 08810** **732 329 0200**			**Analysis Group**	**PCBs**	**Metals**	**VOCs**	**SVOCs**	**Pesticides**	**Herbicides**	**IRC**
			Preparation and Analytical Method	3550 8082	3050 6010	5035 8260	3546 8270	3550 8081	3550 8151	SW846 chap 7
			Analytical Laboratory SOP Reference	EOP003 EGC8280A	EMP073 EMA6010D	EOP5035 EMS8260C	EOP3546 EMS8270D	EOP003 EGC8081	EOP003 EGC8151	EGN 140, 200, 228, 208
			Data Package Turnaround Time (days)	14	14	14	14	14	14	14
			Container type/ Volume required	8 oz glass	8 oz glass	8 oz glass	8 oz glass	8 oz glass	8 oz glass	8 oz glass
			Preservative	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC
			Holding Time (Preparation/ Analysis)	14 days/ 40 days	6 months	14 days	14 days/ 40 days	14 days/ 40 days	14 days/ 40 days	7 days
Site	**Matrix**	**Sample ID**	**Depth/ Sampling Interval**	See Sampling Design and Rationale Worksheet for sampling frequency (1 per a give number of cubic yards). Representative samples should be collected from each pile of disposal or clean fill material.						
1	Soil	NWIRP-S1-WC-S-001 thru -070		70	70	70	70	70	70	70
1	Concrete	NWIRP-S1-WC-C-001		1	1	1	1	1	1	1
1	Clean Fill	NWIRP-S1-WC-CF-001 thru whatever # is needed		35	35	73	35	35	0	0
Field QC Samples										
	Field Duplicate (clean fill matrix only)	NWIRP-S1-WC-CF-DUP-001 thru whatever # is needed		2	2	4	2	2	0	0
	Matrix spike/ matrix spike duplicate	Same as sample, with 3x volume		2	2	4	2	2	0	0
			Total number of samples to be sent to the Laboratory	110	110	110	110	110	71	71

IRC = Ignitability, reactivity, corrosivity.

Sample Details Tables (Continued)

Aqueous Sample Details

Tentative Sampling Dates:
March thru December, 2019

SGS North America Inc. – Dayton
2235 US Highway 130
Dayton, NJ 08810
732 329 0200

Site	Matrix	Sample ID	Analysis Group	PCBs	Metals	VOCs	SVOCs	Pesticides	Herbicides	IRC
			Preparation and Analytical Method	3510 8082	3010 6010	8260	3510 8270	3510 8081	3510 8151	SW846 Chap 7
			Analytical Laboratory SOP Reference	EOP001 EGC8280A	EMP070 EMA6010D	EMS8260C	EOP001 EMS8270D	EOP001 EGC8081	EOP001 EGC8151	EGN 140, 200, 228, 208
			Data Package Turnaround Time (days)	21	21	21	21	21	21	21
			Container type/ Volume required	2 x 1 L amber	1 L poly	3 x 40 ml vials	2 x 1 L amber	2 x 1 L amber	2 x 1 L amber	2 x 1 L poly
			Preservative	Cool to 4ºC	HNO_3 to pH < 2	HCl to pH < 2, cool to 4ºC	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC	Cool to 4ºC
			Holding Time (Preparation/ Analysis)	7 days / 40 days	6 months / mercury 28 days	14 days	7 days / 40 days	7 days / 40 days	7 days / 40 days	7 days
			Depth/ Sampling Interval	See Sampling Design and Rationale Worksheet for sampling frequency (1 per 20,000 gallons of decon water). Representative samples should be collected from each storage tank of water.						
1	Decontamination Water	NWIRP-S1-WC-DW-001 and -002		2	2	2	2	2	2	2
Field QC Samples										
NONE – these are waste disposal samples, field duplicate or blank results would not affect how the water is disposed.				0	0	0	0	0	0	0
			Total Number of Samples to the Laboratory	2	2	2	2	2	2	2

IRC = Ignitability, reactivity, corrosivity.

Worksheet #15.1 -- Reference Limits and Evaluation Table

Matrix: Solid Waste Characterization Samples
Analytical Group: PCBs SW-846 3550C/8082A

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Aroclor 1016	12674-11-2	50,000	40 CFR 761.61(a)(5)(i)(B)(2)	34	13	17	34	47-134	47-134	30	NA	NA
Aroclor 1221	11104-28-2			34	14	17	34	70-130	70-130	30	NA	NA
Aroclor 1232	11141-16-5			34	9.0	17	34	70-130	70-130	30	NA	NA
Aroclor 1242	53469-21-9			34	5.3	17	34	70-130	70-130	30	NA	NA
Aroclor 1248	12672-29-6			34	20	27	34	70-130	70-130	30	NA	NA
Aroclor 1254	11097-69-1			34	8.2	17	34	67-135	67-135	30	NA	NA
Aroclor 1260	11096-82-5			34	11	17	34	53-140	53-140	30	NA	NA
Total PCBs[1]	1336-36-3			34	5.3	17	34	70-130	70-130	30	NA	NA
Tetrachloro-m-xylene (s)	*877-09-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*44-130*	*NA*
Decachlorobiphenyl (s)	*2051-24-3*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-166*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample waste acceptance criteria are from 40 CFR 761.61(a)(5)(i)(B)(2)(*ii*), for bulk PCB remediation wastes sent for off-site disposal. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.2 -- Reference Limits and Evaluation Table

Matrix: Solid Waste Characterization Samples
Analytical Group: Ignitability SW846 1010A; Corrosivity as pH SW846 Chap 7; Cyanide Reactivity SW846 Chap 7; and Sulfide Reactivity SW846 Chap 7

Analyte	CAS Number	Waste Acceptance Criteria (mg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (mg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (mg/kg)	LODs (mg/kg)	LOQs (mg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Ignitability	NA	Flash point > 60 ºC	40 CFR 261.21	NA	NA	NA	NA	NA	NA	NA	NA	NA
Corrosivity as pH	NA	2.0 < pH < 12.5	40 CFR 261.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide Reactivity	NA	Total releasable CN < 250 mg HCN/kg waste	40 CFR 261.23	10	2.27	10	10	0.25-27	0.5-28	20	NA	NA
Sulfide Reactivity	NA	Total releasable sulfide < 500 mg H_2S/kg waste	40 CFR 261.23	100	58.85	80	100	42-107	20-82	20	NA	NA

NA = Not Applicable mg/kg = milligram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample waste acceptance criteria are based on 40 CFR 261.21, 261.22, and 261.23 solid waste ignitability, corrosivity, and reactivity characteristics. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.3 -- Reference Limits and Evaluation Table

Matrix: Solid and Aqueous Waste Characterization Samples
Analytical Group: Metals SW-846 1311/3010A/6010D/7470A;

Analyte[1]	CAS Number	Waste Acceptance Criteria (mg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (mg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg /l)	LODs (µg/l)	LOQs (µg /l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Arsenic	7440-38-2	5.0	Waste Acceptance Criteria	0.0050	0.0138	3.0	5.0	87-113	87-113	20	NA	NA
Barium	7440-39-3	100		0.20	0.0669	100	200	88-113	88-113	20	NA	NA
Cadmium	7440-43-9	1.0		0.0030	0.0052	2.0	3.0	88-113	88-113	20	NA	NA
Chromium	7440-47-3	5.0		0.010	0.0100	5.0	10.0	90-113	90-113	20	NA	NA
Lead	7439-92-1	5.0		0.0050	0.0090	3.0	5.0	86-113	86-113	20	NA	NA
Mercury	7439-97-6	0.20		0.00020	0.0952	0.15	0.20	82-119	82-119	20	NA	NA
Selenium	7782-49-2	1.0		0.010	0.0247	8.0	10.0	83-114	83-114	20	NA	NA
Silver	7440-22-4	5.0		0.010	0.0094	4.0	10.0	84-115	84-115	20	NA	NA

NA = Not Applicable mg/l= milligram/liter LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample waste acceptance criteria are based on 40 CFR 261.24, solid waste toxicity characteristics. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable detection limits (DLs), level of detection limits (LODs) and level of quantitations (LOQs) are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.4 -- Reference Limits and Evaluation Table

Matrix: Solid Waste Characterization Samples
Analytical Group: Volatiles by SW-846 5035A/8260C

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Acetone	67-64-1	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	10	5.0	7.5	10	36-164	36-164	20	NA	NA
Benzene	71-43-2	NA		0.50	0.38	0.40	0.50	77-121	77-121	20	NA	NA
Bromodichloromethane	75-27-4	NA		2.0	0.44	0.50	2.0	75-127	75-127	20	NA	NA
Bromoform	75-25-2	NA		5.0	0.40	1.0	5.0	67-132	67-132	20	NA	NA
2-Butanone (MEK)	78-93-3	NA		10	3.7	7.5	10	51-148	51-148	20	NA	NA
Carbon Disulfide	75-15-0	NA		2.0	0.93	1.0	2.0	63-132	63-132	20	NA	NA
Carbon Tetrachloride	56-23-5	NA		2.0	0.55	1.0	2.0	70-135	70-135	20	NA	NA
Chlorobenzene	108-90-7	NA		2.0	0.35	1.0	2.0	79-120	79-120	20	NA	NA
Chloroethane	75-00-3	NA		5.0	0.69	2.0	5.0	59-139	59-139	20	NA	NA
Chloroform	67-66-3	NA		2.0	0.5	0.50	2.0	78-123	78-123	20	NA	NA
Dibromochloromethane	124-48-1	NA		2.0	0.34	0.50	2.0	74-126	74-126	20	NA	NA
1,1-Dichloroethane	75-34-3	NA		1.0	0.39	0.50	1.0	76-125	76-125	20	NA	NA
1,2-Dichloroethane	107-06-2	NA		1.0	0.47	0.50	1.0	73-128	73-128	20	NA	NA
1,1-Dichloroethylene	75-35-4	NA		1.0	0.66	0.75	1.0	70-131	70-131	20	NA	NA
cis-1,2-Dichloroethylene	156-59-2	NA		1.0	0.96	1.0	1.0	77-123	77-123	20	NA	NA
trans-1,2-Dichloroethylene	156-60-5	NA		1.0	0.67	0.75	1.0	74-125	74-125	20	NA	NA
1,2-Dichloropropane	78-87-5	NA		2.0	0.41	1.0	2.0	76-123	76-123	20	NA	NA
cis-1,3-Dichloropropene	10061-01-5	NA		2.0	0.35	0.50	2.0	74-126	74-126	20	NA	NA
trans-1,3-Dichloropropene	10061-02-6	NA		2.0	0.33	1.0	2.0	71-130	71-130	20	NA	NA
Ethylbenzene	100-41-4	NA		1.0	0.55	0.75	1.0	76-122	76-122	20	NA	NA
2-Hexanone	591-78-6	NA		5.0	1.3	3.0	5.0	53-145	53-145	20	NA	NA
Methyl Bromide	74-83-9	NA		5.0	0.34	1.0	5.0	53-143	53-143	20	NA	NA
Methyl Chloride	74-87-3	NA		5.0	2.0	4.0	5.0	50-136	50-136	20	NA	NA
Methylene Chloride	75-09-2	NA		5.0	2.5	3.0	5.0	70-128	70-128	20	NA	NA
4-Methyl-2-pentanone	108-10-1	NA		5.0	1.6	2.0	5.0	65-135	65-135	20	NA	NA
Styrene	100-42-5	NA		2.0	0.58	1.0	2.0	76-124	76-124	20	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	NA		2.0	0.39	0.50	2.0	70-124	70-124	20	NA	NA
Tetrachloroethylene	127-18-4	NA		2.0	0.46	1.0	2.0	73-128	73-128	20	NA	NA
Toluene	108-88-3	NA		1.0	0.38	0.75	1.0	77-121	77-121	20	NA	NA
1,1,1-Trichloroethane	71-55-6	NA		2.0	0.43	1.0	2.0	73-130	73-130	20	NA	NA
1,1,2-Trichloroethane	79-00-5	NA		2.0	0.34	1.0	2.0	78-121	78-121	20	NA	NA
Trichloroethylene	79-01-6	NA		1.0	0.76	0.80	1.0	77-123	77-123	20	NA	NA
Vinyl Chloride	75-01-4	NA		2.0	0.47	1.0	2.0	56-135	56-135	20	NA	NA
Xylene (total)	1330-20-7	NA		1.0	0.58	0.75	1.0	78-124	78-124	20	NA	NA

Worksheet #15.4 -- Reference Limits and Evaluation Table (Continued)

Matrix: Solid Waste Characterization Samples
Analytical Group: Volatiles by SW-846 5035A/8260C

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Dibromofluoromethane (s)	*1868-53-7*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*75-127*	*NA*
1,2-Dichloroethane-d4 (s)	*17060-07-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*75-130*	*NA*
Toluene-d8 (s)	*2037-26-5*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*80-120*	*NA*
4-Bromofluorobenzene (s)	*460-00-4*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*79-127*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.5 -- Reference Limits and Evaluation Table

Matrix: Solid Waste Characterization Samples
Analytical Group: Semivolatiles by SW-846 3546/8270D

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Benzoic Acid	65-85-0	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	670	55	170	670	37-139	37-139	20	NA	NA
4-Chloro-3-methyl Phenol	59-50-7	NA		170	20	83	170	45-122	45-122	20	NA	NA
2-Chlorophenol	95-57-8	NA		67	16	33	67	34-121	34-121	20	NA	NA
2,4-Dichlorophenol	120-83-2	NA		170	28	83	170	40-122	40-122	20	NA	NA
2,4-Dimethylphenol	105-67-9	NA		170	59	83	170	30-127	30-127	20	NA	NA
2,4-Dinitrophenol	51-28-5	NA		170	130	130	170	41-117	41-117	20	NA	NA
4,6-Dinitro-o-cresol	534-52-1	NA		170	36	83	170	29-132	29-132	20	NA	NA
2-Methylphenol	95-48-7	NA		67	21	33	67	32-122	32-122	20	NA	NA
3&4-Methylphenol		NA		67	27	33	67	34-119	34-119	20	NA	NA
2-Nitrophenol	88-75-5	NA		170	22	83	170	36-123	36-123	20	NA	NA
4-Nitrophenol	100-02-7	NA		330	89	170	330	30-132	30-132	20	NA	NA
Pentachlorophenol	87-86-5	NA		130	31	83	130	25-133	25-133	20	NA	NA
Phenol	108-95-2	NA		67	17	33	67	34-121	34-121	20	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA		170	25	83	170	41-124	41-124	20	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA		170	20	83	170	39-126	39-126	20	NA	NA
Acenaphthene	83-32-9	NA		33	11	33	33	40-123	40-123	20	NA	NA
Acenaphthylene	208-96-8	NA		33	17	20	33	32-132	32-132	20	NA	NA
Anthracene	120-12-7	NA		33	20	25	33	47-123	47-123	20	NA	NA
Benzo(a)anthracene	56-55-3	NA		33	9.4	17	33	49-126	49-126	20	NA	NA
Benzo(a)pyrene	50-32-8	NA		33	15	17	33	45-129	45-129	20	NA	NA
Benzo(b)fluoranthene	205-99-2	NA		11	15	17	11	45-132	45-132	20	NA	NA
Benzo(g,h,i)perylene	191-24-2	NA		33	17	17	33	43-134	43-134	20	NA	NA
Benzo(k)fluoranthene	207-08-9	NA		33	16	17	33	47-132	47-132	20	NA	NA
Benzyl Alcohol	100-51-6	NA		67	12	17	67	29-122	29-122	20	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA		67	13	17	67	46-124	46-124	20	NA	NA
Butyl benzyl phthalate	85-68-7	NA		67	8.1	33	67	48-132	48-132	20	NA	NA
Carbazole	86-74-8	NA		67	4.8	33	67	50-123	50-123	20	NA	NA
4-Chloroaniline	106-47-8	NA		170	12	33	170	17-106	17-106	20	NA	NA

Worksheet #15.5 -- Reference Limits and Evaluation Table (Continued)

Matrix: Solid Waste Characterization Samples
Analytical Group: Semivolatiles by SW-846 3546/8270D

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
bis(2-Chloroethoxy)methane	111-91-1	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	67	7.1	17	67	36-121	36-121	20	NA	NA
bis(2-Chloroethyl)ether	111-44-4	NA		67	14	17	67	31-120	31-120	20	NA	NA
2,2'-Oxybis(1-chloropropane)	108-60-1	NA		67	12	17	67	22-134	22-134	20	NA	NA
2-Chloronaphthalene	91-58-7	NA		67	7.9	33	67	41-114	41-114	20	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA		67	11	17	67	45-121	45-121	20	NA	NA
Chrysene	218-01-9	NA		33	10	17	33	50-124	50-124	20	NA	NA
Dibenzo(a,h)anthracene	53-70-3	NA		33	15	17	33	45-134	45-134	20	NA	NA
Dibenzofuran	132-64-9	NA		67	14	17	67	44-120	44-120	20	NA	NA
1,2-Dichlorobenzene	95-50-1	NA		67	9.6	17	67	33-117	33-117	20	NA	NA
1,3-Dichlorobenzene	541-73-1	NA		67	7.1	17	67	30-115	30-115	20	NA	NA
1,4-Dichlorobenzene	106-46-7	NA		67	8.1	17	67	31-115	31-115	20	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA		67	28	33	67	22-121	22-121	20	NA	NA
Diethyl Phthalate	84-66-2	NA		67	7.1	17	67	50-124	50-124	20	NA	NA
Dimethyl Phthalate	131-11-3	NA		67	5.9	17	67	48-124	48-124	20	NA	NA
Di-n-octyl Phthalate	117-84-0	NA		67	8.3	17	67	45-140	45-140	20	NA	NA
Di-n-butyl Phthalate	84-74-2	NA		67	5.4	17	67	51-128	51-128	20	NA	NA
2,4-Dinitrotoluene	121-14-2	NA		33	10	17	33	48-126	48-126	20	NA	NA
2,6-Dinitrotoluene	606-20-2	NA		33	17	25	33	46-124	46-124	20	NA	NA
bis(2-Ethylhexyl)phthalate	117-81-7	NA		67	7.8	33	67	51-133	51-133	20	NA	NA
Fluoranthene	206-44-0	NA		33	15	17	33	50-127	50-127	20	NA	NA
Fluorene	86-73-7	NA		33	15	33	33	43-125	43-125	20	NA	NA
Hexachlorobenzene	118-74-1	NA		67	8.4	17	67	45-122	45-122	20	NA	NA
Hexachlorobutadiene	87-68-3	NA		33	13	17	33	32-123	32-123	20	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA		330	13	33	330	15-140	15-140	20	NA	NA
Hexachloroethane	67-72-1	NA		170	16	33	170	28-117	28-117	20	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	NA		33	16	33	33	45-133	45-133	20	NA	NA
Isophorone	78-59-1	NA		67	7.1	17	67	30-122	30-122	20	NA	NA
2-Methylnaphthalene	91-57-6	NA		33	7.5	17	33	38-122	38-122	20	NA	NA

Worksheet #15.5 -- Reference Limits and Evaluation Table (Continued)

Matrix: Solid Waste Characterization Samples
Analytical Group: Semivolatiles by SW-846 3546/8270D

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Naphthalene	91-20-3	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	33	9.4	17	33	35-123	35-123	20	NA	NA
2-Nitroaniline	88-74-4	NA		170	7.9	170	170	44-127	44-127	20	NA	NA
3-Nitroaniline	99-09-2	NA		170	8.3	170	170	33-119	33-119	20	NA	NA
4-Nitroaniline	100-01-6	NA		170	8.6	170	170	41-130	41-130	20	NA	NA
Nitrobenzene	98-95-3	NA		67	13	17	67	34-122	34-122	20	NA	NA
N-Nitrosodi-n-propylamine	621-64-7	NA		67	9.6	17	67	36-120	36-120	20	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA		170	12	33	170	38-127	38-127	20	NA	NA
Phenanthrene	85-01-8	NA		33	11	17	33	50-121	50-121	20	NA	NA
Pyrene	129-00-0	NA		33	11	17	33	47-127	47-127	20	NA	NA
1,2,4-Trichlorobenzene	120-82-1	NA		67	8.7	17	67	34-118	34-118	20	NA	NA
2-Fluorophenol (s)	*367-12-4*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*23-115*	*NA*
Phenol-d5 (s)	*4165-62-2*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*27-114*	*NA*
2,4,6-Tribromophenol (s)	*118-79-6*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*19-152*	*NA*
Nitrobenzene-d5 (s)	*4165-60-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*26-134*	*NA*
2-Fluorobiphenyl (s)	*321-60-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*39-124*	*NA*
Terphenyl-d14 (s)	*1718-51-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*36-134*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.6 -- Reference Limits and Evaluation Table

Matrix: Solid Waste Characterization Samples
Analytical Group: Pesticides SW-846 3550C/8081B

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Aldrin	309-00-2	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	0.67	0.55	0.55	0.67	45-136	45-136	30	NA	NA
alpha-BHC	319-84-6	NA		0.67	0.54	0.54	0.67	45-137	45-137	30	NA	NA
beta-BHC	319-85-7	NA		0.67	0.61	0.61	0.67	50-136	50-136	30	NA	NA
delta-BHC	319-86-8	NA		0.67	0.64	0.64	0.67	47-139	47-139	30	NA	NA
gamma-BHC (Lindane)	58-89-9	NA		0.67	0.49	0.49	0.67	49-135	49-135	30	NA	NA
alpha-Chlordane	5103-71-9	NA		0.67	0.54	0.54	0.67	54-133	54-133	30	NA	NA
gamma-Chlordane	5103-74-2	NA		0.67	0.30	0.34	0.67	53-135	53-135	30	NA	NA
Dieldrin	60-57-1	NA		0.67	0.46	0.50	0.67	56-136	56-136	30	NA	NA
4,4'-DDD	72-54-8	NA		0.67	0.62	0.62	0.67	56-139	56-139	30	NA	NA
4,4'-DDE	72-55-9	NA		0.67	0.59	0.59	0.67	56-134	56-134	30	NA	NA
4,4'-DDT	50-29-3	NA		0.67	0.59	0.59	0.67	50-141	50-141	30	NA	NA
Endrin	72-20-8	NA		0.67	0.52	0.52	0.67	57-140	57-140	30	NA	NA
Endosulfan sulfate	1031-07-8	NA		0.67	0.52	0.52	0.67	55-136	55-136	30	NA	NA
Endrin aldehyde	7421-93-4	NA		0.67	0.38	0.50	0.67	35-137	35-137	30	NA	NA
Endrin ketone	53494-70-5	NA		0.67	0.48	0.54	0.67	55-136	55-136	30	NA	NA
Endosulfan-I	959-98-8	NA		0.67	0.39	0.50	0.67	53-132	53-132	30	NA	NA
Endosulfan-II	33213-65-9	NA		0.67	0.42	0.50	0.67	53-134	53-134	30	NA	NA
Heptachlor	76-44-8	NA		0.67	0.58	0.58	0.67	47-136	47-136	30	NA	NA
Heptachlor epoxide	1024-57-3	NA		0.67	0.47	0.50	0.67	52-136	52-136	30	NA	NA
Methoxychlor	72-43-5	NA		1.3	0.53	0.53	1.3	52-143	52-143	30	NA	NA
Toxaphene	8001-35-2	NA		17	16	16	17	33-141	33-141	30	NA	NA
Tetrachloro-m-xylene (s)	*877-09-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*25-135*	*NA*
Decachlorobiphenyl (s)	*2051-24-3*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-156*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample p waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.7 -- Reference Limits and Evaluation Table

Matrix: Solid Waste Characterization Samples
Analytical Group: Herbicide SW-846 3546/ 8151A

Analyte	CAS Number	Waste Acceptance Criteria (µg/kg) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
2,4-D	94-75-7	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	34	23	27	34	28-144	28-144	30	NA	NA
2,4,5-TP (Silvex)	93-72-1	NA		6.7	5.7	6	6.7	43-129	43-129	30	NA	NA
2,4,5-T	93-76-5	NA		6.7	3.1	3.4	6.7	31-138	31-138	30	NA	NA
2,4-DCAA (s)	*19719-28-9*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-159*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Solid characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.8 -- Reference Limits and Evaluation Table

Matrix: Aqueous Waste Characterization Samples
Analytical Group: PCBs SW-846 3510C/8082A

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Aroclor 1016	12674-11-2	50,000	40 CFR 761.79(g)(5)	0.25	0.098	0.2	0.25	46-129	46-129	30	NA	
Aroclor 1221	11104-28-2			0.25	0.21	0.24	0.25	70-130	70-130	30	NA	
Aroclor 1232	11141-16-5			0.25	0.13	0.15	0.25	70-130	70-130	30	NA	
Aroclor 1242	53469-21-9			0.25	0.11	0.13	0.25	70-130	70-130	30	NA	
Aroclor 1248	12672-29-6			0.25	0.063	0.13	0.25	70-130	70-130	30	NA	
Aroclor 1254	11097-69-1			0.25	0.21	0.21	0.25	34-127	34-127	30	NA	
Aroclor 1260	11096-82-5			0.25	0.076	0.13	0.25	45-134	45-134	30	NA	
Total PCBs[1]	1336-36-3			0.25	0.063	0.13	0.25	70-130	70-130	30	NA	
Tetrachloro-m-xylene (s)	*877-09-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*11-166*	*NA*
Decachlorobiphenyl (s)	*2051-24-3*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-150*	*NA*

NA = Not Applicable *(s) = surrogate* µg/l = microgram/liter = ppb LOD = level of detection limit LOQ = level of quantitation limit

[1]Water characterization sample waste acceptance criteria are from 40 CFR 761.79(g)(5), for disposal of decontamination solvents (other than hydrocarbon solvents and chlorinated solvents). Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.9 -- Reference Limits and Evaluation Table

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Ignitability SW846 1010A; Corrosivity as pH SW846 Chap 7; Cyanide Reactivity SW846 Chap 7; and Sulfide Reactivity SW846 Chap 7

Analyte	CAS Number	Waste Acceptance Criteria (mg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (mg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (mg/l)	LODs (mg/l)	LOQs (mg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Ignitability	NA	NA – water characterization samples will not be ignitable.										
Corrosivity as pH	NA	2.0 < pH < 12.5	40 CFR 261.22	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide Reactivity	NA	Total releasable CN < 250 mg HCN/kg waste	40 CFR 261.23	0.20	0.20	0.20	0.20	80-20	75-125	20	NA	NA
Sulfide Reactivity	NA	Total releasable sulfide < 500 mg H_2S/kg waste	40 CFR 261.23	100	42.62	100	100	80-120	75-125	20	NA	NA

NA = Not Applicable mg/l = milligram/liter LOD = level of detection limit LOQ = level of quantitation limit

[1]Water characterization sample waste acceptance criteria are based on 40 CFR 261.21, 261.22, and 261.23 solid waste ignitability, corrosivity, and reactivity characteristics. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.10 -- Reference Limits and Evaluation Table

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Volatiles by SW-846 8260C

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Acetone	67-64-1	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	10	6.0	7.5	10	39-160	39-160	20	NA	NA
Benzene	71-43-2	NA		0.50	0.43	0.45	0.50	79-120	79-120	20	NA	NA
Bromodichloromethane	75-27-4	NA		1.0	0.58	0.75	1.0	79-125	79-125	20	NA	NA
Bromoform	75-25-2	NA		1.0	0.63	0.75	1.0	66-130	66-130	20	NA	NA
2-Butanone (MEK)	78-93-3	NA		10	6.9	7.5	10	56-143	56-143	20	NA	NA
Carbon Disulfide	75-15-0	NA		2.0	0.95	1.0	2.0	64-133	64-133	20	NA	NA
Carbon Tetrachloride	56-23-5	NA		1.0	0.55	0.75	1.0	72-136	72-136	20	NA	NA
Chlorobenzene	108-90-7	NA		1.0	0.56	0.75	1.0	82-118	82-118	20	NA	NA
Chloroethane	75-00-3	NA		1.0	0.73	0.75	1.0	60-138	60-138	20	NA	NA
Chloroform	67-66-3	NA		1.0	0.50	0.75	1.0	79-124	79-124	20	NA	NA
Dibromochloromethane	124-48-1	NA		1.0	0.56	0.75	1.0	74-126	74-126	20	NA	NA
1,1-Dichloroethane	75-34-3	NA		1.0	0.57	0.75	1.0	77-125	77-125	20	NA	NA
1,2-Dichloroethane	107-06-2	NA		1.0	0.6	0.75	1.0	73-128	73-128	20	NA	NA
1,1-Dichloroethylene	75-35-4	NA		1.0	0.59	0.75	1.0	71-131	71-131	20	NA	NA
cis-1,2-Dichloroethylene	156-59-2	NA		1.0	0.51	0.75	1.0	78-123	78-123	20	NA	NA
trans-1,2-Dichloroethylene	156-60-5	NA		1.0	0.54	0.75	1.0	75-124	75-124	20	NA	NA
1,2-Dichloropropane	78-87-5	NA		1.0	0.51	0.75	1.0	78-122	78-122	20	NA	NA
cis-1,3-Dichloropropene	10061-01-5	NA		1.0	0.47	0.50	1.0	75-124	75-124	20	NA	NA
trans-1,3-Dichloropropene	10061-02-6	NA		1.0	0.43	0.50	1.0	73-127	73-127	20	NA	NA
Ethylbenzene	100-41-4	NA		1.0	0.60	0.75	1.0	79-121	79-121	20	NA	NA
2-Hexanone	591-78-6	NA		5.0	2.0	3.5	5.0	57-139	57-139	20	NA	NA
Methyl Bromide	74-83-9	NA		2.0	1.6	1.8	2.0	53-141	53-141	20	NA	NA
Methyl Chloride	74-87-3	NA		1.0	0.76	1.0	1.0	50-139	50-139	20	NA	NA
Methylene Chloride	75-09-2	NA		2.0	1.0	1.5	2.0	74-124	74-124	20	NA	NA
4-Methyl-2-pentanone	108-10-1	NA		5.0	1.9	3.5	5.0	67-130	67-130	20	NA	NA
Styrene	100-42-5	NA		1.0	0.70	0.75	1.0	78-123	78-123	20	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	NA		1.0	0.65	0.75	1.0	71-121	71-121	20	NA	NA
Tetrachloroethylene	127-18-4	NA		1.0	0.90	0.90	1.0	74-129	74-129	20	NA	NA
Toluene	108-88-3	NA		1.0	0.53	0.75	1.0	80-121	80-121	20	NA	NA

Worksheet #15.10 -- Reference Limits and Evaluation Table (Continued)

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Volatiles by SW-846 8260C

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Acetone	67-64-1	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	10	6.0	7.5	10	39-160	39-160	20	NA	NA
1,1,1-Trichloroethane	71-55-6	NA		1.0	0.54	0.75	1.0	74-131	74-131	20	NA	NA
1,1,2-Trichloroethane	79-00-5	NA		1.0	0.53	0.75	1.0	80-119	80-119	20	NA	NA
Trichloroethylene	79-01-6	NA		1.0	0.53	0.75	1.0	79-123	79-123	20	NA	NA
Vinyl Chloride	75-01-4	NA		1.0	0.79	0.80	1.0	58-137	58-137	20	NA	NA
Xylene (total)	1330-20-7	NA		1.0	0.59	0.75	1.0	79-121	79-121	20	NA	NA
Dibromofluoromethane (s)	*1868-53-7*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*80-120*	*NA*
1,2-Dichloroethane-d4 (s)	*17060-07-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*81-124*	*NA*
Toluene-d8 (s)	*2037-26-5*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*80-120*	*NA*
4-Bromofluorobenzene (s)	*460-00-4*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*80-120*	*NA*

NA = Not Applicable *(s) = surrogate* µg/l = microgram/liter LOD = level of detection limit LOQ = level of quantitation limit

[1]Water characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.11 -- Reference Limits and Evaluation Table

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Semivolatiles by SW-846 3510C/8270D

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Benzoic Acid	65-85-0	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	20	2.0	5.0	20	10-110	10-110	20	NA	NA
4-Chloro-3-methyl Phenol	59-50-7	NA		5.0	0.89	2.5	5.0	52-119	52-119	20	NA	NA
2-Chlorophenol	95-57-8	NA		5.0	0.82	2.5	5.0	38-117	38-117	20	NA	NA
2,4-Dichlorophenol	120-83-2	NA		2.0	1.3	2.0	2.0	47-121	47-121	20	NA	NA
2,4-Dimethylphenol	105-67-9	NA		5.0	2.4	2.5	5.0	31-124	31-124	20	NA	NA
2,4-Dinitrophenol	51-28-5	NA		5.0	1.6	2.5	5.0	23-143	23-143	20	NA	NA
4,6-Dinitro-o-cresol	534-52-1	NA		5.0	1.3	2.5	5.0	44-137	44-137	20	NA	NA
2-Methylphenol	95-48-7	NA		2.0	0.89	1.0	2.0	30-117	30-117	20	NA	NA
3&4-Methylphenol		NA		2.0	0.88	1.0	2.0	29-110	29-110	20	NA	NA
2-Nitrophenol	88-75-5	NA		5.0	0.96	2.5	5.0	47-123	47-123	20	NA	NA
4-Nitrophenol	100-02-7	NA		10	1.2	2.5	10	10-113	10-113	20	NA	NA
Pentachlorophenol	87-86-5	NA		4.0	1.4	2.0	4.0	35-138	35-138	20	NA	NA
Phenol	108-95-2	NA		2.0	0.39	1.0	2.0	10-110	10-110	20	NA	NA
2,4,5-Trichlorophenol	95-95-4	NA		5.0	1.3	2.5	5.0	53-123	53-123	20	NA	NA
2,4,6-Trichlorophenol	88-06-2	NA		5.0	0.92	2.5	5.0	50-125	50-125	20	NA	NA
Acenaphthene	83-32-9	NA		1.0	0.19	0.50	1.0	47-122	47-122	20	NA	NA
Acenaphthylene	208-96-8	NA		1.0	0.14	0.50	1.0	41-130	41-130	20	NA	NA
Anthracene	120-12-7	NA		1.0	0.21	0.50	1.0	57-123	57-123	20	NA	NA
Benzo(a)anthracene	56-55-3	NA		1.0	0.20	0.50	1.0	58-125	58-125	20	NA	NA
Benzo(a)pyrene	50-32-8	NA		1.0	0.21	0.50	1.0	54-128	54-128	20	NA	NA
Benzo(b)fluoranthene	205-99-2	NA		1.0	0.21	0.50	1.0	53-131	53-131	20	NA	NA
Benzo(g,h,i)perylene	191-24-2	NA		1.0	0.34	0.50	1.0	50-134	50-134	20	NA	NA
Benzo(k)fluoranthene	207-08-9	NA		1.0	0.21	0.50	1.0	57-129	57-129	20	NA	NA
Benzyl Alcohol	100-51-6	NA		2.0	0.27	1.0	2.0	31-112	31-112	20	NA	NA
4-Bromophenyl phenyl ether	101-55-3	NA		2.0	0.40	0.50	2.0	55-124	55-124	20	NA	NA
Butyl benzyl phthalate	85-68-7	NA		2.0	0.46	0.50	2.0	53-134	53-134	20	NA	NA
Carbazole	86-74-8	NA		1.0	0.23	0.50	1.0	60-122	60-122	20	NA	NA
4-Chloroaniline	106-47-8	NA		5.0	0.34	1.0	5.0	33-117	33-117	20	NA	NA
bis(2-Chloroethoxy)methane	111-91-1	NA		2.0	0.28	0.50	2.0	48-120	48-120	20	NA	NA
bis(2-Chloroethyl)ether	111-44-4	NA		2.0	0.25	0.50	2.0	43-118	43-118	20	NA	NA

Worksheet #15.11 -- Reference Limits and Evaluation Table (Continued)

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Semivolatiles by SW-846 3510C/8270D

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
2,2'-Oxybis(1-chloropropane)	108-60-1	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	2.0	0.40	0.50	2.0	37-130	37-130	20	NA	NA
2-Chloronaphthalene	91-58-7	NA		2.0	0.24	0.50	2.0	40-116	40-116	20	NA	NA
4-Chlorophenyl phenyl ether	7005-72-3	NA		2.0	0.37	0.50	2.0	53-121	53-121	20	NA	NA
Chrysene	218-01-9	NA		1.0	0.18	0.50	1.0	59-123	59-123	20	NA	NA
Dibenzo(a,h)anthracene	53-70-3	NA		1.0	0.33	0.50	1.0	51-134	51-134	20	NA	NA
Dibenzofuran	132-64-9	NA		5.0	0.22	0.50	5.0	53-118	53-118	20	NA	NA
1,2-Dichlorobenzene	95-50-1	NA		1.0	0.17	0.50	1.0	32-111	32-111	20	NA	NA
1,3-Dichlorobenzene	541-73-1	NA		1.0	0.19	0.50	1.0	28-110	28-110	20	NA	NA
1,4-Dichlorobenzene	106-46-7	NA		1.0	0.17	0.50	1.0	29-112	29-112	20	NA	NA
3,3'-Dichlorobenzidine	91-94-1	NA		2.0	0.51	1.0	2.0	27-129	27-129	20	NA	NA
Diethyl Phthalate	84-66-2	NA		2.0	0.26	0.50	2.0	56-125	56-125	20	NA	NA
Dimethyl Phthalate	131-11-3	NA		2.0	0.22	0.50	2.0	45-127	45-127	20	NA	NA
Di-n-octyl Phthalate	117-84-0	NA		2.0	0.23	0.50	2.0	51-140	51-140	20	NA	NA
Di-n-butyl Phthalate	84-74-2	NA		2.0	0.50	1.0	2.0	59-127	59-127	20	NA	NA
2,4-Dinitrotoluene	121-14-2	NA		1.0	0.55	0.75	1.0	57-128	57-128	20	NA	NA
2,6-Dinitrotoluene	606-20-2	NA		1.0	0.48	0.50	1.0	57-124	57-124	20	NA	NA
bis(2-Ethylhexyl)phthalate	117-81-7	NA		2.0	1.7	1.8	2.0	55-135	55-135	20	NA	NA
Fluoranthene	206-44-0	NA		1.0	0.17	0.50	1.0	57-128	57-128	20	NA	NA
Fluorene	86-73-7	NA		1.0	0.17	0.50	1.0	52-124	52-124	20	NA	NA
Hexachlorobenzene	118-74-1	NA		1.0	0.33	0.50	1.0	53-125	53-125	20	NA	NA
Hexachlorobutadiene	87-68-3	NA		1.0	0.19	1.0	1.0	22-124	22-124	20	NA	NA
Hexachlorocyclopentadiene	77-47-4	NA		10	2.8	5.0	10	10-110	10-110	20	NA	NA
Hexachloroethane	67-72-1	NA		2.0	0.39	1.0	2.0	21-115	21-115	20	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	NA		1.0	0.33	0.50	1.0	52-134	52-134	20	NA	NA
Isophorone	78-59-1	NA		2.0	0.28	1.0	2.0	42-124	42-124	20	NA	NA
2-Methylnaphthalene	91-57-6	NA		1.0	0.21	0.50	1.0	40-121	40-121	20	NA	NA
Naphthalene	91-20-3	NA		1.0	0.23	0.50	1.0	40-121	40-121	20	NA	NA
2-Nitroaniline	88-74-4	NA		5.0	0.28	1.0	5.0	55-127	55-127	20	NA	NA
2-Nitroaniline	88-74-4	NA		5.0	0.28	1.0	5.0	55-127	55-127	20	NA	NA

Worksheet #15.11 -- Reference Limits and Evaluation Table (Continued)

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Semivolatiles by SW-846 3510C/8270D

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
3-Nitroaniline	99-09-2	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	5.0	0.39	1.0	5.0	41-128	41-128	20	NA	NA
4-Nitroaniline	100-01-6	NA		5.0	0.44	1.0	5.0	48-119	48-119	20	NA	NA
Nitrobenzene	98-95-3	NA		2.0	0.64	1.0	2.0	45-121	45-121	20	NA	NA
N-Nitrosodi-n-propylamine	621-64-7	NA		2.0	0.48	1.0	2.0	49-119	49-119	20	NA	NA
N-Nitrosodiphenylamine	86-30-6	NA		5.0	0.22	0.50	5.0	51-123	51-123	20	NA	NA
Phenanthrene	85-01-8	NA		1.0	0.18	0.50	1.0	59-120	59-120	20	NA	NA
Pyrene	129-00-0	NA		1.0	0.22	0.50	1.0	57-126	57-126	20	NA	NA
1,2,4-Trichlorobenzene	120-82-1	NA		2.0	0.37	1.0	2.0	29-116	29-116	20	NA	NA
2-Fluorophenol (s)	*367-12-4*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-110*	*NA*
Phenol-d5 (s)	*4165-62-2*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-110*	*NA*
2,4,6-Tribromophenol (s)	*118-79-6*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*36-151*	*NA*
Nitrobenzene-d5 (s)	*4165-60-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*34-128*	*NA*
2-Fluorobiphenyl (s)	*321-60-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*38-119*	*NA*
Terphenyl-d14 (s)	*1718-51-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*26-129*	*NA*

NA = Not Applicable *(s) = surrogate* µg/l = microgram/liter LOD = level of detection limit LOQ = level of quantitation limit

[1]Water characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.12 -- Reference Limits and Evaluation Table

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Pesticides SW-846 3510C/8081B

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Aldrin	309-00-2	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	0.0050	0.0026	0.0038	0.0050	45-134	45-134	30	NA	NA
alpha-BHC	319-84-6	NA		0.0050	0.0026	0.0038	0.0050	54-138	54-138	30	NA	NA
beta-BHC	319-85-7	NA		0.0050	0.0040	0.0040	0.0050	56-136	56-136	30	NA	NA
delta-BHC	319-86-8	NA		0.0050	0.0033	0.0038	0.0050	52-142	52-142	30	NA	NA
gamma-BHC (Lindane)	58-89-9	NA		0.0050	0.0030	0.0030	0.0050	59-134	59-134	30	NA	NA
alpha-Chlordane	5103-71-9	NA		0.0050	0.0025	0.0038	0.0050	60-129	60-129	30	NA	NA
gamma-Chlordane	5103-74-2	NA		0.0050	0.0021	0.0025	0.0050	56-136	56-136	30	NA	NA
Dieldrin	60-57-1	NA		0.0050	0.0038	0.0038	0.0050	60-136	60-136	30	NA	NA
4,4'-DDD	72-54-8	NA		0.0050	0.0029	0.0029	0.0050	56-143	56-143	30	NA	NA
4,4'-DDE	72-55-9	NA		0.0050	0.0025	0.0038	0.0050	57-135	57-135	30	NA	NA
4,4'-DDT	50-29-3	NA		0.0050	0.0034	0.0034	0.0050	51-143	51-143	30	NA	NA
Endrin	72-20-8	NA		0.0050	0.0030	0.0038	0.0050	60-138	60-138	30	NA	NA
Endosulfan sulfate	1031-07-8	NA		0.0050	0.0027	0.0038	0.0050	62-133	62-133	30	NA	NA
Endrin aldehyde	7421-93-4	NA		0.0050	0.0034	0.0038	0.0050	51-132	51-132	30	NA	NA
Endrin ketone	53494-70-5	NA		0.0050	0.0031	0.0038	0.0050	58-134	58-134	30	NA	NA
Endosulfan-I	959-98-8	NA		0.0050	0.0026	0.0026	0.0050	62-126	62-126	30	NA	NA
Endosulfan-II	33213-65-9	NA		0.0050	0.0024	0.0025	0.0050	52-135	52-135	30	NA	NA
Heptachlor	76-44-8	NA		0.0050	0.0022	0.0025	0.0050	54-130	54-130	30	NA	NA
Heptachlor epoxide	1024-57-3	NA		0.0050	0.0030	0.0038	0.0050	61-133	61-133	30	NA	NA
Methoxychlor	72-43-5	NA		0.010	0.0034	0.0038	0.010	54-145	54-145	30	NA	NA
Toxaphene	8001-35-2	NA		0.13	0.080	0.10	0.13	33-134	33-134	30	NA	NA
Tetrachloro-m-xylene (s)	*877-09-8*	*NA*		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*13-153*	*NA*
Decachlorobiphenyl (s)	*2051-24-3*	*NA*		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-138*	*NA*

NA = Not Applicable *(s) = surrogate* µg/l = microgram/liter LOD = level of detection limit LOQ = level of quantitation limit

[1]Water characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.13 -- Reference Limits and Evaluation Table

Matrix: Aqueous Waste Characterization Samples
Analytical Group: Herbicide SW-846 3510C/8151A

Analyte	CAS Number	Waste Acceptance Criteria (µg/l) *Equal to or Less Than*	Waste Disposal Reference[1]	Project Quantitation Limit Goal (µg/l)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/l)	LODs (µg/l)	LOQs (µg/l)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
2,4-D	94-75-7	NA	Based on disposal facility requirements specific waste acceptance criteria will be defined once the disposal facility is identified.	0.25	0.074	0.13	0.25	45-152	45-152	30	NA	NA
2,4,5-TP (Silvex)	93-72-1	NA		0.050	0.015	0.025	0.050	51-134	51-134	30	NA	NA
2,4,5-T	93-76-5	AN		0.050	0.040	0.040	0.050	42-147	42-147	30	NA	NA
2,4-DCAA (s)	*19719-28-9*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-149*	*NA*

NA = Not Applicable *(s) = surrogate* µg/l = microgram/liter LOD = level of detection limit LOQ = level of quantitation limit

[1]Project characterization sample waste acceptance criteria are based on the disposal facility requirements. Specific goals will be defined once the disposal facility is identified. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the waste acceptance criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.14 -- Reference Limits and Evaluation Table

Matrix: Solid Fill Material Samples
Analytical Group: Metals SW-846 3050B/6010D/7471B; Chromium, hexavalent SW846 3060A/7196A; Cyanide SW-846 9012B

Analyte[1]	CAS Number	Fill Material Criteria (mg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (mg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (mg/kg)	LODs (mg/kg)	LOQs (mg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Arsenic	7440-38-2	16	6 NYCCR Part 375, Table 375-6.8(b). Protection of Public Health, Residential	2.0	0.28	0.50	2.0	82-111	82-111	20	NA	50
Barium	7440-39-3	350		20	1.92	10	20	83-113	83-113	20	NA	50
Beryllium	7440-41-7	14		0.20	0.08	0.10	0.20	83-113	83-113	20	NA	50
Cadmium	7440-43-9	2.5		0.50	0.070	0.20	0.50	82-113	82-113	20	NA	50
Chromium, hexavalent	18540-29-9	22		1.0	0.317	0.50	1.0	84-110	84-110	20	NA	50
Chromium, total	7440-47-3	58		1.0	0.37	0.50	1.0	85-113	85-113	20	NA	50
Chromium, trivalent	16065-83-1	36		1.0	*	*	*	*	*	*	NA	50
Copper	7440-50-8	270		2.5	0.84	1.0	2.5	81-117	81-117	20	NA	50
Total Cyanide	57-12-5	27		0.24	0.163	0.24	0.24	90-110	90-110	20	NA	50
Lead	7439-92-1	400		2.0	0.41	0.50	2.0	81-112	81-112	20	NA	50
Manganese	7439-96-5	2,000		1.5	0.41	1.0	1.5	84-114	84-114	20	NA	50
Total Mercury	7439-97-6	0.81		0.033	0.0878	0.015	0.033	80-124	80-124	20	NA	50
Nickel	7440-02-0	140		4.0	0.35	0.40	4.0	83-113	83-113	20	NA	50
Selenium	7782-49-2	36		2.0	0.65	0.80	2.0	78-111	78-111	20	NA	50
Silver	7440-22-4	36		0.50	0.17	0.40	0.50	82-112	82-112	20	NA	50
Zinc	7440-66-6	2,200		5.0	2.30	4.0	5.0	82-113	82-113	20	NA	50

NA = Not Applicable * = Calculation mg/kg = milligram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Fill material criteria are based on 6 NYCCR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the fill material criteria.
[2]Achievable detection limits (DLs), level of detection limits (LODs) and level of quantitations (LOQs) are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.15 -- Reference Limits and Evaluation Table

Matrix: Solid Fill Material Samples
Analytical Group: Herbicide SW-846 3546/8151A

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
2,4,5-TP Acid (Silvex)	93-72-1	58,000	6 NYCCR Part 375, Table 375-6.8(b)	6.7	5.7	6.0	6.7	43-129	43-129	30	NA	50
2,4-DCAA (s)	*19719-28-9*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-159*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Fill material criteria are based on 6 NYCCR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the fill material criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.16 -- Reference Limits and Evaluation Table

Matrix: Solid Fill Material Samples
Analytical Group: Pesticides SW-846 3550C/8081B

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
4,4'-DDE	72-55-9	1,800	6 NYCCR Part 375, Table 375-6.8(b). Protection of Public Health, Residential	0.67	0.59	0.59	0.67	56-134	56-134	30	NA	50
4,4'-DDT	50-29-3	1,700		0.67	0.59	0.59	0.67	50-141	50-141	30	NA	50
4,4'- DDD	72-54-8	2,600		0.67	0.62	0.62	0.67	56-139	56-139	30	NA	50
Aldrin	309-00-2	19		0.67	0.55	0.55	0.67	45-136	45-136	30	NA	50
alpha-BHC	319-84-6	97		0.67	0.54	0.54	0.67	45-137	45-137	30	NA	50
beta-BHC	319-85-7	72		0.67	0.61	0.61	0.67	50-136	50-136	30	NA	50
Chlordane (alpha)	5103-71-9	910		0.67	0.54	0.54	0.67	54-133	54-133	30	NA	50
delta-BHC	319-86-8	100,000		0.67	0.64	0.64	0.67	47-139	47-139	30	NA	50
Dieldrin	60-57-1	39		0.67	0.46	0.50	0.67	56-136	56-136	30	NA	50
Endosulfan I	959-98-8	4,800		0.67	0.39	0.50	0.67	53-132	53-132	30	NA	50
Endosulfan II	33213-65-9	4,800		0.67	0.42	0.50	0.67	53-134	53-134	30	NA	50
Endosulfan sulfate	1031-07-8	4,800		0.67	0.52	0.52	0.67	55-136	55-136	30	NA	50
Endrin	72-20-8	2,200		0.67	0.52	0.52	0.67	57-140	57-140	30	NA	50
Heptachlor	76-44-8	420		0.67	0.58	0.58	0.67	47-136	47-136	30	NA	50
Lindane	58-89-9	280		0.67	0.49	0.49	0.67	49-135	49-135	30	NA	50
Tetrachloro-m-xylene (s)	*877-09-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*25-135*	*NA*
Decachlorobiphenyl (s)	*2051-24-3*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-156*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Fill material criteria are based on 6 NYCCR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the fill material criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.17 -- Reference Limits and Evaluation Table

Matrix: Solid Fill Material Samples
Analytical Group: PCBs SW-846 3550C/8082A

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Aroclor 1016	12674-11-2	1,000	6 NYCCR Part 375, Table 375-6.8(b). Protection of Public Health, Residential	34	13	17	34	47-134	47-134	30	NA	50
Aroclor 1221	11104-28-2			34	14	17	34	70-130	70-130	30	NA	50
Aroclor 1232	11141-16-5			34	9.0	17	34	70-130	70-130	30	NA	50
Aroclor 1242	53469-21-9			34	5.3	17	34	70-130	70-130	30	NA	50
Aroclor 1248	12672-29-6			34	20	27	34	70-130	70-130	30	NA	50
Aroclor 1254	11097-69-1			34	8.2	17	34	67-135	67-135	30	NA	50
Aroclor 1260	11096-82-5			34	11	17	34	53-140	53-140	30	NA	50
Total PCBs[1]	1336-36-3			34	5.3	17	34	70-130	70-130	30	NA	50
Tetrachloro-m-xylene (s)	*877-09-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*24-152*	*NA*
Decachlorobiphenyl (s)	*2051-24-3*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*10-166*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Fill material criteria are based on 6 NYCCR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the fill material criteria.
[2]Achievable DLs, LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.18 -- Reference Limits and Evaluation Table

Matrix: Solid Fill Material Samples
Analytical Group: Semivolatiles by SW-846 3546/8270D

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Acenaphthene	83-32-9	100,000	6 NYCCR Part 375, Table 375-6.8(b). Protection of Public Health, Residential	33	11	33	33	40-123	40-123	20	NA	50
Acenapthylene	208-96-8	100,000		33	17	20	33	32-132	32-132	20	NA	50
Anthracene	120-12-7	100,000		33	20	25	33	47-123	47-123	20	NA	50
Benz(a)anthracene	56-55-3	1,000		33	9.4	17	33	49-126	49-126	20	NA	50
Benzo(a)pyrene	50-32-8	1,000		33	15	17	33	45-129	45-129	20	NA	50
Benzo(b)fluoranthene	205-99-2	1,000		33	15	17	33	45-132	45-132	20	NA	50
Benzo(g,h,i)perylene	191-24-2	100,000		33	17	17	33	43-134	43-134	20	NA	50
Benzo(k)fluoranthene	207-08-9	1,000		33	16	17	33	47-132	47-132	20	NA	50
Chrysene	218-01-9	1,000		33	10	17	33	50-124	50-124	20	NA	50
Dibenz(a,h)anthracene	53-70-3	33,000		33	15	17	33	45-134	45-134	20	NA	50
Fluoranthene	206-44-0	100,000		33	15	17	33	50-127	50-127	20	NA	50
Fluorene	86-73-7	100,000		33	15	33	33	43-125	43-125	20	NA	50
Hexachlorobenzene	118-74-1	33,000		2.0	0.25	0.50	2.0	45-122	45-122	NA	NA	50
Indeno(1,2,3-cd)pyrene	193-39-5	500		33	16	33	33	45-133	45-133	20	NA	50
m-Cresol	108-39-4	100,000		67	21	33	67	32-122	32-122	20	NA	50
Naphthalene	91-20-3	100,000		33	9.4	17	33	35-123	35-123	20	NA	50
o-Cresol	95-48-7	100,000		67	27	33	67	34-119	34-119	20	NA	50
p-Cresol	106-44-5	34,000		67	27	33	67	34-119	34-119	20	NA	50
Pentachlorophenol	87-86-5	2,400		130	31	83	130	25-133	25-133	20	NA	50
Phenanthrene	85-01-8	100,000		33	11	17	33	50-121	50-121	20	NA	50
Phenol	108-95-2	100,000		67	17	33	67	34-121	34-121	20	NA	50
Pyrene	129-00-0	100,000		33	11	17	33	47-127	47-127	20	NA	50

Worksheet #15.18 -- Reference Limits and Evaluation Table (Continued)

Matrix: Solid Fill Material Samples
Analytical Group: Semivolatiles by SW-846 3546/8270D

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
2-Fluorophenol (s)	*367-12-4*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*23-115*	*NA*
Phenol-d5 (s)	*4165-62-2*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*27-114*	*NA*
2,4,6-Tribromophenol (s)	*118-79-6*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*19-152*	*NA*
Nitrobenzene-d5 (s)	*4165-60-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*26-134*	*NA*
2-Fluorobiphenyl (s)	*321-60-8*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*39-124*	*NA*
Terphenyl-d14 (s)	*1718-51-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*36-134*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Fill material criteria are based on 6 NYCCR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the fill material criteria.
[2]Achievable LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process performed by APTIM Chemist.

Worksheet #15.19 -- Reference Limits and Evaluation Table

Matrix: Solid Fill Material Samples
Analytical Group: Volatiles by SW-846 5035A/8260C

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
1,1,1-Trichloroethane	71-55-6	100,000	6 NYCCR Part 375, Table 375-6.8(b). Protection of Public Health, Residential	2.0	0.43	1.0	2.0	73-131	73-131	20	NA	50
1,1-Dichloroethane	75-34-3	19,000		1.0	0.39	0.50	1.0	75-124	75-124	20	NA	50
1,1-Dichloroethene	75-35-4	100,000		1.0	0.66	0.75	1.0	64-129	64-129	20	NA	50
1,2-Dichlorobenzene	95-50-1	100,000		1.0	0.31	0.75	1.0	77-117	77-117	20	NA	50
1,2-Dichloroethane	107-06-2	2,300		1.0	0.47	0.50	1.0	74-124	74-124	20	NA	50
cis-1,2-Dichloroethene	156-59-2	59,000		1.0	0.96	1.0	1.0	74-118	74-118	20	NA	50
trans-1,2-Dichloroethene	156-60-5	100,000		1.0	0.67	0.75	1.0	71-125	71-125	20	NA	50
1,3-Dichlorobenzene	541-73-1	17,000		1.0	0.36	0.50	1.0	75-117	75-117	20	NA	50
1,4-Dichlorobenzene	106-46-7	9,800		1.0	0.34	0.50	1.0	76-115	76-115	20	NA	50
1,4-Dioxane	123-91-1	9,800		130	37	100	130	64-128	64-128	20	NA	50
Acetone	67-64-1	100,000		10	5.0	7.5	10	48-149	48-149	20	NA	50
Benzene	71-43-2	2,900		0.50	0.38	0.40	0.50	74-117	74-117	20	NA	50
Butylbenzene	104-51-8	100,000		2.0	0.41	0.50	2.0	74-123	74-123	20	NA	50
Carbon tetrachloride	56-23-5	1,400		2.0	0.55	1.0	2.0	69-136	69-136	20	NA	50
Chlorobenzene	108-90-7	100,000		2.0	0.35	1.0	2.0	79-117	79-117	20	NA	50
Chloroform	67-66-3	10,000		2.0	0.70	0.50	2.0	76-119	76-119	20	NA	50
Ethylbenzene	100-41-4	30,000		1.0	0.55	0.75	1.0	76-122	76-122	NA	NA	50
Methyl ethyl ketone	78-93-3	100,000		10	3.7	7.5	10	65-143	65-143	20	NA	50
Methyl tert-butyl ether	1634-04-4	62,000		1.0	0.35	0.50	1.0	75-123	75-123	20	NA	50
Methylene chloride	75-09-2	51,000		5.0	2.5	3.0	5.0	73-120	73-120	20	NA	50
n-Propylbenzene	103-65-1	100,000		2.0	0.31	0.50	2.0	73-120	73-120	20	NA	50
sec-Butylbenzene	135-98-8	100,000		2.0	0.37	0.50	2.0	74-123	74-123	20	NA	50
tert-Butylbenzene	98-06-6	100,000		2.0	0.35	0.50	2.0	73-124	73-124	20	NA	50
Tetrachloroethene	127-18-4	5,500		2.0	0.46	10	2.0	59-128	59-128	20	NA	50
Toluene	108-88-3	100,000		1.0	0.38	0.75	1.0	74-117	74-117	20	NA	50
Trichloroethene	79-01-6	10,000		1.0	0.76	0.80	1.0	80-120	80-120	20	NA	50
1,2,4-Trimethylbenzene	95-63-6	47,000		2.0	1.0	1.0	2.0	84-120	84-120	20	NA	50
1,3,5- Trimethylbenzene	108-67-8	47,000		2.0	0.36	1.0	2.0	74-119	74-119	20	NA	50
Vinyl chloride	75-01-4	210		2.0	0.47	1.0	2.0	55-145	55-145	20	NA	50
Xylene (mixed)	1330-20-7	100,000		1.0	0.58	0.75	1.0	76-119	76-119	20	NA	50

Worksheet #15.19 -- Reference Limits and Evaluation Table (Continued)

Matrix: Solid Fill Material Samples
Analytical Group: Volatiles by SW-846 5035A/8260C

Analyte	CAS Number	Fill Material Criteria (µg/kg) *Equal to or Less Than*	Fill Material Criteria Reference[1]	Project Quantitation Limit Goal (µg/kg)	Achievable Laboratory Limits[2]			Precision and Accuracy Method Performance Criteria[3]				
					DL (µg/kg)	LODs (µg/kg)	LOQs (µg/kg)	LCS Control Limit (%R)	MS/MSD Control Limit (%R)	MS/MSD Precision Limit (RPD)	Surrogate Control Limit (%R)	Project Field Precision Limit (RPD)
Dibromofluoromethane (s)	*1868-53-7*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*75-127*	*NA*
1,2-Dichloroethane-d4 (s)	*17060-07-0*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*75-130*	*NA*
Toluene-d8 (s)	*2037-26-5*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*80-120*	*NA*
4-Bromofluorobenzene (s)	*460-00-4*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*79-127*	*NA*

NA = Not Applicable *(s) = surrogate* µg/kg = microgram/kilogram LOD = level of detection limit LOQ = level of quantitation limit

[1]Fill material criteria are based on 6 NYCCR Part 375, Table 375-6.8(b): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential. Following the receipt of the analytical results, the project team will review the data to ensure that the analytical results meet the fill material criteria.
[2]Achievable LODs and LOQs are limits that an individual laboratory can achieve when performing a specific analytical method. *Laboratory Generated Limits are subject to change, the laboratory will use the most current limits at the time of analysis.*
[3]The laboratory precision and accuracy performance criteria are based upon the *DoD Quality Systems Manual for Environmental Laboratories* (DoD QSM), Version 5.1, January 2017. If a compound/analyte is not listed, then the established laboratory in-house limits are used as per DoD QSM. LCS, Surrogate, and MS/MSD limits are included here to assist in the data verification process.

Analytical SOP References Table

SGS North America Inc. – Dayton
2235 US Highway 130
Dayton, NJ 08810

Lab SOP Number	Title, Revision Date, and Number	Definitive or Screening Data	Matrix and Analytical Group	Instrument	Variance to QSM	Modified for Project Work? (Y/N)
EOP003-10	Extraction of Semivolatile Organics from Solids by Sonication; 12/22/16, rev 10	Definitive	Solid, Organics	Sonicator	None	N
EGC8082A-08	Determination of Polychlorinated Biphenyls by Gas Chromatography; 3/14/17, rev 8	Definitive	Solid and aqueous, PCBs	GC/ECD	None	N
EGN140-19	Ignitibility; 6/29/18, rev 19	Definitive	Solid and aqueous, characteristics	Flash point apparatus	None	N
EGN200-14	pH and Corrosivity for Soils and Solid Wastes; 4/24/17, rev 14	Definitive	Solid, pH	pH meter	None	N
EGN137-15	Reactive Sulfide and Reactive Cyanide; 4/24/18, rev 15	Definitive	Wastes, characteristics	Distillation	None	N
EGN228-08	Sulfide Analysis for Reactive Sulfides; 5/1/18, rev 8	Definitive	Wastes, characteristics	Titration	None	N
EGN207-22	Cyanide (Lachat Autoanalyzer); 8/4/16, rev 22	Definitive	Wastes, characteristics	Lachat Analyzer	None	N
EGN141-28	TCLP – Semivolatiles/Metals Extraction; 5/2/18, rev 28	Definitive	Wastes, characteristics	TCLP extractor	None	N
EMP070-18	Digestion of Non-Potable Waters for ICP or ICP-MS Analysis; 9/12/17, rev 18	Definitive	Solid, metals	Digestion block	None	N
EMA6010D-03	Metals by Inductively Couples Plasma Atomic Emission Spectrometry (ICP); 8/24/17, rev 3	Definitive	Solid and aqueous, metals	ICP-AES	None	N
EMA215-21	Cold Vapor Analysis of Mercury for Water Samples; 5/23/18, rev 21	Definitive	Aqueous, metals	Atomic absorption spectrophotometer	None	N
EMP073-20	Digestion of Soils for ICP and ICP/MS Analysis; 6/7/17, rev 20	Definitive	Solid, metals	Digestion block	None	N
EOP5035-13	Collection, Preservation, Management, and Handling of Solid Samples for Volatile Organics Analysis; 9/11/17, rev 13	Definitive	Solid, volatiles	Encore sampler	None	N
EMS8260C-20	Volatile Organic Compounds by Gas Chromatography / Mass Spectrometry; 1/31/18, rev 20	Definitive	Solid and aqueous, volatiles	GC/MS	None	N
EOP3546-24	Microwave Extraction Procedure; 8/23/17, rev 24	Definitive	Solid, Organics	Microwave digestor	None	N
EMS8270D-15	Semivolatile Organic Compounds by Gas Chromatography / Mass Spectrometry; 11/1/17, rev 15	Definitive	Solid and aqueous, semivolatiles	GC/MS	None	N
EGC8081B-12	Determination of Organochlorine Pesticides Using GC System; 3/30/17, rev 12	Definitive	Solid and aqueous, pesticides	GC/ECD	None	N

Analytical SOP References Table (Continued)

Lab SOP Number	Title, Revision Date, and Number	Definitive or Screening Data	Matrix and Analytical Group	Instrument	Variance to QSM	Modified for Project Work? (Y/N)
EGC8151-18	Chlorinated Herbicides by GC using Methylation Derivatization; 3/15/17, rev 18	Definitive	Solid and aqueous, herbicides	GC/ECD	None	N
EOP001-21	Preparation of Semi-volatile Extractables in Aqueous Samples; 8/10/17, rev 21	Definitive	Aqueous, semivolatiles	Separatory funnel	None	N
EMA228-13	Cold Vapor Analysis of Mercury for Soil Samples; 4/16/18, rev 13	Definitive	Solid, metals	Atomic absorption spectrophotometer	None	N
EGN214-17	Hexavalent Chromium (Soils); 8/23/17, rev 17	Definitive	Solid, metals	Spectrophotometer	None	N

Laboratory QC Samples Tables

Matrix	Solid
Analytical Group	PCBs
Analytical Method SOP Reference	SW-846 8082 SOP: EGC8082A-08

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	If used, every field sample, QC sample, and standard.	Retention time ± 0.06 RRT units from retention time of the midpoint standard in the ICAL; IS area (or height) within -50% to +100% of ICAL midpoint standard. Use initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	All analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 30% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within laboratory statistically derived criteria, which must meet DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Confirmation of positive results (second column)	All results > DL must be confirmed.	QC criteria same as for primary column analysis. Results between primary and secondary column RPD ≤ 40%.	Apply J-flag if RPD > 40%, and explain in the case narrative.	Analyst, Supervisor	Representativeness and Precision	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Aqueous
Analytical Group	PCBs
Analytical Method SOP Reference	SW-846 8082 SOP: EGC8082A-08

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	If used, every field sample, QC sample, and standard.	Retention time ± 0.06 RRT units from retention time of the midpoint standard in the ICAL; IS area (or height) within -50% to +100% of ICAL midpoint standard. Use initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	All analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 30% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within laboratory statistically-derived criteria, which must meet DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Confirmation of positive results (second column)	All results > DL must be confirmed.	QC criteria same as for primary column analysis. Results between primary and secondary column RPD ≤ 40%.	Apply J-flag if RPD > 40%, and explain in the case narrative.	Analyst, Supervisor	Representativeness and Precision	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Solid
Analytical Group	Metals
Analytical Method SOP Reference	SW-846 6010D SOP: EMA6010D-03

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Method Blank (MB)	One per preparatory batch.	Absolute value of all analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Interference check solutions (ICS)	After ICAL and prior to sample analysis.	ICS-A: Absolute value of concentration for all non-spiked analytes < 1/2 LOD (unless they are a verified trace impurity from one of the spiked analytes). ICS-AB: Within ± 20% of true value.	Terminate analysis, correct the problem, reanalyze the ICS, and reanalyze all samples. If corrective action fails, qualify all results for failed ICS analytes, and discuss in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	LCS must contain all target metals. QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explained in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 20% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Serial Dilution Test	One per preparatory batch if MS or MSD fails.	Five-fold dilution must agree within ± 10% of the original measurement. Only applicable for samples with concentrations >50x LOQ.	Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative.	Analyst, Supervisor	Precision	See Method / SOP QC Acceptance Limits
Post-digestion spike (PDS) addition	One per preparatory batch if MS/MSD fails.	Recovery within 80-120%. Only applicable for samples with concentrations <50x LOQ.	Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Solid
Analytical Group	VOCs
Analytical Method SOP Reference	SW-846 8260C SOP: EMS8260C-20

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	Every field sample, QC sample, and standard.	Retention time ± 10 seconds from retention time of the midpoint standard in the ICAL; EICP area within -50% to +100% of ICAL midpoint standard. Use the daily initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	Common laboratory contaminants < LOQ. All other analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	LCS must contain all target analytes, including surrogates. QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	MS must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 20% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Aqueous
Analytical Group	VOCs
Analytical Method SOP Reference	SW-846 8260C SOP: EMS8260C-20

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	Every field sample, QC sample, and standard.	Retention time ± 10 seconds from retention time of the midpoint standard in the ICAL; EICP area within -50% to +100% of ICAL midpoint standard. Use the daily initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	Common laboratory contaminants < LOQ. All other analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	LCS must contain all target analytes, including surrogates. QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	MS must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 20% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Solid
Analytical Group	SVOCs
Analytical Method SOP Reference	SW-846 8270D SOP: EMS8270D-15

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	Every field sample, QC sample, and standard.	Retention time ± 10 seconds from retention time of the midpoint standard in the ICAL; EICP area within -50% to +100% of ICAL midpoint standard. Use the daily initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	Common laboratory contaminants < LOQ. All other analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	LCS must contain all target analytes, including surrogates. QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	MS must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 20% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Aqueous
Analytical Group	SVOCs
Analytical Method SOP Reference	SW-846 8270D SOP: EMS8270D-15

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	Every field sample, QC sample, and standard.	Retention time ± 10 seconds from retention time of the midpoint standard in the ICAL; EICP area within -50% to +100% of ICAL midpoint standard. Use the daily initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	Common laboratory contaminants < LOQ. All other analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	LCS must contain all target analytes, including surrogates. QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	MS must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on MS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD must contain all target analytes, including surrogates. Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 20% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Solid
Analytical Group	Pesticides
Analytical Method SOP Reference	SW-846 8081B SOP: EGC8081B-12

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	If used, every field sample, QC sample, and standard.	Retention time ± 0.06 RRT units from retention time of the midpoint standard in the ICAL; IS area (or height) within -50% to +100% of ICAL midpoint standard. Use initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	All analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 30% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within laboratory statistically-derived criteria, which must meet DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Confirmation of positive results (second column)	All results > DL must be confirmed.	QC criteria same as for primary column analysis. Results between primary and secondary column RPD ≤ 40%.	Apply J-flag if RPD > 40%, and explain in the case narrative.	Analyst, Supervisor	Representativeness and Precision	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Aqueous
Analytical Group	Pesticides
Analytical Method SOP Reference	SW-846 8081B SOP: EGC8081B-12

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	If used, every field sample, QC sample, and standard.	Retention time ± 0.06 RRT units from retention time of the midpoint standard in the ICAL; IS area (or height) within -50% to +100% of ICAL midpoint standard. Use initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	All analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 30% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within laboratory statistically-derived criteria, which must meet DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Confirmation of positive results (second column)	All results > DL must be confirmed.	QC criteria same as for primary column analysis. Results between primary and secondary column RPD ≤ 40%.	Apply J-flag if RPD > 40%, and explain in the case narrative.	Analyst, Supervisor	Representativeness and Precision	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Solid
Analytical Group	Herbicides
Analytical Method SOP Reference	SW-846 8151 SOP:EGC8151-18

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	If used, every field sample, QC sample, and standard.	Retention time ± 0.06 RRT units from retention time of the midpoint standard in the ICAL; IS area (or height) within -50% to +100% of ICAL midpoint standard. Use initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	All analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 30% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within laboratory statistically-derived criteria, which must meet DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Confirmation of positive results (second column)	All results > DL must be confirmed.	QC criteria same as for primary column analysis. Results between primary and secondary column RPD ≤ 40%.	Apply J-flag if RPD > 40%, and explain in the case narrative.	Analyst, Supervisor	Representativeness and Precision	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Matrix	Aqueous
Analytical Group	Herbicides
Analytical Method SOP Reference	SW-846 8151 SOP: EGC8151-18

QC Sample	Frequency / Number	Method / SOP QC Acceptance Limits	Corrective Action	Person(s) Responsible for Corrective Action	Data Quality Indicator	Measurement Performance Criteria
Internal standards (IS)	If used, every field sample, QC sample, and standard.	Retention time ± 0.06 RRT units from retention time of the midpoint standard in the ICAL; IS area (or height) within -50% to +100% of ICAL midpoint standard. Use initial CCV on days when ICAL is not performed.	Correct the problem. Reanalyze samples analyzed while system was malfunctioning. If corrective action fails in field samples, qualify the data and explain in the case narrative. Data qualification is not appropriate for failed standards.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Method Blank (MB)	One per preparatory batch.	All analytes <1/2 LOQ or < 1/10 the amount in any sample or < 1/10 the regulatory limit, whichever is greatest.	Correct the problem. Reprep and reanalyze the MB and all associated field and QC samples. Results may not be reported without a valid MB. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Bias / Contamination	See Method / SOP QC Acceptance Limits
Laboratory Control Sample (LCS)	One per preparatory batch.	QC acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Correct problem. Reprep and reanalyze the LCS and all associated samples. Results may not be reported without a valid LCS. If reanalysis cannot be performed, qualify the data and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike (MS)	One per preparatory batch.	Use LCS acceptance criteria as specified by DoD QSM Appendix C, shown on WS 15.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference, i.e. a matrix effect or an analytical error.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Matrix Spike Duplicate (MSD) or Matrix Duplicate (MD)	One per preparatory batch.	MSD: Use LCS acceptance criteria as specified in DoD QSM Appendix C, shown on WS 15. RPD ≤ 30% (between MS and MSD or sample and MD). Note: MD RPD criteria only apply if sample concentration ≥ LOQ.	Examine the project requirements. Contact the client as to additional measures to be taken. Qualify the parent sample results for analytes not meeting criteria, and explain in the case narrative. Evaluate the data to determine the source of difference.	Analyst, Supervisor	Precision and Accuracy	See Method / SOP QC Acceptance Limits
Surrogate Spikes	All field and QC samples.	Percent recovery must be within laboratory statistically-derived criteria, which must meet DOD QSM Appendix C limits, shown on WS 15.	Correct problem. Re-prep and re-analyze all samples with failed surrogates. If an obvious chromatographic interference is present, reanalysis is not necessary, but notify the client before reporting the data. For failed surrogates, qualify the associated analytes and explain in the case narrative.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits
Confirmation of positive results (second column)	All results > DL must be confirmed.	QC criteria same as for primary column analysis. Results between primary and secondary column RPD ≤ 40%.	Apply J-flag if RPD > 40%, and explain in the case narrative.	Analyst, Supervisor	Representativeness and Precision	See Method / SOP QC Acceptance Limits
Results reported between LOD and LOQ	Not applicable.	"J" qualify all results between LOD and LOQ.	None.	Analyst, Supervisor	Accuracy	See Method / SOP QC Acceptance Limits

Data Verification and Validation (Steps I and IIa/IIb) Process Table

Data Review Input	Description	Responsible for Verification / Validation (name / organization)	Internal/ External
Sample Location and Collection Verification	The site supervisor will verify that the sample technicians have collected the samples from the proper locations and depths, using the SOPs detailed in this SAP.	Site Superintendent - TBN / APTIM Project QC Manager - TBN / APTIM	Internal
Analytical Data Package Verification	The APTIM Chemist will verify that sample analyses were performed per the SAP and laboratory SOPs, and that data has been received for all samples sent to the laboratory. Data packages will be reviewed to verify that Chain-of-Custody forms, calibration, instrument tuning, internal standards, LCSs, MBs, MS/MSDs, field blanks, LODs, and LOQs have been received. The data verification results will be documented in a Data Verification Memo.	Natasha Sullivan / APTIM	External
Laboratory Electronic Data Deliverables Review	The laboratory will provide an electronic data deliverable in excel format that has been generated by the laboratory LIMs system. The APTIM Chemist will review these files for correctness and completeness. Project specific action goals will be added and evaluated.	Natasha Sullivan / APTIM	External
Analytical Data Package Validation[1]	Ninety percent of the fill material and all of the disposal material analytical results will receive a Stage 2A data validation. Stage 2A includes review of the QC summary information, but no raw data or quantitation review. Stage 4 data validation will be performed on the remaining ten percent of the fill material analytical results. This includes detailed evaluations of the preservation, holding time, instrument tune, initial calibrations, calibration checks, method and calibration blanks, interference check samples, surrogate recovery, laboratory control samples, laboratory duplicates, MS/MSD, serial dilution, raw data, and sample quantitation. Analytical data will be evaluated against the QC requirements of the analytical methods, the laboratory SOPs, and this SAP. Validation Qualifiers will be consistent with the DOD Data Validation Guidelines (February 2018)[1] and USEPA *National Functional Guidelines for Organic and Inorganic Data Review* (January 2017)[2]. NFG guidelines will be followed for general validation framework and qualification. Findings will be presented in a Data Validation Report.	Natasha Sullivan / APTIM TBN	Stage 2A - Internal Stage 4 - External

[1]Department of Defense (DoD). 2018. General Data Validation Guidelines. Environmental Data Quality Workgroup. February.
[2]U.S. Environmental Protection Agency (EPA). 2009. Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use. OSWER No. 9200.1-85. EPA 540-R-08-005. January.

APPENDIX A

DoD ELAP Certificate of Accreditation
NELAC Certificate of Accreditation

CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

SGS North America Inc. - Dayton

2235 Route 130
Dayton, NJ 08810

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2005

and the

U.S. Department of Defense (DoD) Quality Systems Manual for Environmental Laboratories (DoD QSM V5.1.1)

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L2248
Certificate Number

ANAB Approval

Certificate Valid Through: 04/14/2022
Version No. 006 Issued: 03/12/2019

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 and U.S. DEPARTMENT OF DEFENSE (DoD) QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES (DoD QSM V5.1.1)

SGS North America Inc. - Dayton

2235 Route 130
Dayton, NJ 08810
Charles E. Hartke
732-329-0200

TESTING

Valid to: **April 14, 2022** Certificate Number: **L2248**

Environmental

Non-Potable Water		
Technology	**Method**	**Analyte**
Membrane Filter (MF)	SM 9222 D-97	Fecal Coliform
Membrane Filter (MF)	SM 9222 B-97	Total Coliform
Pour Plate	SM 9215B	Heterotrophic Plate Count
Electrometric Titration	SM 2320 B-11	Alkalinity as CaCO3, Phenolphthalein Alkalinity
Calculation	SM 4500-CO 2 D-11	Alkalinity, bicarbonate
Calculation	SM 4500-CO 2 D-11	Alkalinity, carbonate
Automated Phenate	SM 4500-NH3 B+H-11	Ammonia
Dissolved Oxygen, Polarography	SM 5210 B-11	Biochemical Oxygen Demand
Dissolved Oxygen, Polarography	SM 5210 B-11	Carbonaceous Biochemical Oxygen Demand
Titrimetry	SM 5220B (Mod)-11 SM 5220C (Mod)-11	Chemical Oxygen Demand
DPD-FAS	SM 4500-Cl F-11	Chloride
Colorimetry	SW846 Chapter 7	Cyanide Reactivity
Distillation, Spectrophotometry	EPA 335.4 SM 4500-CN B-11	Cyanide
Distillation, Spectrophotometry	SM 4500-CN C-11 SM 4500-CN G-11	Cyanide – Amenable to Chlorination

Non-Potable Water		
Colorimetric	SM 2120 B-11	Color
Gravimetry	ASTM Definition E12	Density
Microcoulometry	EPA 9020B	Total halides
Automated cadmium reduction	EPA 353.2	Nitrate-Nitrite
Extraction	SM 5540 D-11	Nonionic Surfactants
Combustion/IR	SM 5310 B-11	Total Organic Carbon (TOC)
Calculation	SM 4500-CO 2 D-11	Carbon Dioxide
Calculation	EPA 351.2 SM 4500-NH3 B+H+G-11	Organic Nitrogen
Spectrophotometry	SM 4500-P E-11	Orthophosphate
Meter with a combined electrode	ASTM D1498-76	Oxidation-Reduction Potential
Distillation Colorimetry Automated	EPA 420 .4	Phenols
Persulfate Digestion + Manual Colorimetry	EPA 365.3	Phosphorus (total)
Muffle furnace at high temperatures	ASTM D482-91	Percent Ash
Gravimetry	SM 2540 C-11	Residue – filterable (TDS)
Gravimetry	SM 2540 D-11	Residue – nonfilterable (TSS)
Volumetric (Imhoff Cone)	SM 2540 F-11	Residue – settleable
Gravimetry	EPA 160.4	Residue – volatile
Gravimetry	SM 2540 G-11	Total, fixed, and volatile solids (SQAR)
Electrical Conductivity	SM 2520 B-11	Salinity
Filtration –Colorimetry	SM 4500-Si C-11	Silica – dissolved
Wheatstone Bridge	SM 2510 B-11	Specific Conductance
Wheatstone Bridge	EPA 9050A	Specific Conductance
Calculation	SM 2510 A-11	Resistivity
Titrimetry, Iodometric	SM 4500-S2 B+C+F-11	Sulfides
Calculation	SM 4500-S2 H-11	Hydrogen Sulfide
Colorimetry (Methylene Blue)	SM 5540 C-11	Surfactants
Nephelometry	EPA 180.1	Turbidity
Electrode	SM 4500-O C-11 SM 4500-O G-11	Oxygen (dissolved)

Non-Potable Water		
Electrometry	SM 4500-H B-11	pH
Calculation	EPA 6010; EPA 7196A	Chromium, Trivalent
Colorimetry	SM 3500-Cr B-11	Chromium, VI
Digestion Colorimetry	SM 3500-Fe B-11	Iron, Ferrous
Manual Cold Vapor AA	EPA 245.1	Mercury
ICP-MS	EPA 6020/B EPA 200.8	Aluminum
ICP-MS	EPA 6020/A EPA 200.8	Antimony
ICP-MS	EPA 6020/B EPA 200.8	Arsenic
ICP-MS	EPA 6020/B EPA 200.8	Barium
ICP-MS	EPA 6020/B EPA 200.8	Beryllium
ICP-MS	EPA 6020/B EPA 200.8	Boron
ICP-MS	EPA 6020/B EPA 200.8	Cadmium
ICP-MS	EPA 6020/B EPA 200.8	Calcium
ICP-MS	EPA 6020/B EPA 200.8	Chromium
ICP-MS	EPA 6020/B EPA 200.8	Cobalt
ICP-MS	EPA 6020/B EPA 200.8	Copper
ICP-MS	EPA 6020/B EPA 200.8	Iron
ICP-MS	EPA 6020/B EPA 200.8	Lead
ICP-MS	EPA 6020/B EPA 200.8	Magnesium
ICP-MS	EPA 6020/B EPA 200.8	Manganese
ICP-MS	EPA 6020/B EPA 200.8	Molybdenum
ICP-MS	EPA 6020/B EPA 200.8	Nickel
ICP-MS	EPA 6020/B EPA 200.8	Potassium
ICP-MS	EPA 6020/B EPA 200.8	Selenium

Non-Potable Water		
ICP-MS	EPA 6020/B EPA 200.8	Silver
ICP-MS	EPA 6020/B EPA 200.8	Sodium
ICP-MS	EPA 6020/B EPA 200.8	Strontium
ICP-MS	EPA 6020/B EPA 200.8	Thallium
ICP-MS	EPA 6020/B EPA 200.8	Tin
ICP-MS	EPA 6020/B EPA 200.8	Titanium
ICP-MS	EPA 6020/B EPA 200.8	Vanadium
ICP-MS	EPA 6020/B EPA 200.8	Zinc
GC-ECD	EPA 8011	1,2-Dibromomethane (EDB)
GC-ECD	EPA 8011	1,2-Dibromo-3-chloropropane
GC-ECD	EPA 8011	1,2,3-Trichloropropane
GC-FID	EPA 8015C	Diesel range organics (DRO)
GC-FID	EPA 8015C	Gasoline range organics (GRO)
GC-FID	EPA 8015C	Ethanol
GC-FID	EPA 8015C	1-Butanol
GC-FID	EPA 8015C	Isobutyl alcohol (2-Methyl-1-propanol)
GC-FID	EPA 8015C	Isopropyl alcohol (2-Propanol)
GC-FID	EPA 8015C	Methanol
GC-FID	EPA 8015C	Tert-butyl alcohol
GC-FID	EPA 8015C	n-Propyl alcohol
GC-FID	NJDEP-EPH	Extractable Petroleum Hydrocarbons
GC-FID	CT-ETPH	Extractable Petroleum Hydrocarbons
GC-ECD	EPA 8081B; EPA 608.3	4 4`-DDD
GC-ECD	EPA 8081B; EPA 608.3	4 4`-DDE
GC-ECD	EPA 8081B; EPA 608.3	4 4`-DDT
GC-ECD	EPA 8081B; EPA 608.3	Aldrin
GC-ECD	EPA 8081B; EPA 608.3	Chlordane (tech.)
GC-ECD	EPA 8081B; EPA 608.3	Dieldrin
GC-ECD	EPA 8081B; EPA 608.3	Endosulfan I

Non-Potable Water		
GC-ECD	EPA 8081B; EPA 608.3	Endosulfan II
GC-ECD	EPA 8081B; EPA 608.3	Endosulfan sulfate
GC-ECD	EPA 8081B; EPA 608.3	Endrin
GC-ECD	EPA 8081B; EPA 608.3	Endrin aldehyde
GC-ECD	EPA 8081B; EPA 608.3	Endrin ketone
GC-ECD	EPA 8081B; EPA 608.3	Heptachlor
GC-ECD	EPA 8081B; EPA 608.3	Heptachlor epoxide
GC-ECD	EPA 8081B; EPA 608.3	Methoxychlor
GC-ECD	EPA 8081B; EPA 608.3	Toxaphene (Chlorinated camphene)
GC-ECD	EPA 8081B; EPA 608.3	alpha-BHC (alpha-Hexachlorocyclohexane)
GC-ECD	EPA 8081B; EPA 608.3	alpha-Chlordane
GC-ECD	EPA 8081B; EPA 608.3	beta-BHC (beta-Hexachlorocyclohexane)
GC-ECD	EPA 8081B; EPA 608.3	delta-BHC
GC-ECD	EPA 8081B; EPA 608.3	gamma-BHC (Lindane gamma-Hexachlorocyclohexane)
GC-ECD	EPA 8081B; EPA 608.3	gamma-Chlordane
GC-ECD	EPA 8081B	Mirex
GC-ECD	EPA 8081B	Alachlor
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1016 (PCB-1016)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1221 (PCB-1221)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1232 (PCB-1232)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1242 (PCB-1242)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1248 (PCB-1248)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1254 (PCB-1254)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1260 (PCB-1260)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1262 (PCB-1262)
GC-ECD	EPA 8082/A; EPA 608.3	Aroclor-1268 (PCB-1268)
GC-ECD	EPA 8151A	2 4 5-T
GC-ECD	EPA 8151A	2 4-D
GC-ECD	EPA 8151A	2 4-DB
GC-ECD	EPA 8151A	Dalapon
GC-ECD	EPA 8151A	Dicamba
GC-ECD	EPA 8151A	Dichloroprop (Dichlorprop)

Non-Potable Water		
GC-ECD	EPA 8151A	Dinoseb (2-sec-butyl-4 6-dinitrophenol DNBP)
GC-ECD	EPA 8151A	MCPA
GC-ECD	EPA 8151A	MCPP
GC-ECD	EPA 8151A	Pentachlorophenol
GC-ECD	EPA 8151A	Silvex (2 4 5-TP)
GC-ECD	EPA 8151A	Picloram
GC-FID	EPA RSK-175	Butane
GC-FID	EPA RSK-175	Carbon Dioxide
GC-FID	EPA RSK-175	Ethane
GC-FID	EPA RSK-175	Ethene
GC-FID	EPA RSK-175	Methane
GC-FID	EPA RSK-175	Propane
GC-MS	EPA 624.1	n-Heptane
GC-MS	EPA 624.1	n-Hexane
GC-MS	EPA 624.1	Isobutyraldehyde
GC-MS	EPA 624.1	Isopropanol
GC-MS	EPA 624.1	Isopropyl acetate
GC-MS	EPA 624.1	Isopropyl ether
GC-MS	EPA 624.1	Methyl formate
GC-MS	EPA 624.1	o-Xylene
GC-MS	EPA 624.1	m- + p-Xylene
GC-MS	EPA 8260C	Ethylene glycol
GC-MS	EPA 8260C	Propylene glycol
GC-MS	EPA 8260C; EPA 624.1	1 1 1 2-Tetrachloroethane
GC-MS	EPA 8260C	1,2,4,5-Tetramethylbenzene
GC-MS	EPA 8260C; EPA 624.1	1 1 1-Trichloroethane
GC-MS	EPA 8260C; EPA 624.1	1 1 2 2-Tetrachloroethane
GC-MS	EPA 8260C; EPA 624.1	1 1 2-Trichloroethane
GC-MS	EPA 624.1	1-Chloro-1 1-difluoromethane
GC-MS	EPA 8260C; EPA 624.1	1 1-Dichloroethane
GC-MS	EPA 8260C; EPA 624.1	1 1-Dichloroethylene
GC-MS	EPA 8260C; EPA 624.1	1 1-Dichloropropene
GC-MS	EPA 8260C	1,2-Dichlorotetrafluoroethane

Non-Potable Water		
GC-MS	EPA 8260C; EPA 624.1	1 2 3-Trichlorobenzene
GC-MS	EPA 8260C; EPA 624.1	1 2 3-Trichloropropane
GC-MS	EPA 8260C; EPA 624.1	1 2 4-Trichlorobenzene
GC-MS	EPA 624.1	1,1,1- Trifluoroethane
GC-MS	EPA 8260C; EPA 624.1	1 2 4-Trimethylbenzene
GC-MS	EPA 8260C	1,2,3-Trimethylbenzene
GC-MS	EPA 8260C; EPA 624.1	1 2-Dibromo-3-chloropropane (DBCP)
GC-MS	EPA 8260C; EPA 624.1	1 2-Dibromoethane (EDB Ethylene dibromide)
GC-MS	EPA 8260C; EPA 624.1	1 2-Dichlorobenzene
GC-MS	EPA 8260C; EPA 624.1	1 2-Dichloroethane
GC-MS	EPA 8260C; EPA 624.1	1 2-Dichloropropane
GC-MS	EPA 8260C; EPA 624.1	1 3 5-Trimethylbenzene
GC-MS	EPA 8260C; EPA 624.1	1 3-Dichlorobenzene
GC-MS	EPA 8260C; EPA 624.1	1 3-Dichloropropane
GC-MS	EPA 8260C; EPA 624.1	1 4-Dichlorobenzene
GC-MS	EPA 8260C	p-Diethylbenzene
GC-MS	EPA 8260C	3,3-Dimethyl-1-Butanol
GC-MS	EPA 8260C	1-Chlorohexane
GC-MS	EPA 8260C	1-Chloropropane
GC-MS	EPA 8260C	2-Chloropropane
GC-MS	EPA 8260C; EPA 624.1	2 2-Dichloropropane
GC-MS	EPA 8260C; EPA 624.1	2-Butanone (Methyl ethyl ketone MEK)
GC-MS	EPA 8260C; EPA 624.1	2-Chloroethyl vinyl ether
GC-MS	EPA 8260C; EPA 624.1	2-Chlorotoluene
GC-MS	EPA 8260C; EPA 624.1	2-Hexanone
GC-MS	EPA 8260C; EPA 624.1	2-Nitropropane
GC-MS	EPA 8260C; EPA 624.1	4-Chlorotoluene
GC-MS	EPA 8260C; EPA 624.1	4-Methyl-2-pentanone (MIBK)
GC-MS	EPA 8260C; EPA 624.1	Acetone
GC-MS	EPA 8260C; EPA 624.1	Acetonitrile
GC-MS	EPA 8260C; EPA 624.1	Acrolein (Propenal)
GC-MS	EPA 8260C; EPA 624.1	Acrylonitrile

Non-Potable Water		
GC-MS	EPA 8260C; EPA 624.1	Allyl chloride (3-Chloropropene)
GC-MS	EPA 8260C; EPA 624.1	Benzene
GC-MS	EPA 8260C; EPA 624.1	Bromobenzene
GC-MS	EPA 8260C; EPA 624.1	Bromochloromethane
GC-MS	EPA 8260C; EPA 624.1	Bromodichloromethane
GC-MS	EPA 8260C; EPA 624.1	Bromoform
GC-MS	EPA 8260C	1,3-Butadiene
GC-MS	EPA 8260C; EPA 624.1	Carbon disulfide
GC-MS	EPA 8260C; EPA 624.1	Carbon tetrachloride
GC-MS	EPA 8260C; EPA 624.1	Chlorobenzene
GC-MS	EPA 8260C; EPA 624.1	Chloroethane
GC-MS	EPA 8260C; EPA 624.1	Chloroform
GC-MS	EPA 8260C	Chloroprene
GC-MS	EPA 8260C	Chlorotrifluoroethene
GC-MS	EPA 624.1	Cyclohexanone
GC-MS	EPA 8260C; EPA 624.1	Di-isopropylether (DIPE)
GC-MS	EPA 8260C; EPA 624.1	Dibromochloromethane
GC-MS	EPA 8260C; EPA 624.1	Dibromomethane
GC-MS	EPA 8260C; EPA 624.1	Dichlorodifluoromethane
GC-MS	EPA 8260C; EPA 624.1	Diethyl ether
GC-MS	EPA 624.1	1,1-Dichloro-1-fluoroethane
GC-MS	EPA 8260C	Ethanol
GC-MS	EPA 8260C; EPA 624.1	Ethyl acetate
GC-MS	EPA 8260C; EPA 624.1	Ethyl methacrylate
GC-MS	EPA 8260C; EPA 624.1	Ethyl-t-butylether (ETBE)
GC-MS	EPA 8260C; EPA 624.1	Ethylbenzene
GC-MS	EPA 8260C; EPA 624.1	Hexachlorobutadiene
GC-MS	EPA 8260C	n-Hexane
GC-MS	EPA 8260C; EPA 624.1	Iodomethane (Methyl iodide)
GC-MS	EPA 8260C	n-Hexane
GC-MS	EPA 8260C; EPA 624.1	Iodomethane (Methyl iodide)
GC-MS	EPA 8260C	Isobutyl Acetate
GC-MS	EPA 8260C	Isobutyl alcohol (2-Methyl-1-propanol)

Non-Potable Water		
GC-MS	EPA 8260C; EPA 624.1	Isopropylbenzene
GC-MS	EPA 8260C	Isopropyl acetate
GC-MS	EPA 8260C	Methacrylonitrile
GC-MS	EPA 8260C; EPA 624.1	Methyl bromide (Bromomethane)
GC-MS	EPA 8260C; EPA 624.1	Methyl chloride (Chloromethane)
GC-MS	EPA 8260C; EPA 624.1	Methyl methacrylate
GC-MS	EPA 8260C; EPA 624.1	Methyl tert-butyl ether (MTBE)
GC-MS	EPA 8260C	Methylene bromide
GC-MS	EPA 8260C; EPA 624.1	Methylene chloride
GC-MS	EPA 8260C; EPA 624.1	Naphthalene
GC-MS	EPA 8260C	Pentachloroethane
GC-MS	EPA 8260C	Propionitrile (Ethyl cyanide)
GC-MS	EPA 8260C	Propylene
GC-MS	EPA 8260C; EPA 624.1	Styrene
GC-MS	EPA 8260C; EPA 624.1	T-amylmethylether (TAME)
GC-MS	EPA 8260C; EPA 624.1	Tetrachloroethylene (Perchloroethylene)
GC-MS	EPA 8260C; EPA 624.1	Toluene
GC-MS	EPA 8260C; EPA 624.1	Trichloroethene (Trichloroethylene)
GC-MS	EPA 8260C; EPA 624.1	Trichlorofluoromethane
GC-MS	EPA 8260C; EPA 624.1	Vinyl acetate
GC-MS	EPA 8260C	Vinyl bromide
GC-MS	EPA 8260C; EPA 624.1	Vinyl chloride
GC-MS	EPA 8260C	o-Xylene
GC-MS	EPA 8260C	m,p-Xylene
GC-MS	EPA 8260C; EPA 624.1	Xylene (total)
GC-MS	EPA 8260C; EPA 624.1	cis-1 2-Dichloroethylene
GC-MS	EPA 8260C; EPA 624.1	cis-1 3-Dichloropropene
GC-MS	EPA 8260C; EPA 624.1	n-Butylbenzene
GC-MS	EPA 8260C; EPA 624.1	n-Propylbenzene
GC-MS	EPA 8260C; EPA 624.1	p-Dioxane
GC-MS	EPA 8260C; EPA 624.1	p-Isopropyltoluene
GC-MS	EPA 8260C	Tert Amyl Alcohol
GC-MS	EPA 8260C; EPA 624.1	sec-Butylbenzene

Non-Potable Water		
GC-MS	EPA 8260C; EPA 624.1	tert-Butyl alcohol
GC-MS	EPA 8260C; EPA 624.1	tert-Butylbenzene
GC-MS	EPA 624.1	n- Butyl acetate
GC-MS	EPA 8260C; EPA 624.1	trans-1 2-Dichloroethylene
GC-MS	EPA 8260C; EPA 624.1	trans-1 3-Dichloropropylene
GC-MS	EPA 8260C; EPA 624.1	trans-1 4-Dichloro-2-butene
GC-MS	EPA 8260C	Cyclohexane
GC-MS	EPA 8260C	Cyclohexanone
GC-MS	EPA 8260C; EPA 624.1	1-Butanol
GC-MS	EPA 8260C; EPA 624.1	Tetrahydrofuran
GC-MS	EPA 8260C; EPA 624.1	1 1 2-Trichloro-1 2 2-trifluoroethane
GC-MS	EPA 8260C	Methyl acrylate
GC-MS	EPA 8260C; EPA 624.1	Methyl acetate
GC-MS	EPA 8260C	Hexachloroethane
GC-MS	EPA 8260C	Benzyl chloride
GC-MS	EPA 8260C; EPA 624.1	Methylcyclohexane
GC-MS	EPA 8260C	2,2,4-Trimethylpentane
GC-MS	EPA 625	2,3-Dichloroaniline
GC-MS	EPA 625	1-Methylphenanthrene
GC-MS	EPA 8270D; EPA 625.1	1 2 4 5-Tetrachlorobenzene
GC-MS	EPA 8270D; EPA 625.1	1 2 4-Trichlorobenzene
GC-MS	EPA 8270D; EPA 625.1	1 2-Dichlorobenzene
GC-MS	EPA 625.1	1,3-Dichlorobenzene
GC-MS	EPA 625.1	1,4-Dichlorobenzene
GC-MS	EPA 8270D; EPA 625.1	1 2-Diphenylhydrazine
GC-MS	EPA 8270D	1 3 5-Trinitrobenzene (1 3 5-TNB)
GC-MS	EPA 8270D	1 3-Dichlorobenzene
GC-MS	EPA 8270D	1 3-Dinitrobenzene (1 3-DNB)
GC-MS	EPA 8270D	1 4-Dichlorobenzene
GC-MS	EPA 8270D	1,4-Dioxane
GC-MS	EPA 8270D	1 4-Naphthoquinone
GC-MS	EPA 8270D	1 4-Phenylenediamine
GC-MS	EPA 8270D	1-Naphthylamine
GC-MS	EPA 8270D; EPA 625.1	2 3 4 6-Tetrachlorophenol

Non-Potable Water		
GC-MS	EPA 8270D; EPA 625.1	2 4 5-Trichlorophenol
GC-MS	EPA 8270D; EPA 625.1	2 4 6-Trichlorophenol
GC-MS	EPA 8270D; EPA 625.1	2 4-Dichlorophenol
GC-MS	EPA 8270D; EPA 625.1	2 4-Dimethylphenol
GC-MS	EPA 8270D; EPA 625.1	2 4-Dinitrophenol
GC-MS	EPA 8270D; EPA 625.1	2 4-Dinitrotoluene (2 4-DNT)
GC-MS	EPA 8270D; EPA 625.1	2 6-Dinitrotoluene (2 6-DNT)
GC-MS	EPA 8270D	2-Aminopyridine
GC-MS	EPA 8270D	2,4-Bipyridine
GC-MS	EPA 8270D; EPA 625.1	2-Chloronaphthalene
GC-MS	EPA 8270D; EPA 625.1	2-Chlorophenol
GC-MS	EPA 8270D; EPA 625.1	2-Methyl-4 6-dinitrophenol
GC-MS	EPA 8270D; EPA 625.1	2-Methylnaphthalene
GC-MS	EPA 8270D	1-Methylnaphthalene
GC-MS	EPA 8270D; EPA 625.1	2-Methylphenol (o-Cresol)
GC-MS	EPA 8270D	2-Naphthylamine
GC-MS	EPA 8270D; EPA 625.1	2-Nitroaniline
GC-MS	EPA 8270D; EPA 625.1	2-Nitrophenol
GC-MS	EPA 8270D	2-Picoline (2-Methylpyridine)
GC-MS	EPA 8270D; EPA 625.1	3 3`-Dichlorobenzidine
GC-MS	EPA 8270D	3 3`-Dimethylbenzidine
GC-MS	EPA 8270D	3-Methylcholanthrene
GC-MS	EPA 8270D	3-Methylphenol (m-Cresol)
GC-MS	EPA 8270D; EPA 625.1	3-Nitroaniline
GC-MS	EPA 8270D	4-Aminobiphenyl
GC-MS	EPA 8270D; EPA 625.1	4-Bromophenyl phenyl ether
GC-MS	EPA 8270D; EPA 625.1	4-Chloro-3-methylphenol
GC-MS	EPA 8270D; EPA 625.1	4-Chloroaniline
GC-MS	EPA 8270D; EPA 625.1	4-Chlorophenyl phenylether
GC-MS	EPA 8270D	4-Dimethyl aminoazobenzene
GC-MS	EPA 8270D; EPA 625.1	4-Methylphenol (p-Cresol)
GC-MS	EPA 8270D; EPA 625.1	4-Nitroaniline
GC-MS	EPA 8270D; EPA 625.1	4-Nitrophenol
GC-MS	EPA 8270D	5-Nitro-o-toluidine

Non-Potable Water		
GC-MS	EPA 8270D; EPA 625.1	7 12-Dimethylbenz(a) anthracene
GC-MS	EPA 8270D; EPA 625.1	Acenaphthene
GC-MS	EPA 8270D; EPA 625.1	Acenaphthylene
GC-MS	EPA 8270D; EPA 625.1	Acetophenone
GC-MS	EPA 8270D; EPA 625.1	Aniline
GC-MS	EPA 8270D; EPA 625.1	Anthracene
GC-MS	EPA 8270D	Aramite
GC-MS	EPA 8270D; EPA 625.1	Benzidine
GC-MS	EPA 8270D	Benzenethiol
GC-MS	EPA 8270D; EPA 625.1	Benzo(a)anthracene
GC-MS	EPA 8270D; EPA 625.1	Benzo(a)pyrene
GC-MS	EPA 8270D; EPA 625.1	Benzo(b)fluoranthene
GC-MS	EPA 8270D; EPA 625.1	Benzo(g h i)perylene
GC-MS	EPA 8270D; EPA 625.1	Benzo(k)fluoranthene
GC-MS	EPA 8270D; EPA 625.1	Benzoic acid
GC-MS	EPA 8270D	Benzyl alcohol
GC-MS	EPA 8270D; EPA 625.1	Butyl benzyl phthalate
GC-MS	EPA 8270D; EPA 625.1	Carbazole
GC-MS	EPA 8270D	Camphor
GC-MS	EPA 8270D	Catechol
GC-MS	EPA 8270D; EPA 625.1	Chrysene
GC-MS	EPA 8270D; EPA 625.1	Di-n-butyl phthalate
GC-MS	EPA 8270D; EPA 625.1	Di-n-octyl phthalate
GC-MS	EPA 8270D; EPA 625.1	Dibenz(a h)anthracene
GC-MS	EPA 8270D; EPA 625.1	Dibenz(a h)acridine
GC-MS	EPA 8270D; EPA 625.1	Dibenzofuran
GC-MS	EPA 8270D; EPA 625.1	Diethyl phthalate
GC-MS	EPA 8270D; EPA 625.1	Dimethyl phthalate
GC-MS	EPA 8270D	Dimethylnaphthalenes(total)
GC-MS	EPA 8270D	Diphenyl ether
GC-MS	EPA 8270D	Ethyl methanesulfonate
GC-MS	EPA 8270D; EPA 625.1	Fluoranthene
GC-MS	EPA 8270D; EPA 625.1	Fluorene
GC-MS	EPA 8270D	Guaifenesin

Non-Potable Water		
GC-MS	EPA 8270D; EPA 625.1	Hexachlorobenzene
GC-MS	EPA 8270D; EPA 625.1	Hexachlorobutadiene
GC-MS	EPA 8270D; EPA 625.1	Hexachlorocyclopentadiene
GC-MS	EPA 8270D; EPA 625.1	Hexachloroethane
GC-MS	EPA 8270D	Hexachlorophene
GC-MS	EPA 8270D	Hexachloropropene
GC-MS	EPA 8270D; EPA 625.1	Indeno(1 2 3-cd)pyrene
GC-MS	EPA 8270D; EPA 625.1	Isophorone
GC-MS	EPA 8270D; EPA 625.1	Isosafrole
GC-MS	EPA 8270D	Methapyrilene
GC-MS	EPA 8270D	Methyl methanesulfonate
GC-MS	EPA 8270D	6-Methyl Chrysene
GC-MS	EPA 8270D	Methyl Salicylate
GC-MS	EPA 8270D; EPA 625.1	Naphthalene
GC-MS	EPA 8270D; EPA 625.1	Nitrobenzene
GC-MS	EPA 8270D	Nitroquinoline-1-oxide
GC-MS	EPA 8270D; EPA 625.1	Pentachlorobenzene
GC-MS	EPA 8270D	Pentachloronitrobenzene
GC-MS	EPA 8270D; EPA 625.1	Pentachlorophenol
GC-MS	EPA 8270D	Phenacetin
GC-MS	EPA 8270D; EPA 625.1	Phenanthrene
GC-MS	EPA 8270D; EPA 625.1	Phenol
GC-MS	EPA 8270D	Pronamide (Kerb)
GC-MS	EPA 8270D; EPA 625.1	Pyrene
GC-MS	EPA 8270D; EPA 625.1	Pyridine
GC-MS	EPA 8270D	Quinoline
GC-MS	EPA 8270D	Safrole
GC-MS	EPA 8270D	Salicylamide
GC-MS	EPA 8270D	a-a-Dimethylphenethylamine
GC-MS	EPA 8270D; EPA 625.1	bis(2-Chloroethoxy)methane
GC-MS	EPA 8270D; EPA 625.1	bis(2-Chloroethyl) ether
GC-MS	EPA 8270D; EPA 625.1	bis(2-Chloroisopropyl) ether (2 2`-Oxybis(1-chloropropane))
GC-MS	EPA 8270D; EPA 625.1	bis(2-Ethylhexyl) phthalate (DEHP)

Non-Potable Water		
GC-MS	EPA 8270D; EPA 625.1	n-Nitroso-di-n-butylamine
GC-MS	EPA 8270D; EPA 625.1	n-Nitrosodi-n-propylamine
GC-MS	EPA 8270D; EPA 625.1	n-Nitrosodiethylamine
GC-MS	EPA 8270D; EPA 625.1	n-Nitrosodimethylamine
GC-MS	EPA 8270D; EPA 625.1	n-Nitrosodiphenylamine
GC-MS	EPA 8270D	n-Nitrosomethylethylamine
GC-MS	EPA 8270D	n-Nitrosomorpholine
GC-MS	EPA 8270D	n-Nitrosopiperidine
GC-MS	EPA 8270D; EPA 625.1	n-Nitrosopyrrolidine
GC-MS	EPA 8270D	o-Toluidine
GC-MS	EPA 8270D	Chlorobenzilate
GC-MS	EPA 8270D; EPA 625.1	Diallate
GC-MS	EPA 8270D	Dimethoate
GC-MS	EPA 8270D; EPA 625.1	Disulfoton
GC-MS	EPA 8270D	Famphur
GC-MS	EPA 8270D; EPA 625.1	Isodrin
GC-MS	EPA 8270D	Indene
GC-MS	EPA 8270D	Kepone
GC-MS	EPA 8270D; EPA 625.1	Methyl parathion (Parathion methyl)
GC-MS	EPA 8270D; EPA 625.1	Phorate
GC-MS	EPA 8270D	Thionazin (Zinophos)
GC-MS	EPA 8270D	o o o-Triethyl phosphorothioate
GC-MS	EPA 8270D	Pentachloroethane
GC-MS	EPA 8270D; EPA 625.1	Alpha-terpineol
GC-MS	EPA 8270D; EPA 625.1	Dinoseb
GC-MS	EPA 8270D; EPA 625.1	Parathion
GC-MS	EPA 8270D; EPA 625.1	1,1’-Biphenyl
GC-MS	EPA 8270D	Diphenylamine
GC-MS	EPA 8270D	Benzaldehyde
GC-MS	EPA 8270D; EPA 625.1	n-Decane
GC-MS	EPA 8270D; EPA 625.1	n-Octadecane
GC-MS	EPA 8270D; EPA 625.1	Caprolactam
GC-MS	EPA 8270D	Atrazine
GC-MS	EPA 8270D	Hydroquinone

Non-Potable Water		
GC-MS	EPA 8270D	Salicylic acid
GC-MS	EPA 8270D	Orto-tricresyl phosphate
GC-MS	EPA 8270D	Tricresyl phosphate
GC-MS	EPA 8270D	Tetraethyl dithiopyrophosphate
GC-MS-SIM	EPA 8270D; EPA 625.1	Benzo(a)anthracene
GC-MS-SIM	EPA 8270D; EPA 625.1	Benzo(a)pyrene
GC-MS-SIM	EPA 8270D; EPA 625.1	Benzo(b)fluoranthene
GC-MS-SIM	EPA 8270D; EPA 625.1	Benzo(k)fluoranthene
GC-MS-SIM	EPA 8270D; EPA 625.1	Dibenzo(a,h)anthracene
GC-MS-SIM	EPA 8270D; EPA 625.1	Hexachlorobenzene
GC-MS-SIM	EPA 625.1	Hexachlorobutadien
GC-MS-SIM	EPA 625.1	Hexachlorocyclopentadiene
GC-MS-SIM	EPA 8270D; EPA 625.1	Indeno(1,2,3-cd)pyrene
GC-MS-SIM	EPA 8270D; EPA 625.1	Pentachlorophenol
GC-MS-SIM	EPA 625	Phenol
GC-MS-SIM	EPA 8270D; EPA 625.1	Acenaphthene
GC-MS-SIM	EPA 8270D; EPA 625.1	Acenaphthylene
GC-MS-SIM	EPA 8270D; EPA 625.1	Anthracene
GC-MS-SIM	EPA 8270D; EPA 625.1	Benzo(g,h,i)perylene
GC-MS-SIM	EPA 8270D; EPA 625.1	Chrysene
GC-MS-SIM	EPA 8270D; EPA 625.1	2-methylnaphthalene
GC-MS-SIM	EPA 8270D; EPA 625.1	Naphthalene
GC-MS-SIM	EPA 8270D; EPA 625.1	Fluoranthene
GC-MS-SIM	EPA 8270D; EPA 625.1	Fluorene
GC-MS-SIM	EPA 8270D; EPA 625.1	Phenanthrene
GC-MS-SIM	EPA 8270D; EPA 625.1	Pyrene
GC-MS-SIM	EPA 8270D	1,4-dioxane
GC-MS-SIM	EPA 8270D; EPA 625.1	2-methyl-4,6-dinitrophenol
GC-MS-SIM	EPA 8270D	Hexachlorobutadiene
ICP-AES	EPA 6010D; EPA 200.7	Aluminum
ICP-AES	EPA 6010D; EPA 200.7	Antimony
ICP-AES	EPA 6010D; EPA 200.7	Arsenic
ICP-AES	EPA 6010D; EPA 200.7	Barium

Non-Potable Water		
ICP-AES	EPA 6010D; EPA 200.7	Beryllium
ICP-AES	EPA 6010D; EPA 200.7	Boron
ICP	EPA 200.7	Bismuth
ICP-AES	EPA 6010D; EPA 200.7	Cadmium
ICP-AES	EPA 6010D; EPA 200.7	Calcium
ICP-AES	EPA 6010D; EPA 200.7	Chromium
ICP-AES	EPA 6010D; EPA 200.7	Cobalt
ICP-AES	EPA 6010D; EPA 200.7	Copper
ICP	EPA 200.7	Hardness – total as CaCO3
ICP-AES	EPA 6010D; EPA 200.7	Iron
ICP-AES	EPA 6010D; EPA 200.7	Lead
ICP	EPA 6010D; EPA 200.7	Lithium
ICP-AES	EPA 6010D; EPA 200.7	Magnesium
ICP-AES	EPA 6010D; EPA 200.7	Manganese
ICP-AES	EPA 6010D; EPA 200.7	Molybdenum
ICP-AES	EPA 6010D; EPA 200.7	Nickel
ICP-AES	EPA 6010D; EPA 200.7	Potassium
ICP-AES	EPA 6010D; EPA 200.7	Selenium
ICP	EPA 200.7	Silica - dissolved
ICP	EPA 6010D; EPA 200.7	Silicon
ICP-AES	EPA 6010D; EPA 200.7	Silver
ICP-AES	EPA 6010D; EPA 200.7	Sodium
ICP-AES	EPA 6010D; EPA 200.7	Strontium
ICP	EPA 6010D; EPA 200.7	Sulfur
ICP-AES	EPA 6010D; EPA 200.7	Thallium
ICP-AES	EPA 6010D; EPA 200.7	Tin
ICP-AES	EPA 6010D; EPA 200.7	Titanium
ICP	EPA 6010D; EPA 200.7	Tungsten
ICP-AES	EPA 6010D; EPA 200.7	Vanadium
ICP-AES	EPA 6010D; EPA 200.7	Zinc
ICP	EPA 6010D; EPA 200.7	Zirconium
Atomic Fluorescence	EPA 245.7; EPA 1631E	Mercury
9222CVAA	EPA 7470A	Mercury
UV-VIS	EPA 7196A	Hexavalent Chromium

Non-Potable Water		
IC	EPA 7199	Hexavalent Chromium
IC	EPA 300.0; EPA 9056/A	Bromide
IC	EPA 300.0; EPA 9056/A	Chloride
IC	EPA 300.0; EPA 9056/A	Fluoride
IC	EPA 300.0; EPA 9056/A	Sulfate
Plating dilutions on Pseudomonas	SGS SOP EMB009	General Petroleum Degraders (GDP)
Pensky-Martens Closed-Cup	EPA 1010A	Ignitability
Electrometric Measurement	EPA 9040C	pH
Visual	SM 2110	Physical Description, Appearance
Gravimetry	EPA 1664A	Silica Gel Treated N-Hexane Extractable Material (Oil and Grease)
Gravimetry	SM 2540B-11	Total Solids
Gravimetry	EPA 1664A	N-Hexane Extractable Material (Oil and Grease)
Distillation / UV-Vis	EPA 9012B (Mod)	Total and Amenable Cyanide
Combustion / IR	EPA 9060A	Total Organic Carbon
Combustion / Titrimetry	EPA 9020B	Total Organic Halides
Titrimetry	EPA 9034	Acid-Soluble and Acid-Insoluble Sulfides
Electrode	EPA 9045C	pH
Colorimetry / Distillation	EPA 9066	Phenolics
Hydrometry	ASTM D1298-85	Specific Gravity
Titration	EPA 9034/ SW846 Chapter7	Sulfide reactivity
Viscometer	ASTM D445 ASTM D446	Viscosity at 40 deg. C
Ion Chromatography	SGS SOP DAYT-WET-0106	Acetic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Butyric Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Caproic Acid (Hexanoic Acid)
Ion Chromatography	SGS SOP DAYT-WET-0106	Formic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Isobutyric Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Isovaleric Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Lactic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Propionic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Pyruvic Acid

Non-Potable Water		
Ion Chromatography	SGS SOP DAYT-WET-0106	Valeric Acid
Preparation	**Method**	**Type**
TCLP Extraction	EPA 1311	Toxicity Characteristic Leaching Procedure
SPLP	EPA 1312	Synthetic Precipitation Leaching Procedure
Continuous liquid- liquid extraction	EPA 3520C	Semivolatile Organics
Acid Digestion	EPA 3005A EPA 3010A	Waters for Total Recoverable or Dissolved Metals
Distillation	SM 4500-CN I-11	Weak acid dissociable cyanide
Purge and Trap	EPA 5030B	Aqueous samples
Liquid Extraction	EPA 3510C	Semivolatile Separatory Funnel Liquid

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020/B	Aluminum
ICP-MS	EPA 6020/B	Antimony
ICP-MS	EPA 6020/B	Arsenic
ICP-MS	EPA 6020/B	Barium
ICP-MS	EPA 6020/B	Beryllium
ICP-MS	EPA 6020/B	Boron
ICP-MS	EPA 6020/B	Cadmium
ICP-MS	EPA 6020/B	Calcium
ICP-MS	EPA 6020/B	Chromium
ICP-MS	EPA 6020/B	Cobalt
ICP-MS	EPA 6020/B	Copper
ICP-MS	EPA 6020/B	Iron
ICP-MS	EPA 6020/B	Lead
ICP-MS	EPA 6020/B	Magnesium
ICP-MS	EPA 6020/B	Manganese
ICP-MS	EPA 6020/B	Molybdenum
ICP-MS	EPA 6020/B	Nickel
ICP-MS	EPA 6020/B	Potassium

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-MS	EPA 6020/B	Selenium
ICP-MS	EPA 6020/B	Silver
ICP-MS	EPA 6020/B	Sodium
ICP-MS	EPA 6020/B	Strontium
ICP-MS	EPA 6020/B	Thallium
ICP-MS	EPA 6020/B	Titanium
ICP-MS	EPA 6020/B	Tin
ICP-MS	EPA 6020/B	Vanadium
ICP-MS	EPA 6020/B	Zinc
GC-FID	EPA 8015C	Diesel range organics (DRO)
GC-FID	EPA 8015C	Gasoline range organics (GRO)
GC-FID	EPA 8015C	Ethanol
GC-FID	EPA 8015C	Isobutyl alcohol (2-Methyl-1-propanol)
GC-FID	EPA 8015C	Isopropyl alcohol (2-Propanol)
GC-FID	EPA 8015C	Methanol
GC-FID	EPA 8015C	Tert-butyl alcohol
GC-FID	NJDEP-EPH	Extractable Petroleum Hydrocarbons
GC-FID	CT-ETPH	Extractable Petroleum Hydrocarbons
GC-ECD	EPA 8081B	4 4`-DDD
GC-ECD	EPA 8081B	4 4`-DDE
GC-ECD	EPA 8081B	4 4`-DDT
GC-ECD	EPA 8081B	Aldrin
GC-ECD	EPA 8081B	Chlordane (tech.)
GC-ECD	EPA 8081B	Dieldrin
GC-ECD	EPA 8081B	Endosulfan I
GC-ECD	EPA 8081B	Endosulfan II
GC-ECD	EPA 8081B	Endosulfan sulfate
GC-ECD	EPA 8081B	Endrin
GC-ECD	EPA 8081B	Endrin aldehyde
GC-ECD	EPA 8081B	Endrin ketone
GC-ECD	EPA 8081B	Heptachlor
GC-ECD	EPA 8081B	Heptachlor epoxide

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-ECD	EPA 8081B	Methoxychlor
GC-ECD	EPA 8081B	Toxaphene (Chlorinated camphene)
GC-ECD	EPA 8081B	alpha-BHC (alpha-Hexachlorocyclohexane)
GC-ECD	EPA 8081B	alpha-Chlordane
GC-ECD	EPA 8081B	beta-BHC (beta-Hexachlorocyclohexane)
GC-ECD	EPA 8081B	delta-BHC
GC-ECD	EPA 8081B	gamma-BHC (Lindane gamma-Hexachlorocyclohexane)
GC-ECD	EPA 8081B	gamma-Chlordane
GC-ECD	EPA 8081B	Mirex
GC-ECD	EPA 8082/A	Aroclor-1016 (PCB-1016)
GC-ECD	EPA 8082/A	Aroclor-1221 (PCB-1221)
GC-ECD	EPA 8082/A	Aroclor-1232 (PCB-1232)
GC-ECD	EPA 8082/A	Aroclor-1242 (PCB-1242)
GC-ECD	EPA 8082/A	Aroclor-1248 (PCB-1248)
GC-ECD	EPA 8082/A	Aroclor-1254 (PCB-1254)
GC-ECD	EPA 8082/A	Aroclor-1260 (PCB-1260)
GC-ECD	EPA 8082A	Aroclor-1262 (PCB-1262)
GC-ECD	EPA 8082/A	Aroclor-1268 (PCB-1268)
GC-ECD	EPA 8151A	2 4 5-T
GC-ECD	EPA 8151A	2 4-D
GC-ECD	EPA 8151A	2 4-DB
GC-ECD	EPA 8151A	Dalapon
GC-ECD	EPA 8151A	Dicamba
GC-ECD	EPA 8151A	Dichloroprop (Dichlorprop)
GC-ECD	EPA 8151A	Dinoseb (2-sec-butyl-4 6-dinitrophenol DNBP)
GC-ECD	EPA 8151A	MCPA
GC-ECD	EPA 8151A	MCPP
GC-ECD	EPA 8151A	Pentachlorophenol
GC-ECD	EPA 8151A	Silvex (2 4 5-TP)
GC-ECD	EPA 8151A	Picloram

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-FID	EPA RSK-175	Ethane
GC-FID	EPA RSK-175	Ethene
GC-FID	EPA RSK-175	Methane
GC-FID	EPA RSK-175	Propane
GC-MS	EPA 8260C SIM	Ethylene glycol
GC-MS	EPA 8260C SIM	Propylene glycol
GC-MS	EPA 8260C	1 1 1 2-Tetrachloroethane
GC-MS	EPA 8260C	1 1 1-Trichloroethane
GC-MS	EPA 8260C	1 1 2 2-Tetrachloroethane
GC-MS	EPA 8260C	1 1 2-Trichloroethane
GC-MS	EPA 8260C	1 1-Dichloroethane
GC-MS	EPA 8260C	1 1-Dichloroethylene
GC-MS	EPA 8260C	1 1-Dichloropropene
GC-MS	EPA 8260C	1 2 3-Trichlorobenzene
GC-MS	EPA 8260C	1 2 3-Trichloropropane
GC-MS	EPA 8260C	1 2 4-Trichlorobenzene
GC-MS	EPA 8260C	1 2 4-Trimethylbenzene
GC-MS	EPA 8260C	1 2-Dibromo-3-chloropropane (DBCP)
GC-MS	EPA 8260C	1 2-Dibromoethane (EDB Ethylene dibromide)
GC-MS	EPA 8260C	1 2-Dichlorobenzene
GC-MS	EPA 8260C	1 2-Dichloroethane
GC-MS	EPA 8260C	1,1-Dichloro-1-fluoroethane
GC-MS	EPA 8260C	1-Chloro-1,1-difluoroethane
GC-MS	EPA 8260C	1 2-Dichloropropane
GC-MS	EPA 8260C	1 3 5-Trimethylbenzene
GC-MS	EPA 8260C	1,2,3-Trimethylbenzene
GC-MS	EPA 8260C	1,2,4,5-Tetramethylbenzene
GC-MS	EPA 8260C	1 3-Dichlorobenzene
GC-MS	EPA 8260C	1 3-Dichloropropane
GC-MS	EPA 8260C	1 4-Dichlorobenzene
GC-MS	EPA 8260C	3,3-Dimethyl-1-Butanol
GC-MS	EPA 8260C	1-Chlorohexane

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260C	2 2-Dichloropropane
GC-MS	EPA 8260C	2-Butanone (Methyl ethyl ketone MEK)
GC-MS	EPA 8260C	2-Chloroethyl vinyl ether
GC-MS	EPA 8260C	2-Chlorotoluene
GC-MS	EPA 8260C	2-Hexanone
GC-MS	EPA 8260C	2-Nitropropane
GC-MS	EPA 8260C	4-Chlorotoluene
GC-MS	EPA 8260C	4-Methyl-2-pentanone (MIBK)
GC-MS	EPA 8260C	Acetone
GC-MS	EPA 8260C	Acetonitrile
GC-MS	EPA 8260C	Acrolein (Propenal)
GC-MS	EPA 8260C	Acrylonitrile
GC-MS	EPA 8260C	Allyl chloride (3-Chloropropene)
GC-MS	EPA 8260C	Benzene
GC-MS	EPA 8260C	Bromobenzene
GC-MS	EPA 8260C	Bromochloromethane
GC-MS	EPA 8260C	Bromodichloromethane
GC-MS	EPA 8260C	Bromoform
GC-MS	EPA 8260C	1,3-Butadiene
GC-MS	EPA 8260C	t-Butyl formate
GC-MS	EPA 8260C	Carbon disulfide
GC-MS	EPA 8260C	Carbon tetrachloride
GC-MS	EPA 8260C	Chlorobenzene
GC-MS	EPA 8260C	Chloroethane
GC-MS	EPA 8260C	Chloroform
GC-MS	EPA 8260C	Chloroprene
GC-MS	EPA 8260C	Di-isopropylether (DIPE)
GC-MS	EPA 8260C	Dibromochloromethane
GC-MS	EPA 8260C	Dibromomethane
GC-MS	EPA 8260C	Dichlorodifluoromethane
GC-MS	EPA 8260C	p-Diethylbenzene
GC-MS	EPA 8260C	Diethyl ether

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260C	Epichlorohydrin
GC-MS	EPA 8260C	Ethanol
GC-MS	EPA 8260C	Ethyl acetate
GC-MS	EPA 8260C	Ethyl methacrylate
GC-MS	EPA 8260C	Ethyl-t-butylether (ETBE)
GC-MS	EPA 8260C	Ethylbenzene
GC-MS	EPA 8260C	p-Ethyltoluene
GC-MS	EPA 8260C	n-Heptane
GC-MS	EPA 8260C	Hexachlorobutadiene
GC-MS	EPA 8260C	n-Hexane
GC-MS	EPA 8260C	Iodomethane (Methyl iodide)
GC-MS	EPA 8260C	Isobutyl alcohol (2-Methyl-1-propanol)
GC-MS	EPA 8260C	Isopropyl acetate
GC-MS	EPA 8260C	Isopropylbenzene
GC-MS	EPA 8260C	Methacrylonitrile
GC-MS	EPA 8260C	Methyl bromide (Bromomethane)
GC-MS	EPA 8260C	Methyl chloride (Chloromethane)
GC-MS	EPA 8260C	Methyl methacrylate
GC-MS	EPA 8260C	Methyl tert-butyl ether (MTBE)
GC-MS	EPA 8260C	Methylene chloride
GC-MS	EPA 8260C	Naphthalene
GC-MS	EPA 8260C	Pentachloroethane
GC-MS	EPA 8260C	Propionitrile (Ethyl cyanide)
GC-MS	EPA 8260C	Propylene
GC-MS	EPA 8260C	Styrene
GC-MS	EPA 8260C	T-amylmethylether (TAME)
GC-MS	EPA 8260C	Tetrachloroethylene (Perchloroethylene)
GC-MS	EPA 8260C	Toluene
GC-MS	EPA 8260C	Trichloroethene (Trichloroethylene)
GC-MS	EPA 8260C	Trichlorofluoromethane
GC-MS	EPA 8260C	Vinyl acetate
GC-MS	EPA 8260C	Vinyl chloride

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8260C	o-Xylene
GC-MS	EPA 8260C	Xylene (total)
GC-MS	EPA 8260C	cis-1 2-Dichloroethylene
GC-MS	EPA 8260C	cis-1 3-Dichloropropene
GC-MS	EPA 8260C	n-Butylbenzene
GC-MS	EPA 8260C	n-Propylbenzene
GC-MS	EPA 8260C	p-Dioxane
GC-MS	EPA 8260C	p-Isopropyltoluene
GC-MS	EPA 8260C	sec-Butylbenzene
GC-MS	EPA 8260C	tert-Butyl alcohol
GC-MS	EPA 8260C	tert-Butylbenzene
GC-MS	EPA 8260C	trans-1 2-Dichloroethylene
GC-MS	EPA 8260C	trans-1 3-Dichloropropylene
GC-MS	EPA 8260C	trans-1 4-Dichloro-2-butene
GC-MS	EPA 8260C	Cyclohexane
GC-MS	EPA 8260C	Cyclohexanone
GC-MS	EPA 8260C	1-Butanol
GC-MS	EPA 8260C	Tetrahydrofuran
GC-MS	EPA 8260C	1 1 2-Trichloro-1 2 2-trifluoroethane
GC-MS	EPA 8260C	Methyl acrylate
GC-MS	EPA 8260C	Methyl acetate
GC-MS	EPA 8260C	Hexachloroethane
GC-MS	EPA 8260C	Methylcyclohexane
GC-MS	EPA 8260C	2,2,4-Trimethylpentane
GC-MS	EPA 8260C	1,1,1-Trifluoroethane
GC-MS	EPA 8270D	1 2 4 5-Tetrachlorobenzene
GC-MS	EPA 8270D	1 2 4-Trichlorobenzene
GC-MS	EPA 8270D	1 2-Dichlorobenzene
GC-MS	EPA 8270D	1 2-Diphenylhydrazine
GC-MS	EPA 8270D	1 3 5-Trinitrobenzene (1 3 5-TNB)
GC-MS	EPA 8270D	1 3-Dichlorobenzene
GC-MS	EPA 8270D	1 3-Dinitrobenzene (1 3-DNB)

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270D	1 4-Dichlorobenzene
GC-MS	EPA 8270D	1 4-Naphthoquinone
GC-MS	EPA 8270D	1-Naphthylamine
GC-MS	EPA 8270D	2 3 4 6-Tetrachlorophenol
GC-MS	EPA 8270D	2 4 5-Trichlorophenol
GC-MS	EPA 8270D	2 4 6-Trichlorophenol
GC-MS	EPA 8270D	2 4-Dichlorophenol
GC-MS	EPA 8270D	2 4-Dimethylphenol
GC-MS	EPA 8270D	2 4-Dinitrophenol
GC-MS	EPA 8270D	2 4-Dinitrotoluene (2 4-DNT)
GC-MS	EPA 8270D	2 6-Dichlorophenol
GC-MS	EPA 8270D	2 6-Dinitrotoluene (2 6-DNT)
GC-MS	EPA 8270D	2-Acetylaminofluorene
GC-MS	EPA 8270D	2-Chloronaphthalene
GC-MS	EPA 8270D	2-Chlorophenol
GC-MS	EPA 8270D	2-Methyl-4 6-dinitrophenol
GC-MS	EPA 8270D	2-Methylnaphthalene
GC-MS	EPA 8270D	2-Methylphenol (o-Cresol)
GC-MS	EPA 8270D	2-Naphthylamine
GC-MS	EPA 8270D	2-Nitroaniline
GC-MS	EPA 8270D	2-Nitrophenol
GC-MS	EPA 8270D	2-Picoline (2-Methylpyridine)
GC-MS	EPA 8270D	3 3`-Dichlorobenzidine
GC-MS	EPA 8270D	3-Methylcholanthrene
GC-MS	EPA 8270D	3-Methylphenol (m-Cresol)
GC-MS	EPA 8270D	3-Nitroaniline
GC-MS	EPA 8270D	4-Aminobiphenyl
GC-MS	EPA 8270D	4-Bromophenyl phenyl ether
GC-MS	EPA 8270D	4-Chloro-3-methylphenol
GC-MS	EPA 8270D	4-Chloroaniline
GC-MS	EPA 8270D	4-Chlorophenyl phenylether
GC-MS	EPA 8270D	4-Dimethyl aminoazobenzene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270D	4-Methylphenol (p-Cresol)
GC-MS	EPA 8270D	4-Nitroaniline
GC-MS	EPA 8270D	4-Nitrophenol
GC-MS	EPA 8270D	5-Nitro-o-toluidine
GC-MS	EPA 8270D	7 12-Dimethylbenz(a) anthracene
GC-MS	EPA 8270D	Acenaphthene
GC-MS	EPA 8270D	Acenaphthylene
GC-MS	EPA 8270D	Acetophenone
GC-MS	EPA 8270D	Aniline
GC-MS	EPA 8270D	Anthracene
GC-MS	EPA 8270D	Aramite
GC-MS	EPA 8270D	Benzidine
GC-MS	EPA 8270D	Benzo(a)anthracene
GC-MS	EPA 8270D	Benzo(a)pyrene
GC-MS	EPA 8270D	Benzo(b)fluoranthene
GC-MS	EPA 8270D	Benzo(g h i)perylene
GC-MS	EPA 8270D	Benzo(k)fluoranthene
GC-MS	EPA 8270D	Benzenethiol
GC-MS	EPA 8270D	Benzoic acid
GC-MS	EPA 8270D	Benzyl alcohol
GC-MS	EPA 8270D	Butyl benzyl phthalate
GC-MS	EPA 8270D	Carbazole
GC-MS	EPA 8270D	Chrysene
GC-MS	EPA 8270D	Camphor
GC-MS	EPA 8270D	Catechol
GC-MS	EPA 8270D	Di-n-butyl phthalate
GC-MS	EPA 8270D	Di-n-octyl phthalate
GC-MS	EPA 8270D	Dibenz(a h)anthracene
GC-MS	EPA 8270D	Dibenz(a j)acridine
GC-MS	EPA 8270D	Dibenzofuran
GC-MS	EPA 8270D	Diethyl phthalate
GC-MS	EPA 8270D	Dimethyl phthalate

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270D	Ethyl methanesulfonate
GC-MS	EPA 8270D	Famphur
GC-MS	EPA 8270D	Fluoranthene
GC-MS	EPA 8270D	Fluorene
GC-MS	EPA 8270D	Guaifenesin
GC-MS	EPA 8270D	Hexachlorobenzene
GC-MS	EPA 8270D	Hexachlorobutadiene
GC-MS	EPA 8270D	Hexachlorocyclopentadiene
GC-MS	EPA 8270D	Hexachloroethane
GC-MS	EPA 8270D	Hexachloropropene
GC-MS	EPA 8270D	Hexachlorophene
GC-MS	EPA 8270D	Indene
GC-MS	EPA 8270D	Indeno(1 2 3-cd)pyrene
GC-MS	EPA 8270D	Isophorone
GC-MS	EPA 8270D	Isosafrole
GC-MS	EPA 8270D	Methyl methanesulfonate
GC-MS	EPA 8270D	1-Methylnaphthalene
GC-MS	EPA 8270D	6-Methyl chrysene
GC-MS	EPA 8270D	Methyl salicylate
GC-MS	EPA 8270D	Naphthalene
GC-MS	EPA 8270D	Nitrobenzene
GC-MS	EPA 8270D	Nitroquinoline-1-oxide
GC-MS	EPA 8270D	Pentachlorobenzene
GC-MS	EPA 8270D	Pentachloronitrobenzene
GC-MS	EPA 8270D	Pentachlorophenol
GC-MS	EPA 8270D	Phenacetin
GC-MS	EPA 8270D	Phenanthrene
GC-MS	EPA 8270D	Phenol
GC-MS	EPA 8270D	1,4-Phenylenediamine
GC-MS	EPA 8270D	Pronamide (Kerb)
GC-MS	EPA 8270D	Pyrene
GC-MS	EPA 8270D	Pyridine

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270D	Quinoline
GC-MS	EPA 8270D	Safrole
GC-MS	EPA 8270D	Salicylic acid
GC-MS	EPA 8270D	Salicylamide
GC-MS	EPA 8270D	a-a-Dimethylphenethylamine
GC-MS	EPA 8270D	bis(2-Chloroethoxy)methane
GC-MS	EPA 8270D	bis(2-Chloroethyl) ether
GC-MS	EPA 8270D	bis(2-Chloroisopropyl) ether (2 2`-Oxybis(1-chloropropane))
GC-MS	EPA 8270D	bis(2-Ethylhexyl) phthalate (DEHP)
GC-MS	EPA 8270D	n-Nitroso-di-n-butylamine
GC-MS	EPA 8270D	n-Nitrosodi-n-propylamine
GC-MS	EPA 8270D	n-Nitrosodiethylamine
GC-MS	EPA 8270D	n-Nitrosodimethylamine
GC-MS	EPA 8270D	n-Nitrosodiphenylamine
GC-MS	EPA 8270D	n-Nitrosomethylethylamine
GC-MS	EPA 8270D	n-Nitrosomorpholine
GC-MS	EPA 8270D	n-Nitrosopiperidine
GC-MS	EPA 8270D	n-Nitrosopyrrolidine
GC-MS	EPA 8270D	o-Toluidine
GC-MS	EPA 8270D	Chlorobenzilate
GC-MS	EPA 8270D	Diallate
GC-MS	EPA 8270D	Dimethoate
GC-MS	EPA 8270D	Disulfoton
GC-MS	EPA 8270D	Isodrin
GC-MS	EPA 8270D	Kepone
GC-MS	EPA 8270D	Methyl parathion (Parathion methyl)
GC-MS	EPA 8270D	Phorate
GC-MS	EPA 8270D	Thionazin (Zinophos)
GC-MS	EPA 8270D	o o o-Triethyl phosphorothioate
GC-MS	EPA 8270D	Pentachloroethane
GC-MS	EPA 8270D	Alpha-terpineol
GC-MS	EPA 8270D	Dinoseb

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
GC-MS	EPA 8270D	Parathion
GC-MS	EPA 8270D	1,1'-Biphenyl
GC-MS	EPA 8270D	Diphenylamine
GC-MS	EPA 8270D	Benzaldehyde
GC-MS	EPA 8270D	n-Decane
GC-MS	EPA 8270D	n-Octadecane
GC-MS	EPA 8270D	Caprolactam
GC-MS	EPA 8270D	Atrazine
GC-MS	EPA 8270D	Hydroquinone
GC-MS-SIM	EPA 8270D	Benzo(a)anthracene
GC-MS-SIM	EPA 8270D	Benzo(a)pyrene
GC-MS-SIM	EPA 8270D	Benzo(b)fluoranthene
GC-MS-SIM	EPA 8270D	Benzo(k)fluoranthene
GC-MS-SIM	EPA 8270D	Dibenzo(a,h)anthracene
GC-MS-SIM	EPA 8270D	Hexachlorobenzene
GC-MS-SIM	EPA 8270D	Indeno(1,2,3-cd)pyrene
GC-MS-SIM	EPA 8270D	Pentachlorophenol
GC-MS-SIM	EPA 8270D	Acenaphthene
GC-MS-SIM	EPA 8270D	Acenaphthylene
GC-MS-SIM	EPA 8270D	Anthracene
GC-MS-SIM	EPA 8270D	Benzo(g,h,i)perylene
GC-MS-SIM	EPA 8270D	Chrysene
GC-MS-SIM	EPA 8270D	2-methylnaphthalene
GC-MS-SIM	EPA 8270D	Naphthalene
GC-MS-SIM	EPA 8270D	Fluoranthene
GC-MS-SIM	EPA 8270D	Fluorene
GC-MS-SIM	EPA 8270D	Phenanthrene
GC-MS-SIM	EPA 8270D	Pyrene
GC-MS-SIM	EPA 8270D	1,4-dioxane
GC-MS-SIM	EPA 8270D	2-methyl-4,6-dinitrophenol
GC-MS-SIM	EPA 8270D	Hexachlororbenzene
GC-MS-SIM	EPA 8270D	Hexachlorobutadiene

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
ICP-AES	EPA 6010D	Aluminum
ICP-AES	EPA 6010D	Antimony
ICP-AES	EPA 6010D	Arsenic
ICP-AES	EPA 6010D	Barium
ICP-AES	EPA 6010D	Beryllium
ICP-AES	EPA 6010D	Boron
ICP-AES	EPA 6010D	Cadmium
ICP-AES	EPA 6010D	Calcium
ICP-AES	EPA 6010D	Chromium
ICP-AES	EPA 6010D	Cobalt
ICP-AES	EPA 6010D	Copper
ICP-AES	EPA 6010D	Iron
ICP-AES	EPA 6010D	Lead
ICP-AES	EPA 6010D	Lithium
ICP-AES	EPA 6010D	Magnesium
ICP-AES	EPA 6010D	Manganese
ICP-AES	EPA 6010D	Molybdenum
ICP-AES	EPA 6010D	Nickel
ICP-AES	EPA 6010D	Potassium
ICP-AES	EPA 6010D	Selenium
ICP-AES	EPA 6010D	Silver
ICP	EPA 6010D	Silicon
ICP	EPA 6010D	Sulfur
ICP-AES	EPA 6010D	Sodium
ICP-AES	EPA 6010D	Strontium
ICP-AES	EPA 6010D	Thallium
ICP-AES	EPA 6010D	Tin
ICP-AES	EPA 6010D	Titanium
ICP-AES	EPA 6010D	Tungsten
ICP-AES	EPA 6010D	Vanadium
ICP-AES	EPA 6010D	Zinc
ICP-AES	EPA 6010D	Zirconium

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
CVAA	EPA 6010D	Mercury
Calculation	EPA 6010D; EPA 7196A	Trivalent Chromium
UV-VIS	EPA 7196A	Hexavalent Chromium
IC	EPA 7199	Hexavalent Chromium
IC	EPA 9056/A	Bromide
IC	EPA 9056/A	Chloride
IC	EPA 9056/A	Fluoride
IC	EPA 9056/A	Sulfate
IC	EPA 314	Perchlorate
Muffle furnace at high temperatures	ASTM D482-91	Percent Ash
Combustion	ASTM D129-95	Percent Sulfur
Bomb Calorimeter	ASTM D240	Heat of combustion (BTU)
Electrometric titration	SM 2320 B-11	Alkalinity as CaCO3
Calculation	SM 4500-CO2 D-11	Alkalinity, bicarbonate
Calculation	SM 4500-CO2 D-11	Alkalinity, carbonate
Extraction	ASTM D473-81	Base sediment
Plating dilutions on Pseudomonas Agar	SGS SOP EMB009	General Petroleum Degraders (GPD)
Ignitability	EPA 1010A	Pensky-Martens Closed-Cup
Mix with Water or Calcium Chloride	EPA 9045C	Hydrogen Ion, pH
Extraction, microcoulometry	EPA 9023	Total Halides
Automated Colorimetry	EPA 7.3.3.2	Hydrogen Cyanide Released from Wastes: SW 846 Chapter 7
Automated Colorimetry	EPA 7.3.4.2	Hydrogen Sulfide Released from Wastes: SW 846 Chapter 7
Extraction / Gravimetry	EPA 1664A	Silica Gen Treated N-Hexane Extractable Material (Oil and Grease)
Gravimetry	EPA 9071B	Oil and Grease Extraction Method for sludge and sediment samples
Gravimetry	SM 2540B (Mod)	% Solids
Gravimetry	ASTM D2937-94	Bulk density(dry basis)
Distillation / Colorimetry	SM 4500-CN G-11 EPA 9012B (Mod)	Total and Amenable Cyanide

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
Combustion	Lloyd Kahn	Total Organic Carbon
Combustion / IR	EPA 9060A	Total Organic Carbon
Calculation	ASTM D2974-00	Total Organic Content
Quantitation	ASTM D422-63	%Gravel, %Sand, % Silt, Clay, Colloids
Spectrophotometry	SM 4500-NO2 B-11	Nitrogen, Nitrite
Calculation	SM 4500 A-11	Nitrogen, Total
Titrimetry	EPA 9034	Acid-Soluble and Acid-Insoluble Sulfides
Electrode	EPA 9040C	pH
Heating	ASTM D97-87	Pour Point
Combustion	EPA 5050	Chlorine-total, solid waste
Oven	ASTM D2216-92	Moisture percent
Oven	ASTM D2216-92	Moisture (Dry weight basis)
Extraction	SM 5540 D-11	Nonionic Surfactants
Meter with a combined electrode	ASTM D1498-76	Oxidation-Reduction Potential
Calculation	SM 2510 A-11	Resistivity
Titration	SM 4500-S2 C, F-11 EPA 9034	Sulfide, Neutral Extraction
Titration	EPA 9034/SW846 Chapter7	Sulfide reactivity
Lead acetate paper	SM 4500-S2 A-11	Sulfide screen
Condensation	ASTM D95-83	Water Content
Preparation	**Method**	**Type**
Acid Digestion	EPA 3050B	Sediments, Sludges, and Soils
Handling of solid samples	EPA 5035A	Volatile Organics in Soil and Waste Samples
Soxhlet Extraction	EPA 3540C	Semivolatile Extraction
Ultrasonic Extraction	EPA 3550B/C	Semivolatile Extraction
Microwave extraction	EPA 3546	Semivolatile organics
Waste dilution	EPA 3580A	Organics
Alumina Cleanup	EPA 3610B	Semivolatile Extraction - Cleanup
Florisil Cleanup	EPA 3620B/C	Semivolatile Extraction - Cleanup

Solid and Chemical Materials		
Technology	**Method**	**Analyte**
Silica gel cleanup	EPA 3630C	Semivolatile Extraction - Cleanup
Acid base partition cleanup	EPA 3650B	Semivolatile Extraction - Cleanup
Sulfur cleanup	EPA 3660B	Semivolatile Extraction - Cleanup
Sulfuric Acid / permanganate Cleanup	EPA 3665A	Semivolatile Extraction - Cleanup
Alkaline Digestion	EPA 3060A	Hexavalent Chromium
TCLP Extraction	EPA 1311	Toxicity Characteristic Leaching Procedure
SPLP	EPA 1312	Synthetic Precipitation Leaching Procedure
Distillation	SM 4500-CN I-11	Weak acid dissociable cyanide
Extraction / Combustion	EPA 9023	Extractable Organic Halides (EOX)

Air		
Technology	**Method**	**Analyte**
GC-MS	EPA TO-15	Acetaldehyde
GC-MS	EPA TO-15	Acetone
GC-MS	EPA TO-15	Acetophenone
GC-MS	EPA TO-15	Acrolein
GC-MS	EPA TO-15	Acrylamide
GC-MS	EPA TO-15	Acrylic acid
GC-MS	EPA TO-15	Allyl chloride
GC-MS	EPA TO-15	Benzene
GC-MS	EPA TO-15	Benzyl chloride
GC-MS	EPA TO-15	Propriolactone (beta-)
GC-MS	EPA TO-15	Bis (2-chloroethyl) ether
GC-MS	EPA TO-15	Bis (chloromethyl) ether
GC-MS	EPA TO-15	Bromodichloromethane
GC-MS	EPA TO-15	Bromoform
GC-MS	EPA TO-15	Bromomethane
GC-MS	EPA TO-15	Butadiene (1,3-)

Air		
Technology	**Method**	**Analyte**
GC-MS	EPA TO-15	Carbon disulfide
GC-MS	EPA TO-15	Carbon tetrachloride
GC-MS	EPA TO-15	Carbon oxysulfide (Carbonyl sulfide)
GC-MS	EPA TO-15	Catechol
GC-MS	EPA TO-15	Butadiene (2-chloro-1,3-)
GC-MS	EPA TO-15	Chloroacetic acid
GC-MS	EPA TO-15	Chlorobenzene
GC-MS	EPA TO-15	Chloroethane
GC-MS	EPA TO-15	Chloroform
GC-MS	EPA TO-15	Chloromethane
GC-MS	EPA TO-15	Chloromethyl methyl ether
GC-MS	EPA TO-15	Chlorotoluene (2-)
GC-MS	EPA TO-15	Cresols/Cresylic acid
GC-MS	EPA TO-15	Cyclohexane
GC-MS	EPA TO-15	Diazomethane
GC-MS	EPA TO-15	Dibromochloromethane
GC-MS	EPA TO-15	Dibromo-3-chloropropane (1,2-)
GC-MS	EPA TO-15	Dibromoethane (1,2-) (EDB)
GC-MS	EPA TO-15	Dichlorobenzene (1,2-)
GC-MS	EPA TO-15	Dichlorobenzene (1,3-)
GC-MS	EPA TO-15	Dichlorobenzene (1,4-)
GC-MS	EPA TO-15	Dichlorodifluoromethane
GC-MS	EPA TO-15	Dichloroethane (1,1-)
GC-MS	EPA TO-15	Dichloroethane (1,2-)
GC-MS	EPA TO-15	Dichloroethene (1,1-)
GC-MS	EPA TO-15	Dichloroethene (cis-1,2-)
GC-MS	EPA TO-15	Dichloroethene (trans-1,2-)
GC-MS	EPA TO-15	Dichlorofluoromethane
GC-MS	EPA TO-15	Dichloropropane (1,2-)
GC-MS	EPA TO-15	Dichloropropene (cis-1,3-)
GC-MS	EPA TO-15	Dichloropropene (trans-1,3-)
GC-MS	EPA TO-15	Dichlorotetrafluoroethane (1,2-)

Air		
Technology	**Method**	**Analyte**
GC-MS	EPA TO-15	Diethyl sulfate
GC-MS	EPA TO-15	Dimethyl sulfate
GC-MS	EPA TO-15	Dimethylcarbamoyl chloride
GC-MS	EPA TO-15	Dimethyl formamide (N,N-)
GC-MS	EPA TO-15	Dioxane (1,4-)
GC-MS	EPA TO-15	Epichlorohydrin
GC-MS	EPA TO-15	Epoxybutane (1,2-)
GC-MS	EPA TO-15	Ethanol
GC-MS	EPA TO-15	Ethyl acetate
GC-MS	EPA TO-15	Ethyl acrylate
GC-MS	EPA TO-15	Ethyl carbamate (Urethane)
GC-MS	EPA TO-15	Ethylbenzene
GC-MS	EPA TO-15	Ethylene Oxide
GC-MS	EPA TO-15	Ethyltoluene (4-)
GC-MS	EPA TO-15	Formaldehyde
GC-MS	EPA TO-15	Hexachlorobutadiene (1,3-)
GC-MS	EPA TO-15	Hexachloroethane
GC-MS	EPA TO-15	Hexanone (2-)
GC-MS	EPA TO-15	Heptane (n-)
GC-MS	EPA TO-15	Hexane (n-)
GC-MS	EPA TO-15	Isophorone
GC-MS	EPA TO-15	Isopropanol
GC-MS	EPA TO-15	Isopropylbenzene
GC-MS	EPA TO-15	Methyl alcohol (Methanol)
GC-MS	EPA TO-15	Methyl ethyl ketone
GC-MS	EPA TO-15	Methyl iodide
GC-MS	EPA TO-15	Methyl isobutyl ketone
GC-MS	EPA TO-15	Methyl isocyanate
GC-MS	EPA TO-15	Methyl methacrylate
GC-MS	EPA TO-15	Methyl tert-butyl ether
GC-MS	EPA TO-15	Methylene chloride (Dichloromethane)
GC-MS	EPA TO-15	Methylphenol (2-)

Air		
Technology	**Method**	**Analyte**
GC-MS	EPA TO-15	Naphthalene
GC-MS	EPA TO-15	Nitrobenzene
GC-MS	EPA TO-15	Nitropropane (2-)
GC-MS	EPA TO-15	N-Nitrosodimethylamine
GC-MS	EPA TO-15	N-Nitrosomorpholine
GC-MS	EPA TO-15	N-Nitroso-N-methylurea
GC-MS	EPA TO-15	Phenol
GC-MS	EPA TO-15	Phosgene
GC-MS	EPA TO-15	Propionaldehyde
GC-MS	EPA TO-15	Propylbenzene (-n)
GC-MS	EPA TO-15	Propylene
GC-MS	EPA TO-15	Propylene oxide
GC-MS	EPA TO-15	Propane sultone (1,3-)
GC-MS	EPA TO-15	Styrene
GC-MS	EPA TO-15	Styrene oxide
GC-MS	EPA TO-15	Trichlorobenzene (1,2,4-)
GC-MS	EPA TO-15	Trimethylbenzene (1,3,5-)
GC-MS	EPA TO-15	Trimethylbenzene (1,2,4-)
GC-MS	EPA TO-15	Trimethylpentane (2,2,4-)
GC-MS	EPA TO-15	Tert-butyl alcohol
GC-MS	EPA TO-15	Tetrachloroethane (1,1,2,2-)
GC-MS	EPA TO-15	Tetrachloroethene
GC-MS	EPA TO-15	Tetrahydrofuran
GC-MS	EPA TO-15	Toluene
GC-MS	EPA TO-15	Trichloroethane (1,1,1-)
GC-MS	EPA TO-15	Trichloroethane (1,1,2-)
GC-MS	EPA TO-15	Trichloroethene
GC-MS	EPA TO-15	Trichlorofluoromethane
GC-MS	EPA TO-15	Trichloro (1,1,2) trifluoroethane (1,2,2-)
GC-MS	EPA TO-15	Trifluoromethane
GC-MS	EPA TO-15	Vinyl acetate
GC-MS	EPA TO-15	Vinyl bromide

Air		
Technology	**Method**	**Analyte**
GC-MS	EPA TO-15	Vinyl chloride
GC-MS	EPA TO-15	Xylene (m-)
GC-MS	EPA TO-15	Xylene (o-)
GC-MS	EPA TO-15	Xylene (p-)
GC-MS	EPA TO-15	Xylenes (total)
GC-MS	EPA TO-15	Acrylonitrile
GC-MS	EPA TO-15	n-Butylbenzene
GC-MS	EPA TO-15	Sec-Butylbenzene
GC-MS	EPA TO-15	1-Chloropropane
GC-MS	EPA TO-15	Dichloropropane (1,3)
GC-MS	EPA TO-15	Isopropyltoluene
GC-MS	EPA TO-15	Tetrachloroethane (1,1,1,2)
GC-MS	EPA TO-15 SIM	Benzene
GC-MS	EPA TO-15 SIM	Bromodichloromethane
GC-MS	EPA TO-15 SIM	Chloroform
GC-MS	EPA TO-15 SIM	Carbon tetrachloride
GC-MS	EPA TO-15 SIM	1,1-Dichloroethylene
GC-MS	EPA TO-15 SIM	1,2-Dibromoethane
GC-MS	EPA TO-15 SIM	1,2-Dichloroethane
GC-MS	EPA TO-15 SIM	1,2-Dichloropropane
GC-MS	EPA TO-15 SIM	1,4-Dioxane
GC-MS	EPA TO-15 SIM	Dibromochloromethane
GC-MS	EPA TO-15 SIM	cis-1,3-Dichloropropene
GC-MS	EPA TO-15 SIM	p-Dichlorobenzene
GC-MS	EPA TO-15 SIM	trans-1,3-Dichloropropene
GC-MS	EPA TO-15 SIM	1,3-Dichloropropene (total)
GC-MS	EPA TO-15 SIM	1,1,1-Trichloroethane
GC-MS	EPA TO-15 SIM	1,1,2,2-Tetrachloroethane
GC-MS	EPA TO-15 SIM	1,1,2-Trichloroethane
GC-MS	EPA TO-15 SIM	Tetrachloroethylene
GC-MS	EPA TO-15 SIM	Trichloroethylene
GC-MS	EPA TO-15 SIM	Vinyl chloride

Air		
Technology	**Method**	**Analyte**
GC-PID-FID	EPA TO-3	n-Butane
GC-PID-FID	EPA TO-3	Ethane
GC-PID-FID	EPA TO-3	Methane
GC-PID-FID	EPA TO-3	n-Pentane
GC-PID-FID	EPA TO-3	Propane
GC-PID-FID	EPA TO-3	Benzene
GC-PID-FID	EPA TO-3	Ethylbenzene
GC-PID-FID	EPA TO-3	Methyl Tertiary Butyl Ether
GC-PID-FID	EPA TO-3	n-Hexane
GC-PID-FID	EPA TO-3	Toluene
GC-PID-FID	EPA TO-3	Xylene (m,p-)
GC-PID-FID	EPA TO-3	Xylene (o-)
GC-PID-FID	EPA TO-3	Xylenes (total)
GC-PID-FID	EPA TO-3	Tertiary Butyl Alcohol
GC-PID-FID	EPA TO-3	Isopropyl Benzene (Cumene)
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons (C1-C4) as Methane
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons (C1-C4) as Propane
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons (C5-C10) as Pentane
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons (C5-C10) as Hexane
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons as Equivalent Pentane
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons as Equivalent Methane
GC-PID-FID	EPA TO-3	Total Petroleum Hydrocarbons as Equivalent Hexane
GC-PID-FID	MAAPH	Air Petroleum Hydrocarbons Method
GC-PID-FID	MAAPH	Benzene
GC-PID-FID	MAAPH	1,3-Butadiene
GC-PID-FID	MAAPH	Ethylbenzene
GC-PID-FID	MAAPH	Methyl Tert Butyl Ether
GC-PID-FID	MAAPH	Naphthalene
GC-PID-FID	MAAPH	Toluene

Air		
Technology	**Method**	**Analyte**
GC-PID-FID	MAAPH	m,p-Xylene
GC-PID-FID	MAAPH	o-Xylene
GC-PID-FID	MAAPH	C5- C8 Aliphatics (Unadj.)
GC-PID-FID	MAAPH	C9- C12 Aliphatics (Unadj.)
GC-PID-FID	MAAPH	C9- C10 Aromatics (APH)

Potable Water		
Technology	**Method**	**Analyte**
ONPG-MUG (Colilert)	SM 9223 B-97	Total coliform/E.coli
Pour Plate	SM 9215 B-97	Heterotrophic bacteria
Nephelometry	EPA 180.1	Turbidity
Automated Cd Reduction	EPA 353.2	Nitrate
Spectrophotometry	SM 4500-NO2 B-11	Nitrite
Spectrophotometry, Distill, Semi Automated	EPA 335.4	Cyanide
Gravimetry	SM 2540 C-11	Total dissolved solids (TDS)
Titrimetry, EDTA	SM 2340 C-11	Total Hardness
Titrimetry, DPD	SM 4500-Cl F	Chlorine-residual
Electrometric Titrimetry	SM 2320 B-11	Alkalinity
Automated Phenate	SM 4500-NH3 G-11	Ammonia
Platinum-Cobalt	SM 2120 B-11	Color
Methylene Blue	SM 5540 C-11	Foaming agents
Conductance	SM 2510 B-11	Conductivity
Molybdosilicate	SM 4500-Si D-11	Silica
Consistent Series	SM 2150B	Odor
Colorimetry	SM 4500-P E-11	Orthophosphate
Thermometric	SM 2550B	Temperature
Combustion/IR	SM 5310 B-11	Total organic carbon (TOC)
Pyrolysis, Titrimetry	SM 5320 B-11	Total organic halides (TOX)
Ion Chromatography	EPA 300.0	Chloride
Ion Chromatography	EPA 218.7	Chromium VI

Potable Water		
Technology	**Method**	**Analyte**
Ion Chromatography	EPA 300.0	Fluoride
Ion Chromatography	EPA 300.0	Sulfate
Ion Chromatography	EPA 314.0	Perchlorate
Electrometric	SM 4500-H B-11	pH
Distillation, LACHAT	EPA 420.4	Phenols
ICP	EPA 200.7	Aluminum
ICP	EPA 200.7	Barium
ICP	EPA 200.7	Beryllium
ICP	EPA 200.7	Boron
ICP	EPA 200.7	Cadmium
ICP	EPA 200.7	Calcium
ICP	EPA 200.7	Chromium
ICP	EPA 200.7	Cobalt
ICP	EPA 200.7	Copper
ICP	EPA 200.7	Iron
ICP	EPA 200.7	Magnesium
ICP	EPA 200.7	Manganese
ICP	EPA 200.7	Molybdenum
ICP	EPA 200.7	Nickel
ICP	EPA 200.7	Potassium
ICP	EPA 200.7	Silica
ICP	EPA 200.7	Silicon
ICP	EPA 200.7	Silver
ICP	EPA 200.7	Sodium
ICP	EPA 200.7	Strontium
ICP	EPA 200.7	Tin
ICP	EPA 200.7	Titanium
ICP-Calculation	EPA 200.7	Total Hardness
ICP	EPA 200.7	Vanadium
ICP	EPA 200.7	Zinc
Manual Cold Vapor AA	EPA 245.1	Mercury
ICP-MS	EPA 200.8	Aluminum

Potable Water		
Technology	**Method**	**Analyte**
ICP-MS	EPA 200.8	Antimony
ICP-MS	EPA 200.8	Arsenic
ICP-MS	EPA 200.8	Barium
ICP-MS	EPA 200.8	Beryllium
ICP-MS	EPA 200.8	Boron
ICP-MS	EPA 200.8	Cadmium
ICP-MS	EPA 200.8	Chromium
ICP-MS	EPA 200.8	Cobalt
ICP-MS	EPA 200.8	Copper
ICP-MS	EPA 200.8	Lead
ICP-MS	EPA 200.8	Manganese
ICP-MS	EPA 200.8	Molybdenum
ICP-MS	EPA 200.8	Nickel
ICP-MS	EPA 200.8	Potassium
ICP-MS	EPA 200.8	Selenium
ICP-MS	EPA 200.8	Silver
ICP-MS	EPA 200.8	Thallium
ICP-MS	EPA 200.8	Titanium
ICP-MS	EPA 200.8	Vanadium
ICP-MS	EPA 200.8	Zinc
GC-ECD	EPA 504.1	1,2-Dibromoethane (EDB)
GC-ECD	EPA 504.1	1,2-Dibromo-3-chloropropane (EDCP)
GC-ECD	EPA 504.1	1,2,3-Trichloropropane
GC-MS	EPA 524.2	Bromoform
GC-MS	EPA 524.2	Chloroform
GC-MS	EPA 524.2	Dibromochloromethane
GC-MS	EPA 524.2	Bromodichloromethane
GC-MS	EPA 524.2	Benzene
GC-MS	EPA 524.2	Carbon tetrachloride
GC-MS	EPA 524.2	Chlorobenzene
GC-MS	EPA 524.2	1,2-Dichlorobenzene
GC-MS	EPA 524.2	1,3-Dichlorobenzene

Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 524.2	1,4-Dichlorobenzene
GC-MS	EPA 524.2	1,1-Dichloroethane
GC-MS	EPA 524.2	1,2-Dichloroethane
GC-MS	EPA 524.2	cis-1,2-Dichloroethene
GC-MS	EPA 524.2	trans-1,2-Dichloroethene
GC-MS	EPA 524.2	Methylene chloride
GC-MS	EPA 524.2	1,2-Dichloropropane
GC-MS	EPA 524.2	Ethylbenzene
GC-MS	EPA 524.2	Methyl tert-butyl ether
GC-MS	EPA 524.2	Naphthalene
GC-MS	EPA 524.2	Styrene
GC-MS	EPA 524.2	1,1,2,2-Tetrachloroethene
GC-MS	EPA 524.2	Tetrachloroethene
GC-MS	EPA 524.2	1,1,1-Trichloroethane
GC-MS	EPA 524.2	Trichloroethene
GC-MS	EPA 524.2	Toluene
GC-MS	EPA 524.2	1,2,4-Trichlorobenzene
GC-MS	EPA 524.2	1,1-Dichloroethene
GC-MS	EPA 524.2	1,1,2-Trichloroethane
GC-MS	EPA 524.2	Vinyl chloride
GC-MS	EPA 524.2	Xylenes (total)
GC-MS	EPA 524.2	Bromobenzene
GC-MS	EPA 524.2	Bromochloromethane
GC-MS	EPA 524.2	Bromomethane
GC-MS	EPA 524.2	n-Butyl benzene
GC-MS	EPA 524.2	Sec-butylbenzene
GC-MS	EPA 524.2	Tert-butylbenzene
GC-MS	EPA 524.2	Chloroethane
GC-MS	EPA 524.2	Chloromethane
GC-MS	EPA 524.2	2-Chlorotoluene
GC-MS	EPA 524.2	4-Chlorotoluene
GC-MS	EPA 524.2	1,2-Dibromo-3-chloropropane

Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 524.2	1,2-Dibromoethane (EDB)
GC-MS	EPA 524.2	Dibromomethane
GC-MS	EPA 524.2	Dichlorodifluoromethane
GC-MS	EPA 524.2	1,3-Dichloropropane
GC-MS	EPA 524.2	2,2-Dichloropropane
GC-MS	EPA 524.2	1,1-Dichloropropene
GC-MS	EPA 524.2	cis-1,3-Dichloropropene
GC-MS	EPA 524.2	trans-1,3-Dichloropropene
GC-MS	EPA 524.2	1,3-Hexachlorobutadiene
GC-MS	EPA 524.2	Isopropylbenzene
GC-MS	EPA 524.2	4-Isopropyltoluene
GC-MS	EPA 524.2	n-Propylbenzene
GC-MS	EPA 524.2	1,1,1,2-Tetrachloroethane
GC-MS	EPA 524.2	1,2,3-Trichlorobenzene
GC-MS	EPA 524.2	Trichlorofluoromethane
GC-MS	EPA 524.2	1,2,3-Trichloropropane
GC-MS	EPA 524.2	1,2,4-Trimethylbenzene
GC-MS	EPA 524.2	1,3,5-Trimethylbenzene
GC-MS	EPA 524.2	Nitrobenzene
GC-MS	EPA 524.2	Acetone
GC-MS	EPA 524.2	Acrylonitrile
GC-MS	EPA 524.2	Allyl chloride
GC-MS	EPA 524.2	2-Butanone
GC-MS	EPA 524.2	Carbon disulfide
GC-MS	EPA 524.2	Chloroacetonitrile
GC-MS	EPA 524.2	1-Chlorobutane
GC-MS	EPA 524.2	trans-1,4-Dichloro-2-butene
GC-MS	EPA 524.2	1,1-Dichloropropanone
GC-MS	EPA 524.2	Diethyl ether (Ethyl ether)
GC-MS	EPA 524.2	Ethyl methacrylate
GC-MS	EPA 524.2	n-Hexane
GC-MS	EPA 524.2	Hexachloroethane

Potable Water		
Technology	**Method**	**Analyte**
GC-MS	EPA 524.2	2-Hexanone
GC-MS	EPA 524.2	Methacrylonitrile
GC-MS	EPA 524.2	Methyl acrylate
GC-MS	EPA 524.2	Methyl iodide
GC-MS	EPA 524.2	Methyl methacrylate
GC-MS	EPA 524.2	4-methyl-2-Pentanone (MIBK)
GC-MS	EPA 524.2	2-Nitropropane
GC-MS	EPA 524.2	Pentachloroethane
GC-MS	EPA 524.2	Propionitrile
GC-MS	EPA 524.2	Tert-butyl alcohol
GC-MS	EPA 524.2	Tetrahydrofuran
Ion Chromatography	SGS SOP DAYT-WET-0106	Acetic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Butyric Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Caproic Acid (Hexanoic Acid)
Ion Chromatography	SGS SOP DAYT-WET-0106	Formic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Isobutyric Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Isovaleric Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Lactic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Propionic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Pyruvic Acid
Ion Chromatography	SGS SOP DAYT-WET-0106	Valeric Acid

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2248.

Vice President

State of New Jersey

Department of Environmental Protection

Certifies That

SGS NORTH AMERICA INC. - DAYTON

Laboratory Certification ID # 12129

is hereby approved as a

Nationally Accredited Environmental Laboratory

to perform the analyses as indicated on the Annual Certified Parameter List which must accompany this certificate to be valid

having duly met the requirements of the

Regulations Governing the Certification of Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.

and

having been found compliant with the 2009 TNI Standard approved by the

The NELAC Institute

Expires June 30, 2020

Michele M. Potter
Manager

NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be conspicuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NELAP.

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: AE04 –Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.03500	Acetaldehyde	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03510	Acetone	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03520	Acetonitrile	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03530	Acetophenone	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03540	Acrolein	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03550	Acrylamide	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03560	Acrylic acid	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03570	Acrylonitrile	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03580	Allyl chloride	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03600	Benzene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03610	Benzyl chloride	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03620	Bis (2-chloroethyl) ether	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03630	Bis (chloromethyl) ether	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03640	Bromodichloromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03650	Bromoform	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03660	Bromomethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03670	Butadiene (1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03680	Butadiene (2-chloro-1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03690	Butylbenzene (n-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03700	Carbon disulfide	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03710	Carbon oxysulfide (Carbonyl sulfide)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03720	Carbon tetrachloride	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03730	Catechol	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03740	Chloroacetic acid	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03750	Chlorobenzene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03760	Chloroethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03770	Chloroform	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03780	Chloromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03790	Chloromethyl methyl ether	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03800	Chlorotoluene (2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03810	Cresols/Cresylic acid	GC/MS, Canisters	EPA TO-15	NJ

New Jersey Department of Environment Protection
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2235 RT 130
DAYTON NJ 08810

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.03820	Cyclohexane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03830	Diazomethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03840	Dibromo-3-chloropropane (1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03850	Dibromochloromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03860	Dibromoethane (1,2-) (EDB)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03870	Dichlorobenzene (1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03880	Dichlorobenzene (1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03890	Dichlorobenzene (1,4-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03900	Dichlorodifluoromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03910	Dichloroethane (1,1-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03920	Dichloroethane (1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03930	Dichloroethene (1,1-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03940	Dichloroethene (cis-1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03950	Dichloroethene (trans-1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03960	Dichlorofluoromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03970	Dichloropropane (1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03980	Dichloropropene (cis-1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.03990	Dichloropropene (trans-1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04000	Dichlorotetrafluoroethane (1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04010	Diethyl sulfate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04020	Dimethyl formamide (N, N-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04040	Dimethyl sulfate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04060	Dimethylcarbamoyl chloride	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04070	Dioxane (1,4-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04080	Epichlorohydrin	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04090	Epoxybutane (1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04100	Ethanol	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04110	Ethyl acetate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04120	Ethyl acrylate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04140	Ethylbenzene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04170	Ethyltoluene (4-)	GC/MS, Canisters	EPA TO-15	NJ

New Jersey Department of Environment Protection
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2235 RT 130
DAYTON NJ 08810

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.04200	Heptane (n-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04210	Hexachlorobutadiene (1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04220	Hexachloroethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04230	Hexane (n-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04240	Hexanone (2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04250	Isophorone	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04260	Isopropanol	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04270	Isopropylbenzene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04290	Methyl ethyl ketone (MEK)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04300	Methyl Iodide	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04310	Methyl isobutyl ketone (MIBK)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04320	Methyl Isocyanate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04330	Methyl methacrylate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04340	Methyl tert-butyl ether	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04350	Methylene chloride (Dichloromethane)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04370	Methylphenol (2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04380	Naphthalene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04390	Nitrobenzene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04400	Nitropropane (2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04410	N-Nitrosodimethylamine	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04420	N-Nitrosomorpholine	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04430	N-Nitroso-N-methylurea	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04440	Phenol	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04450	Phosgene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04460	Propane sultone (1,3-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04470	Propiolactone (beta-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04480	Propionaldehyde	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04490	Propylbenzene (n-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04510	Propylene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04520	Propylene oxide	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04540	Sec-butylbenzene	GC/MS, Canisters	EPA TO-15	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.04550	Styrene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04560	Styrene oxide	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04570	Tert-butyl alcohol	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04590	Tetrachloroethane (1,1,2,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04600	Tetrachloroethene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04610	Tetrahydrofuran	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04620	Toluene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04630	Trichloro (1,1,2-) trifluoroethane (1,2,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04640	Trichlorobenzene (1,2,4-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04650	Trichloroethane (1,1,1-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04660	Trichloroethane (1,1,2-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04670	Trichloroethene	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04680	Trichlorofluoromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04696	Trifluorochloroethene (HCFC-1113)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04698	Trifluoro (1,1,2-) dichloroethane (1,2-) (HCFC-123a)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04700	Trifluoromethane	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04710	Trimethylbenzene (1,2,4-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04720	Trimethylbenzene (1,3,5-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04730	Trimethylpentane (2,2,4-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04740	Vinyl acetate	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04750	Vinyl bromide	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04760	Vinyl chloride	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04770	Xylene (m-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04780	Xylene (o-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04790	Xylene (p-)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.04800	Xylenes (total)	GC/MS, Canisters	EPA TO-15	NJ
Certified	Yes	AE04.06220	Benzene	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ
Certified	Yes	AE04.06260	Ethylbenzene	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ
Certified	Yes	AE04.06270	Isopropylbenzene	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ
Certified	Yes	AE04.06280	Methane	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: AE04 --Organics Analysis

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	AE04.06280	Methyl tert-butyl ether	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ
Certified	Yes	AE04.06300	Tert-butyl alcohol	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ
Certified	Yes	AE04.06320	Toluene	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ
Certified	Yes	AE04.06350	Xylenes (total)	GC, FID and/or ECD, Cryogenic Preconcentration	EPA TO-3	NJ

Category: DW03 --Inorganic Parameters

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW03.00010	Alkalinity	Electrometric Titration	SM 2320 B	NJ
Certified	Yes	DW03.00070	Ammonia	Automated Phenate	SM 4500 NH3 H	NJ
Certified	Yes	DW03.00420	Chloride	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	DW03.00550	Color	Platinum-Cobalt	SM 2120 B	NJ
Certified	Yes	DW03.00590	Conductivity	Conductance	SM 2510 B	NJ
Certified	Yes	DW03.00720	Cyanide	Spectrophotometric, Distill, Semi Automated	EPA 335.4	NJ
Applied	No	DW03.00760	Dissolved organic carbon (DOC)	High Temp. Combustion, Filtration	SM 5310 B	NJ
Applied	No	DW03.00860	Fluoride	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	DW03.00910	Foaming agents	Methylene Blue	SM 5540 C	NJ
Certified	Yes	DW03.00940	Nitrate	Automated Cadmium Reduction	EPA 353.2	NJ
Certified	Yes	DW03.01300	Nitrite	Spectrophotometric	SM 4500-NO2 B	NJ
Certified	Yes	DW03.01320	Odor	Consistent Series	SM 2150 B	NJ
Certified	Yes	DW03.01360	Orthophosphate	Colorimetric	SM 4500-P E	NJ
Certified	Yes	DW03.01480	Perchlorate	Ion Chromatography	EPA 314.0	NJ
Certified	Yes	DW03.01520	Residue - nonfilterable (TSS)	Gravimetric, 103-105 Deg C, Post Washing - mining	SM 2540 D	NJ
Certified	Yes	DW03.01600	Sulfate	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	DW03.01660	Total dissolved solids (TDS)	Gravimetric At 180	SM 2540 C	NJ
Certified	Yes	DW03.01690	Total hardness	Titrimetric, EDTA	SM 2340 C	NJ
Certified	Yes	DW03.01710	Total organic carbon (TOC)	High Temp. Combustion	SM 5310 B	NJ
Applied	No	DW03.01790	Turbidity	Nephelometric	EPA 180.1	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: DW04 --Analyze-Immed. and Continuous Monitoring

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW04.00020	Chlorine - total, free or combined	DPD, Ferrous Titrimetric	SM 4500-Cl F	NJ
Certified	Yes	DW04.00150	pH	Electrometric	SM 4500-H B	NJ
Certified	Yes	DW04.00170	Temperature	Thermometric	SM 2550 B	NJ

Category: DW06 --Metals

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW06.00242	Chromium (VI)	Ion Chromatography	EPA 218.7	NJ
Certified	Yes	DW06.00480	Mercury	Manual Cold Vapor	EPA 245.1	NJ

Category: DW07 --Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW07.00001	Aluminum	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00020	Aluminum	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00050	Antimony	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00070	Arsenic	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00080	Barium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00110	Barium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00120	Beryllium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00150	Beryllium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00160	Boron	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00170	Cadmium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00190	Cadmium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00200	Calcium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00230	Calcium-hardness	Ca as Carbonate, AA	SM 2340 B	NJ
Certified	Yes	DW07.00240	Chromium	ICP	EPA 200.7	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: DW07 --Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW07.00270	Chromium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00280	Cobalt	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00290	Cobalt	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00300	Copper	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00330	Copper	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00340	Iron	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00380	Lead	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00400	Magnesium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00430	Manganese	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00460	Manganese	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00480	Molybdenum	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00490	Molybdenum	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00500	Nickel	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00530	Nickel	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00540	Potassium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00560	Selenium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00570	Silica	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00600	Silver	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00630	Silver	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00640	Sodium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00660	Strontium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00670	Thallium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00680	Tin	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00690	Titanium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00700	Total hardness	Hardness By Calculation, ICP	SM 2340 B	NJ
Certified	Yes	DW07.00750	Vanadium	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00760	Vanadium	ICP/MS	EPA 200.8	NJ
Certified	Yes	DW07.00770	Zinc	ICP	EPA 200.7	NJ
Certified	Yes	DW07.00800	Zinc	ICP/MS	EPA 200.8	NJ

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DAYTON NJ 08810

Category: DW08 --Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW08.00710	Dibromo-3-chloropropane (1,2-)	Solvent Extract, GC	EPA 504.1	NJ
Certified	Yes	DW08.00720	Dibromoethane (1,2-) (EDB)	Solvent Extract, GC	EPA 504.1	NJ
Certified	Yes	DW08.00730	Trichloropropane (1,2,3-)	Solvent Extract, GC	EPA 504.1	NJ

Category: DW09 --Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	DW09.02260	Dioxane (1,4-)	SPE, GC/MS/SIM	EPA 522	NJ
Certified	Yes	DW09.02270	Acetone	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02280	Acrylonitrile	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02290	Allyl chloride	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02300	Benzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02310	Bromobenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02320	Bromochloromethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02330	Bromodichloromethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02340	Bromoform	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02350	Bromomethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02360	Butanone (2-) (Methyl ethyl ketone)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02370	Butylbenzene (n-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02380	Carbon disulfide	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02390	Carbon tetrachloride	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02400	Chloroacetonitrile	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02410	Chlorobenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02420	Chlorobutane (1-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02430	Chloroethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02440	Chloroform	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02450	Chloromethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02460	Chlorotoluene (2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02470	Chlorotoluene (4-)	GC/MS, P & T	EPA 524.2	NJ

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Category: DW09 --Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW09.02480	Dibromo-3-chloropropane (1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02490	Dibromochloromethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02500	Dibromoethane (1,2-) (EDB)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02510	Dibromomethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02520	Dichloro-2-butene (trans-1,4-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02530	Dichlorobenzene (1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02540	Dichlorobenzene (1,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02550	Dichlorobenzene (1,4-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02560	Dichlorodifluoromethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02570	Dichloroethane (1,1-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02580	Dichloroethane (1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02590	Dichloroethene (1,1-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02600	Dichloroethene (cis-1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02610	Dichloroethene (trans-1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02620	Dichloropropane (1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02630	Dichloropropane (1,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02640	Dichloropropane (2,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02650	Dichloropropanone (1,1-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02660	Dichloropropene (1,1-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02670	Dichloropropene (cis-1,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02680	Dichloropropene (trans-1,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02690	Diethyl ether (Ethyl ether)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02700	Ethyl methacrylate	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02710	Ethylbenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02720	Hexachlorobutadiene (1,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02730	Hexachloroethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02740	Hexane (n-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02750	Hexanone (2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02760	Isopropylbenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02770	Isopropyltoluene (4-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02780	Methacrylonitrile	GC/MS, P & T	EPA 524.2	NJ

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Category: DW09 --Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW09.02790	Methyl acrylate	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02800	Methyl iodide	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02810	Methyl methacrylate	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02820	Methyl tert-butyl ether	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02830	Methylene chloride (Dichloromethane)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02840	Naphthalene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02850	Nitrobenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02860	Nitropropane (2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02870	Pentachloroethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02880	Pentanone (4-methyl-2-) (MIBK)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02890	Propionitrile	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02900	Propylbenzene (n-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02910	Sec-butylbenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02920	Styrene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02930	Tert-butyl alcohol	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02940	Tert-butylbenzene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02950	Tetrachloroethane (1,1,1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02960	Tetrachloroethane (1,1,2,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02970	Tetrachloroethene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02980	Tetrahydrofuran	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.02990	Toluene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03000	Trichlorobenzene (1,2,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03010	Trichlorobenzene (1,2,4-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03030	Trichloroethane (1,1,1-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03040	Trichloroethane (1,1,2-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03050	Trichloroethene	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03060	Trichlorofluoromethane	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03070	Trichloropropane (1,2,3-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03080	Trimethylbenzene (1,2,4-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03090	Trimethylbenzene (1,3,5-)	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	DW09.03100	Vinyl chloride	GC/MS, P & T	EPA 524.2	NJ

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Category: DW09 --Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	DW09.03130	Xylenes (total)	GC/MS, P & T	EPA 524.2	NJ

Category: NPW03--Inorganic Parameters

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW03.00020	Acidity as CaCO3	Electrometric or Phenolphthalein	SM 2310 B-11	NJ
Certified	Yes	NPW03.00060	Alkalinity as CaCO3	Electrometric or Color Titration	SM 2320 B-11	NJ
Certified	Yes	NPW03.00270	Ammonia	Distillation or Gas Diffusion, Semi-automated Phenate	SM 4500-NH3 B plus H-11	NJ
Certified	Yes	NPW03.00350	Biochemical oxygen demand	Dissolved Oxygen Depletion - Membrane Electrode	SM 5210 B-11	NJ
Certified	Yes	NPW03.00540	Bromide	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.00580	Bromide	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	NPW03.00660	Carbonaceous BOD (CBOD)	Diss. Oxygen Depl., Nitrif. Inhib. - Membrane Electrode	SM 5210 B-11	NJ
Certified	Yes	NPW03.00750	Chemical oxygen demand	Titrimetric	SM 5220 C-11	NJ
Certified	Yes	NPW03.00970	Chloride	Titrimetric, Mercuric Nitrate	SM 4500-Cl C-11	NJ
Certified	Yes	NPW03.01100	Chloride	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.01160	Chloride	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	NPW03.01370	Color	Colorimetric (Platinum-Cobalt)	SM 2120 B-11	NJ
Certified	Yes	NPW03.01530	Cyanide	Distillation, Spectrophotometric (Auto)	EPA 335.4	NJ
Certified	Yes	NPW03.01550	Cyanide	Colorimetric, Automated	SW-846 9012B	NJ
Certified	Yes	NPW03.01660	Cyanide - amenable to Cl2	Manual Distillation, Titrimetr/Spectro	SM 4500-CN B-11 and G-11	NJ
Certified	Yes	NPW03.01670	Cyanide - amenable to Cl2	Manual Distillation, Titrimetr/Spectro	SM 4500-CN C-11 and G-11	NJ
Certified	Yes	NPW03.01750	Dissolved organic carbon (DOC)	Filtration and Combustion	SM 5310 B	NJ
Certified	Yes	NPW03.01930	Fluoride	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.01980	Fluoride	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	NPW03.02110	Hardness - total as CaCO3	Titrimetric, EDTA	SM 2340 C-11	NJ
Certified	Yes	NPW03.02470	Kjeldahl nitrogen - total	Digestion, Semiauto. Digestor, Colorimetric	EPA 351.2	NJ
Certified	Yes	NPW03.02790	Nitrate - nitrite	Cadmium Reduction, Automated	EPA 353.2	NJ
Certified	Yes	NPW03.02960	Nitrite	Spectrophotometric, Manual	SM 4500-NO2 B-11	NJ
Certified	Yes	NPW03.03200	Oil & grease - hem-LL	Gravimetric, Hexane Extractable Material-LL	EPA 1664A	NJ

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Category: NPW03--Inorganic Parameters

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW03.03340	Oil & grease - sgt-non polar	Gravimetric, Silica Gel Treated-Hem-LL	EPA 1664A	NJ
Certified	Yes	NPW03.03400	Organic nitrogen	Total Kjeldahl-N Minus Ammonia-N	User Defined EPA 351.2-SM 4500 NH3 B plus H-11	NJ
Certified	Yes	NPW03.03510	Orthophosphate	Ascorbic Acid, Manual Two Reagent	EPA 365.3	NJ
Certified	Yes	NPW03.03710	Perchlorate	Ion Chromatography	EPA 314.0	NJ
Certified	Yes	NPW03.03810	Phenols	Manual Distillation, Colorimetric Auto	EPA 420.4	NJ
Certified	Yes	NPW03.03860	Phosphorus (total)	Persulfate Digestion + Manual	EPA 365.3	NJ
Certified	Yes	NPW03.04010	Residue - filterable (TDS)	Gravimetric, 180 Degrees C	SM 2540 C-11	NJ
Certified	Yes	NPW03.04050	Residue - nonfilterable (TSS)	Gravimetric, 103-105 Degrees C, Post Washing	SM 2540 D-11	NJ
Certified	Yes	NPW03.04080	Residue - settleable	Volumetric (Imhoff Cone) or Gravimetric	SM 2540 F-11	NJ
Certified	Yes	NPW03.04100	Residue - total	Gravimetric, 103-105 Degrees C	SM 2540 B-11	NJ
Certified	Yes	NPW03.04130	Residue - volatile	Gravimetric, 550 Degrees C	EPA 160.4	NJ
Certified	Yes	NPW03.04170	Salinity	Electrical Conductivity	SM 2520 B	NJ
Certified	Yes	NPW03.04250	Specific conductance	Wheatstone Bridge	SM 2510 B-11	NJ
Certified	Yes	NPW03.04270	Specific conductance	Wheatstone Bridge	SW-846 9050A	NJ
Certified	Yes	NPW03.04490	Sulfate	Ion Chromatography	EPA 300.0	NJ
Certified	Yes	NPW03.04550	Sulfate	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	NPW03.04650	Sulfides	Titrimetric, Iodine	SM 4500-S B, C plus F-11	NJ
Certified	Yes	NPW03.04700	Sulfides, acid sol. & insol.	Titration	SW-846 9034	NJ
Certified	Yes	NPW03.04720	Surfactants	Colorimetric (Methylene Blue)	SM 5540 C-11	NJ
Certified	Yes	NPW03.04790	Total organic carbon (TOC)	Combustion	SM 5310 B-11	NJ
Certified	Yes	NPW03.04880	Total organic carbon (TOC)	Infrared Spectrometry or FID	SW-846 9060A	NJ
Certified	Yes	NPW03.04930	Total organic halides (TOX)	Combustion, Titration	SW-846 9020B	NJ
Certified	Yes	NPW03.04960	Total, fixed, and volatile solids (SQAR)	Gravimetric, 500 Degrees C	SM 2540 G SM 18th Ed.	NJ
Certified	Yes	NPW03.05010	Turbidity	Nephelometric	EPA 180.1	NJ

Category: NPW04--Analyze-Immed. and Continuous Monitoring

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State

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Category: NPW04--Analyze-Immed. and Continuous Monitoring

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW04.00050	Chlorine	DPD-FAS	SM 4500-Cl F-11	NJ
Certified	Yes	NPW04.00230	Oxygen (dissolved)	Membrane Electrode	SM 4500-O G-11	NJ
Certified	Yes	NPW04.00310	Oxygen (dissolved)	Winkler, Azide Modification	SM 4500-O C-11	NJ
Certified	Yes	NPW04.00380	pH	Electrometric	SM 4500-H B-11	NJ
Certified	Yes	NPW04.00420	pH (corrosivity)	Aqueous, Electrometric	SW-846 9040C	NJ
Certified	Yes	NPW04.00470	Sulfite - SO3	Titrimetric, Iodine-Iodate	SM 4500-SO3 B-11	NJ
Certified	Yes	NPW04.00490	Temperature	Thermometric	SM 2550 B-00	NJ

Category: NPW06--Metals - NPW Preparation Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW06.00020	Metals	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ
Certified	Yes	NPW06.00030	Metals	Synthetic PPT Leachate Procedure	SW-846 1312	NJ
Certified	Yes	NPW06.00050	Metals, Total Rec and Dissolved	Acid Digestion/Surface and Groundwater	SW-846 3005A	NJ
Certified	Yes	NPW06.00060	Metals, Total	Acid Digestion/Aqueous Samples	SW-846 3010A	NJ

Category: NPW07--Metals

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW07.01000	Chromium (VI)	Colorimetric	SW-846 7196A	NJ
Certified	Yes	NPW07.01020	Chromium (VI)	0.45u Filter, Colorimetric DPC	SM 3500-Cr B-11	NJ
Certified	Yes	NPW07.01050	Chromium (VI)	Ion Chromatography	SW-846 7199	NJ
Certified	No	NPW07.01690	Iron, Ferrous	Digestion, Colorimetric (Phenanthroline)	SM 3500-Fe B-11	NJ
Certified	Yes	NPW07.02130	Mercury	Cold Vapor Atomic Fluorescence Spectrometry	EPA 245.7	NJ
Certified	Yes	NPW07.02160	Mercury	Manual Cold Vapor	EPA 245.1	NJ
Certified	Yes	NPW07.02190	Mercury - liquid waste	AA, Manual Cold Vapor	SW-846 7470A	NJ
Certified	Yes	NPW07.02200	Mercury	Purge & Trap Atomic Fluorescence	EPA 1631E	NJ

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Category: NPW07--Metals

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW07.02860	Silica - dissolved	0.45u Filtration + Colorimetric (Manual)	SM 4500-SiO2 C-11	NJ

Category: NPW08--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.00012	Aluminum	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.00050	Aluminum	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.00082	Aluminum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.00130	Aluminum	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.00182	Antimony	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.00220	Antimony	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.00252	Antimony	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.00300	Antimony	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.00342	Arsenic	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.00370	Arsenic	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.00402	Arsenic	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.00450	Arsenic	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.00482	Barium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.00510	Barium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.00542	Barium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.00590	Barium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.00642	Beryllium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.00680	Beryllium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.00712	Beryllium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.00760	Beryllium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.00822	Boron	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.00860	Boron	ICP	EPA 200.7	NJ
Certified	Yes	NPW08.00892	Boron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.00940	Boron	ICP/MS	EPA 200.8	NJ

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2235 RT 130
DAYTON NJ 08810

Category: NPW08--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.00982	Cadmium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.01030	Cadmium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.01062	Cadmium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.01110	Cadmium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.01172	Calcium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.01200	Calcium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.01232	Calcium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.01270	Calcium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.01312	Chromium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.01350	Chromium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.01382	Chromium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.01430	Chromium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.01502	Cobalt	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.01530	Cobalt	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.01562	Cobalt	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.01610	Cobalt	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.01652	Copper	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.01690	Copper	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.01722	Copper	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.01770	Copper	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.01900	Hardness - total as CaCO3	Ca + Mg Carbonates, ICP	SM 2340 B-11	NJ
Certified	Yes	NPW08.02002	Iron	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.02040	Iron	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.02072	Iron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.02110	Iron	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.02172	Lead	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.02210	Lead	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.02242	Lead	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.02290	Lead	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.02362	Lithium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.02382	Magnesium	ICP	SW-846 6010D	NJ

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Category: NPW08--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.02420	Magnesium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.02452	Magnesium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.02490	Magnesium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.02542	Manganese	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.02580	Manganese	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.02612	Manganese	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.02660	Manganese	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.02722	Molybdenum	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.02750	Molybdenum	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.02782	Molybdenum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.02830	Molybdenum	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.02872	Nickel	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.02910	Nickel	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.02942	Nickel	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.02990	Nickel	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.03142	Potassium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.03150	Potassium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03200	Potassium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.03232	Potassium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.03282	Selenium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.03310	Selenium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03342	Selenium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.03390	Selenium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.03440	Silica - dissolved	0.45u Filtration + ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03532	Silver	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.03570	Silver	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03602	Silver	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.03650	Silver	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.03712	Sodium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.03740	Sodium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03772	Sodium	ICP/MS	SW-846 6020B	NJ

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW08.03810	Sodium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.03840	Strontium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03862	Strontium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.03882	Strontium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.03932	Thallium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.03950	Thallium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.03982	Thallium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.04030	Thallium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.04112	Tin	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.04130	Tin	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.04152	Tin	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.04190	Tin	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.04212	Titanium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.04220	Titanium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.04242	Titanium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.04280	Titanium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.04392	Vanadium	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.04430	Vanadium	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.04462	Vanadium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.04510	Vanadium	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.04572	Zinc	ICP	SW-846 6010D	NJ
Certified	Yes	NPW08.04610	Zinc	Digestion, ICP	EPA 200.7	NJ
Certified	Yes	NPW08.04642	Zinc	ICP/MS	SW-846 6020B	NJ
Certified	Yes	NPW08.04690	Zinc	Digestion, ICP/MS	EPA 200.8	NJ
Certified	Yes	NPW08.04744	Zirconium	ICP	SW-846 6010D	NJ

Category: NPW09--Organics - NPW Preparation Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State

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DAYTON NJ 08810

Category: NPW09--Organics - NPW Preparation Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW09.00040	Organics	Synthetic PPT Leachate Procedure	SW-846 1312	NJ
Certified	Yes	NPW09.00080	Semivolatile organics	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ
Certified	Yes	NPW09.00090	Semivolatile organics	Separatory Funnel Extraction	SW-846 3510C	NJ
Certified	Yes	NPW09.00110	Semivolatile organics	Continuous Liquid-Liquid Extraction	SW-846 3520C	NJ
Certified	Yes	NPW09.00290	Volatile organics	TCLP, Toxicity Procedure, ZHE	SW-846 1311	NJ
Certified	Yes	NPW09.00340	Volatile organics	Purge & Trap Aqueous	SW-846 5030C	NJ

Category: NPW10--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW10.03360	Aldrin	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03370	Alpha BHC	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03380	Beta BHC	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03390	Chlordane	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03400	Chlordane (alpha) (cis-)	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03410	Chlordane (gamma) (trans-)	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03430	DDD (4,4'-)	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03440	DDE (4,4'-)	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03450	DDT (4,4'-)	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03460	Delta BHC	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03470	Dieldrin	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03480	Endosulfan I	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03490	Endosulfan II	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03500	Endosulfan sulfate	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03510	Endrin	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03520	Endrin aldehyde	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03530	Endrin ketone	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03550	Heptachlor	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03560	Heptachlor epoxide	Extract/GC (ECD)	EPA 608.3	NJ

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2235 RT 130
DAYTON NJ 08810

Category: NPW10--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW10.03570	Lindane (gamma BHC)	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03576	Methoxychlor	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03590	PCB 1016	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03600	PCB 1221	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03610	PCB 1232	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03620	PCB 1242	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03630	PCB 1248	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03640	PCB 1254	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03650	PCB 1260	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.03660	Toxaphene	Extract/GC (ECD)	EPA 608.3	NJ
Certified	Yes	NPW10.06000	Butane	GC, Headspace, FID	Other J. Chrom. Sci. RSK-175	NJ
Certified	Yes	NPW10.06010	Ethane	GC, Headspace, FID	Other J. Chrom. Sci. RSK-175	NJ
Certified	Yes	NPW10.06020	Ethene	GC, Headspace, FID	Other J. Chrom. Sci. RSK-175	NJ
Certified	Yes	NPW10.06040	Methane	GC, Headspace, FID	Other J. Chrom. Sci. RSK-175	NJ
Certified	Yes	NPW10.06050	Propane	GC, Headspace, FID	Other J. Chrom. Sci. RSK-175	NJ
Certified	Yes	NPW10.06060	Extractable Petroleum Hydrocarbons	Extraction, GC, FID	Other NJDEP EPH 10/08, Rev. 3	NJ
Certified	Yes	NPW10.07680	Dibromo-3-chloropropane (1,2-)	Extract/GC (ECD)	SW-846 8011	NJ
Certified	Yes	NPW10.07690	Dibromoethane (1,2-) (EDB)	Extract/GC (ECD)	SW-846 8011	NJ
Certified	Yes	NPW10.07700	Trichloropropane (1,2,3-)	Extract/GC (ECD)	SW-846 8011	NJ
Certified	Yes	NPW10.08330	Butanol (1-)	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08360	Diesel range organic	Extraction, GC, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08400	Ethyl alcohol	GC, Direct Injection, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08440	Gasoline range organic	GC P&T, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08460	Iso-butyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08470	Isopropyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08480	Methyl alcohol (Methanol)	GC, Direct Injection, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08550	Propyl Alcohol (n-)	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	NPW10.08600	Tert-butyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Applied	No	NPW10.09870	Alachlor	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.09880	Aldrin	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ

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2235 R T 130
DAYTON NJ 08810

Category: NPW10--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW10.09890	Alpha BHC	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.09910	Beta BHC	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.09920	Chlordane (alpha) (cis-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.09930	Chlordane (gamma) (trans-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.09940	Chlordane (technical)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10010	DDD (4,4'-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10020	DDE (4,4'-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10030	DDT (4,4'-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10040	Delta BHC	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10050	Dieldrin	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10060	Endosulfan I	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10070	Endosulfan II	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10080	Endosulfan sulfate	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10090	Endrin	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10100	Endrin aldehyde	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10110	Endrin ketone	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10130	Heptachlor	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10140	Heptachlor epoxide	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10150	Hexachlorobenzene	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10170	Lindane (gamma BHC)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10180	Methoxychlor	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10210	Mirex	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10250	Toxaphene	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	NPW10.10780	PCB 1016	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10790	PCB 1221	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10800	PCB 1232	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10810	PCB 1242	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10820	PCB 1248	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10830	PCB 1254	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10840	PCB 1260	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.10850	PCB 1262	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ

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Category: NPW10--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW10.10860	PCB 1268	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	NPW10.12230	D (2,4-)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12240	Dalapon	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12250	DB (2,4-)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12270	Dicamba	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12290	Dichlorprop	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12300	Dinoseb	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12320	MCPA	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12330	MCPP	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12350	Pentachlorophenol	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12360	Picloram	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12370	T (2,4,5-)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	NPW10.12380	TP (2,4,5-) (Silvex)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	NPW11.06660	Dioxane (1,4-)	SPE, GC/MS/SIM	EPA 522	NJ
Certified	Yes	NPW11.07870	Acetone	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07880	Acetonitrile	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07890	Acrolein	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07900	Acrylonitrile	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07910	Allyl chloride	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07920	Amyl acetate (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Applied	No	NPW11.07930	Amyl alcohol (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07940	Benzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07950	Bromobenzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07960	Bromochloromethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.07970	Bromodichloromethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.07990	Bromoform	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08000	Bromomethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08020	Butanol (1-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08030	Butanone (2-) (Methyl ethyl ketone)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08040	Butyl acetate (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08070	Butylbenzene (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08080	Carbon disulfide	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08090	Carbon tetrachloride	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08100	Chlorobenzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08110	Chloroethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08120	Chloroethyl vinyl ether (2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08130	Chloroform	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08140	Chloromethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08150	Chlorotoluene (2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08160	Chlorotoluene (4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08180	Cyclohexane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08190	Cyclohexanone	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08200	Dibromo-3-chloropropane (1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08210	Dibromochloromethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08220	Dibromoethane (1,2-) (EDB)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08230	Dibromomethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08250	Dichloro-2-butene (trans-1,4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08260	Dichlorobenzene (1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08270	Dichlorobenzene (1,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08280	Dichlorobenzene (1,4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08282	Dichlorodifluoromethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08290	Dichloroethane (1,1-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08300	Dichloroethane (1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08310	Dichloroethene (1,1-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08320	Dichloroethene (cis-1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08330	Dichloroethene (trans-1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ

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2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.08340	Dichloropropane (1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08350	Dichloropropane (1,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08360	Dichloropropane (2,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08370	Dichloropropene (1,1-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08380	Dichloropropene (cis-1,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08390	Dichloropropene (trans-1,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08400	Diethyl ether (Ethyl ether)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08410	Diisopropyl Ether (DIPE)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08420	Dioxane (1,4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08440	Ethyl acetate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08450	Ethyl methacrylate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08460	Ethylbenzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08470	Ethyl-tert-butyl Ether (ETBE)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08480	Heptane (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08490	Hexachlorobutadiene (1,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08500	Hexane (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08510	Hexanone (2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Applied	No	NPW11.08530	Isobutyraldehyde	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Applied	No	NPW11.08540	Isopropanol	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Applied	No	NPW11.08550	Isopropyl acetate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08560	Isopropyl ether	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08570	Isopropylbenzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08580	Isopropyltoluene (4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08600	Methyl acetate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Applied	No	NPW11.08610	Methyl formate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08620	Methyl iodide	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08630	Methyl isobutyl ketone (MIBK)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08640	Methyl methacrylate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08650	Methyl tert-butyl ether	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08660	Methylcyclohexane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08670	Methylene chloride (Dichloromethane)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ

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2235 RT 130
DAYTON NJ 08810

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.08672	Naphthalene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08680	Nitropropane (2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08720	Propylbenzene (n-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08730	Sec-butylbenzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08740	Styrene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08750	tert-Amylmethyl ether (TAME)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08770	Tert-butyl alcohol	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08780	Tert-butylbenzene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08790	Tetrachloroethane (1,1,1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08800	Tetrachloroethane (1,1,2,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08810	Tetrachloroethene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08820	Tetrahydrofuran	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08830	Toluene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08840	Trichloro (1,1,2-) trifluoroethane (1,2,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08850	Trichlorobenzene (1,2,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08852	Trichlorobenzene (1,2,4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08860	Trichloroethane (1,1,1-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08870	Trichloroethane (1,1,2-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08880	Trichloroethene	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08890	Trichlorofluoromethane	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08900	Trichloropropane (1,2,3-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08920	Trimethylbenzene (1,2,4-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08930	Trimethylbenzene (1,3,5-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08940	Vinyl acetate	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08950	Vinyl chloride	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08960	Xylene (m- + p-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.08980	Xylene (o-)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.09000	Xylenes (total)	GC/MS, P & T, Capillary Column	EPA 624.1	NJ
Certified	Yes	NPW11.09010	Acenaphthene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09020	Acenaphthylene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09030	Acetophenone	Extract, GC/MS	EPA 625.1	NJ

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2235 RT 130
DAYTON NJ 08810

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Certified	Yes	NPW11.09040	Acetylaminofluorene (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09050	Alpha - terpineol	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09060	Aminobiphenyl (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09070	Aniline	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09080	Anthracene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09090	Aramite	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09110	Benzidine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09120	Benzo(a)anthracene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09130	Benzo(a)pyrene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09140	Benzo(b)fluoranthene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09150	Benzo(ghi)perylene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09170	Benzo(k)fluoranthene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09180	Benzoic acid	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09190	Benzyl alcohol	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09210	Bis (2-chloroethoxy) methane	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09220	Bis (2-chloroethyl) ether	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09230	Bis(2-chloroisopropyl)ether|2,2'-oxybis(1-chloropropane)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09240	Bis (2-ethylhexyl) phthalate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09250	Bromophenyl-phenyl ether (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09260	Butylbenzylphthalate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09270	Carbazole	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09280	Chloroaniline (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09290	Chlorobenzilate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09310	Chloronaphthalene (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09320	Chlorophenol (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09330	Chlorophenyl-phenyl ether (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09340	Chrysene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09350	Decane (n-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09380	Dibenz(a,h)acridine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09410	Dibenzo(a,h)anthracene	Extract, GC/MS	EPA 625.1	NJ

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Certified	Yes	NPW11.09440	Dibenzofuran	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09450	Dichloroaniline (2,3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09460	Dichlorobenzidine (3,3'-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09470	Dichlorophenol (2,4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09480	Dichlorophenol (2,6-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09490	Diethyl phthalate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09500	Dimethoate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09510	Dimethyl benzidine (3,3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09520	Dimethyl phthalate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09530	Dimethylaminoazobenzene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09540	Dimethylbenz(a)anthracene (7,12-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09550	Dimethylphenol (2,4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09560	Di-n-butyl phthalate	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09570	Dinitrobenzene (1,3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09580	Dinitrophenol (2,4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09590	Dinitrophenol (2-methyl-4,6-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09600	Dinitrotoluene (2,4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09610	Dinitrotoluene (2,6-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09620	Di-n-octyl phthalate	Extract, GC/MS	EPA 625.1	NJ
Applied	No	NPW11.09624	Dinoseb	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09640	Diphenylhydrazine / Azobenzene	Extract, GC/MS	EPA 625.1	NJ
Applied	No	NPW11.09644	Disulfoton	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09680	Famphur	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09690	Fluoranthene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09700	Fluorene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09710	Hexachlorobenzene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09720	Hexachlorobutadiene (1,3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09730	Hexachlorocyclopentadiene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09740	Hexachloroethane	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09760	Hexachloropropene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09780	Indeno(1,2,3-cd)pyrene	Extract, GC/MS	EPA 625.1	NJ

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Applied	No	NPW11.09784	Isodrin	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09790	Isophorone	Extract, GC/MS	EPA 625.1	NJ
Applied	No	NPW11.09799	Methylnaphthalene (1-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09820	Kepone	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09830	Methanesulfonate (Ethyl-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09840	Methanesulfonate (Methyl-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09850	Methapyrilene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09860	Methyl phenol (4-chloro-3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09870	Methylcholanthrene (3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09880	Methylnaphthalene (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09890	Methylphenanthrene (1-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09900	Methylphenol (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09910	Methylphenol (3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09920	Methylphenol (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09930	Naphthalene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09940	Napthoquinone (1,4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09950	Napththylamine (1-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09960	Napththylamine (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09970	Nitroaniline (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09980	Nitroaniline (3-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.09990	Nitroaniline (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10000	Nitrobenzene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10010	Nitrophenol (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10020	Nitrophenol (4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10030	N-Nitrosodiethylamine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10040	N-Nitrosodimethylamine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10050	N-Nitroso-di-n-butylamine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10060	N-Nitroso-di-n-propylamine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10070	N-Nitrosodiphenylamine / Diphenylamine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10080	N-Nitrosomethylethylamine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10090	N-Nitrosomorpholine	Extract, GC/MS	EPA 625.1	NJ

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.10100	N-Nitrosopiperidine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10110	N-Nitrosopyrrolidine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10120	Octadecane (n-)	Extract, GC/MS	EPA 625.1	NJ
Applied	No	NPW11.10194	Parathion ethyl (Parathion)	Extract, GC/MS	EPA 625.1	NJ
Applied	No	NPW11.10196	Parathion methyl	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10200	Pentachlorobenzene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10230	Pentachlorophenol	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10240	Phenacetin	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10250	Phenanthrene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10260	Phenol	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10280	Phenylethylamine (alpha, alpha-Dimethyl)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10290	Phosphorothioate (O,O,O-triethyl)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10300	Phosphorothioate (diethyl-O-2-pyrazinyl) [Thionazin]	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10310	Picoline (2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10320	Pyrene	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10330	Pyridine	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10340	Quinoline -1-Oxide (4-Nitro)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10350	Safrole	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10390	Tetrachlorobenzene (1,2,4,5-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10400	Tetrachlorophenol (2,3,4,6-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10420	Toluidine (2-) (2-Methylaniline)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10430	Toluidine (5-nitro-2-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10440	Trichlorobenzene (1,2,4-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10460	Trichlorophenol (2,4,5-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10470	Trichlorophenol (2,4,6-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10480	Trinitrobenzene (1,3,5-)	Extract, GC/MS	EPA 625.1	NJ
Certified	Yes	NPW11.10680	TCDD (2,3,7,8-)	GC/MS	EPA 625 (screen only)	NJ
Certified	Yes	NPW11.14320	Trimethylpentane (2,2,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14330	Acetone	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14340	Acetonitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

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2235 RT 130
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Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.14350	Acrolein	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14360	Acrylonitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14370	Allyl chloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14380	Amyl alcohol (t-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14390	Benzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14400	Benzyl chloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14410	Bromobenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14420	Bromochloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14430	Bromodichloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14450	Bromoform	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14460	Bromomethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14470	Butadiene (2-chloro-1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14480	Butanol (1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14490	Butanol (3,3-Dimethyl-1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14500	Butanone (2-) (Methyl ethyl ketone)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14510	Butyl formate (t-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14540	Butylbenzene (n-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14550	Carbon disulfide	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14560	Carbon tetrachloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14570	Chlorobenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14580	Chloroethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14590	Chloroethyl vinyl ether (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14600	Chloroform	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14610	Chloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14620	Chlorotoluene (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14630	Chlorotoluene (4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14650	Cyclohexane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14660	Cyclohexanone	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14670	Dibromo-3-chloropropane (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14680	Dibromochloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14690	Dibromoethane (1,2-) (EDB)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

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2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.14700	Dibromomethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14720	Dichloro-2-butene (trans-1,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14730	Dichlorobenzene (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14740	Dichlorobenzene (1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14750	Dichlorobenzene (1,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14760	Dichlorodifluoromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14770	Dichloroethane (1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14780	Dichloroethane (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14790	Dichloroethene (1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14800	Dichloroethene (cis-1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14810	Dichloroethene (trans-1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14820	Dichloropropane (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14830	Dichloropropane (1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14840	Dichloropropane (2,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14850	Dichloropropene (1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14860	Dichloropropene (cis-1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14870	Dichloropropene (trans-1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14880	Diethyl ether (Ethyl ether)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14890	Diisopropyl Ether (DIPE)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14900	Dioxane (1,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14910	Ethanol	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14920	Ethyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14930	Ethyl methacrylate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14940	Ethylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14950	Ethyl-tert-butyl Ether (ETBE)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14960	Heptane (n-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14970	Hexachlorobutadiene (1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14980	Hexachloroethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.14990	Hexane (n-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15000	Hexanone (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15010	Iso-butyl alcohol	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

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2235 RT 130
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Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.15030	Isopropyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15040	Isopropylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15050	Isopropyltoluene (4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15060	Methacrylonitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15070	Methyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15080	Methyl acrylate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15090	Methyl iodide	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15100	Methyl methacrylate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15110	Methyl tert-butyl ether	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15120	Methylcyclohexane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15130	Methylene chloride (Dichloromethane)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15160	Naphthalene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15180	Nitropropane (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15210	Pentachloroethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15230	Pentanone (4-methyl-2-) (MIBK)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15240	Propionitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15250	Propylbenzene (n-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15260	Sec-butylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15270	Styrene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15280	tert-Amylmethyl ether (TAME)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15300	Tert-butyl alcohol	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15310	Tert-butylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15320	Tetrachloroethane (1,1,1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15330	Tetrachloroethane (1,1,2,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15340	Tetrachloroethene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15350	Tetrahydrofuran	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15360	Toluene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15380	Trichloro (1,1,2-) trifluoroethane (1,2,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15390	Trichlorobenzene (1,2,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15400	Trichlorobenzene (1,2,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15410	Trichloroethane (1,1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.15420	Trichloroethane (1,1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15430	Trichloroethene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15440	Trichlorofluoromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15450	Trichloropropane (1,2,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15470	Trimethylbenzene (1,2,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15480	Trimethylbenzene (1,3,5-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15490	Vinyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15500	Vinyl chloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15510	Xylene (m-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15520	Xylene (o-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15530	Xylene (p-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15540	Xylenes (total)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.15545	Dioxane (1,4-)	GC/MS/SIM, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	NPW11.17750	Acenaphthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17760	Acenaphthylene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17770	Acetophenone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17780	Acetylaminofluorene (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17800	Alpha - terpineol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17820	Aminobiphenyl (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17840	Aniline	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17850	Anthracene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17860	Aramite	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17870	Atrazine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17890	Benzaldehyde	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17900	Benzenethiol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17910	Benzidine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17920	Benzo(a)anthracene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17930	Benzo(a)pyrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17940	Benzo(b)fluoranthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17950	Benzo(ghi)perylene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.17970	Benzo(k)fluoranthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.17980	Benzoic acid	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18000	Benzyl alcohol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18030	Biphenyl (1,1'-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18040	Bis (2-chloroethoxy) methane	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18050	Bis (2-chloroethyl) ether	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18060	Bis(2-chloroisopropyl)ether|2,2'-oxybis(1-chloropropane)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18070	Bis (2-ethylhexyl) phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18080	Bromophenyl-phenyl ether (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18090	Butylbenzylphthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18100	Caprolactam	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18110	Carbazole	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18150	Chloroaniline (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18160	Chlorobenzilate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18180	Chloronaphthalene (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18190	Chlorophenol (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18200	Chlorophenyl-phenyl ether (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18210	Chrysene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18250	Decane (n-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18270	Diallate (cis)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18280	Diallate (trans)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18290	Dibenz(a,h)acridine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18320	Dibenzo(a,h)anthracene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18360	Dibenzofuran	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18370	Dichlorobenzene (1,2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18380	Dichlorobenzene (1,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18390	Dichlorobenzene (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18400	Dichlorobenzidine (3,3'-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18410	Dichlorophenol (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18420	Dichlorophenol (2,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18440	Diethyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.18450	Dimethoate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18460	Dimethyl benzidine (3,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18470	Dimethyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18480	Dimethylaminoazobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18530	Dimethylbenz(a)anthracene (7,12-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18540	Dimethylphenol (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18550	Di-n-butyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18560	Dinitrobenzene (1,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18580	Dinitrophenol (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18590	Dinitrophenol (2-methyl-4,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18600	Dinitrotoluene (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18610	Dinitrotoluene (2,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18620	Di-n-octyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18630	Dinoseb	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18634	Dioxane (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18650	Diphenylhydrazine / Azobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18660	Disulfoton	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18740	Famphur	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18750	Fluoranthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18760	Fluorene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18790	Hexachlorobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18800	Hexachlorobutadiene (1,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18810	Hexachlorocyclopentadiene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18820	Hexachloroethane	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18830	Hexachlorophene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18840	Hexachloropropene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18850	Hydroquinone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18860	Indene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18870	Indeno(1,2,3-cd)pyrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18880	Isodrin	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18890	Isophorone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.18900	Isosafrole (cis-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18910	Isosafrole (trans-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18920	Kepone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18940	Methanesulfonate (Ethyl-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18950	Methanesulfonate (Methyl-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18960	Methapyrilene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18980	Methyl phenol (4-chloro-3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.18990	Methylcholanthrene (3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19000	Methylnaphthalene (1-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19010	Methylnaphthalene (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19020	Methylphenol (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19030	Methylphenol (3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19040	Methylphenol (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19050	Naphthalene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19060	Napthoquinone (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19070	Napththylamine (1-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19080	Napththylamine (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19090	Nitroaniline (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19100	Nitroaniline (3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19110	Nitroaniline (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19120	Nitrobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19140	Nitrophenol (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19150	Nitrophenol (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19160	N-Nitrosodiethylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19170	N-Nitrosodimethylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19180	N-Nitroso-di-n-butylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19190	N-Nitroso-di-n-propylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19200	N-Nitrosodiphenylamine / Diphenylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19210	N-Nitrosomethylethylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19220	N-Nitrosomorpholine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19230	N-Nitrosopiperidine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

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2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.19240	N-Nitrosopyrrolidine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19250	Octadecane (n-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19260	Parathion	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19270	Parathion methyl	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19350	Pentachlorobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19360	Pentachloroethane	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19370	Pentachloronitrobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19380	Pentachlorophenol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19390	Phenacetin	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19400	Phenanthrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19410	Phenol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19420	Phenylenediamine (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19430	Phenylethylamine (alpha, alpha-Dimethyl)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19440	Phorate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19450	Phosphorothioate (O,O,O-triethyl)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19460	Phosphorothioate (diethyl-O-2-pyrazinyl) [Thionazin]	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19470	Picoline (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19480	Pronamide	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19490	Pyrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19500	Pyridine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19510	Quinoline	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19520	Quinoline -1-Oxide (4-Nitro)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19530	Safrole	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19580	Tetrachlorobenzene (1,2,4,5-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19590	Tetrachlorophenol (2,3,4,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19600	Toluidine (2-) (2-Methylaniline)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19620	Toluidine (5-nitro-2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19640	Trichlorobenzene (1,2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19650	Trichlorophenol (2,4,5-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19660	Trichlorophenol (2,4,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW11.19680	Trinitrobenzene (1,3,5-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19690	Acenaphthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19700	Acenaphthylene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19710	Anthracene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19720	Benzo(a)anthracene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19730	Benzo(a)pyrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19740	Benzo(b)fluoranthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19750	Benzo(ghi)perylene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19760	Benzo(k)fluoranthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19770	Chrysene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19780	Dibenzo(a,h)anthracene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19790	Dinitrophenol (2-methyl-4,6-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19794	Dioxane (1,4-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19800	Fluoranthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19810	Fluorene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19820	Hexachlorobenzene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19830	Hexachlorobutadiene (1,3-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19840	Indeno(1,2,3-cd)pyrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19860	Methylnaphthalene (2-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19870	Naphthalene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19890	Pentachlorophenol	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19900	Phenanthrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	NPW11.19910	Pyrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Applied	No	NPW11.21250	Dioxane (1,4-)	GC/MS, Extract, SIM / Isotope Dilution	User Defined SW-8486 8270D	NJ
Certified	Yes	NPW11.21260	1,1,1-Trifluoroethane	GC/MS, P & T or Direct Injection, Capillary	User Defined SW-846 8260C	NJ
Certified	Yes	NPW11.21270	1-Chloro-1,1-difluoroethane	GC/MS, P & T or Direct Injection, Capillary	User Defined SW-846 8260C	NJ
Certified	Yes	NPW11.21280	1,1,1-Trifluoroethane	GC/MS, P & T, Capillary Column	User Defined EPA 624.1	NJ
Certified	Yes	NPW11.21290	1,1-Dichloro-1-fluoroethane	GC/MS, P & T, Capillary Column	User Defined EPA 624.1	NJ
Certified	Yes	NPW11.21300	1-Chloro-1,1-difluoroethane	GC/MS, P & T, Capillary Column	User Defined EPA 624.1	NJ
Certified	Yes	NPW11.22120	Ethylene glycol	GC/MS/SIM, Direct Aqueous Injection	User Defined SW-846 8260C	NJ
Certified	Yes	NPW11.22130	Propylene glycol	GC/MS/SIM, Direct Aqueous Injection	User Defined SW-846 8260C	NJ

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: NPW11--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	NPW11.24001	Acetone [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24010	Benzene [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24020	Chlorobenzene [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24030	Chloroform [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24040	Dichlorobenzene (1,2-) [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24050	Dichloroethane (1,2-) [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24060	Methylene chloride [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24070	Pentanone (4-methyl-2-) (MIBK) [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Certified	Yes	NPW11.24080	Tetrahydrofuran [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ
Applied	No	NPW11.24090	Toluene [40CFR136, Table 1F]	GC/MS, P & T	EPA 524.2	NJ

Category: NPW16--NPW - Lab Developed/Non-Std Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	NPW16.00001	1,1-Dichloro-1-fluoroethane	GC/MS, P & T or Direct Injection, Capillary	User Defined SW-846 8260C	NJ

Category: SCM02--Characteristics of Hazardous Waste

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM02.00020	Cation-exchange capacity	Soils, Sodium Acetate	SW-846 9081	NJ
Certified	Yes	SCM02.00060	Chlorine - total, solid waste	Combustion, Bomb Oxidation	SW-846 5050	NJ
Certified	Yes	SCM02.00140	Free liquid	Flow-Through Paint Filter, Observation	SW-846 9095B	NJ
Certified	Yes	SCM02.00160	Heat of combustion (BTU)	Bomb Calorimeter	ASTM D240	NJ
Certified	Yes	SCM02.00180	Ignitability	Pensky Martens	SW-846 1010A	NJ
Certified	Yes	SCM02.00270	pH - soil and waste	Mix with Water or Calcium Chlorides	SW-846 9045D	NJ

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Category: SCM03--Inorganic Parameters and Preparation

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM03.00130	Bromide	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	SCM03.00220	Chloride	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	SCM03.00310	Cyanide	Colorimetric, Automated	SW-846 9012B	NJ
Certified	Yes	SCM03.00382	Cyanide - amenable to Cl2	Distillation, Colorimetric (Automated)	SW-846 9012B	NJ
Certified	Yes	SCM03.00420	Extractable organic halides (EOX)	Extraction	SW-846 9023	NJ
Certified	Yes	SCM03.00470	Fluoride	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	SCM03.00640	Kjeldahl nitrogen - total	Digestion, Semi-automated	EPA 351.2	NJ
Certified	Yes	SCM03.00720	Nitrate - nitrite	Cadmium Reduction, Automated	EPA 353.2	NJ
Certified	Yes	SCM03.00790	Nitrite	Spectrophotometric, Manual	SM 4500-NO2 B-11	NJ
Certified	Yes	SCM03.00800	Oil & grease - sludge-hem	Extraction & Gravimetric	SW-846 9071B	NJ
Certified	Yes	SCM03.01020	Sulfate	Ion Chromatography	SW-846 9056A	NJ
Certified	Yes	SCM03.01080	Sulfides, acid sol. & insol.	Titration	SW-846 9034	NJ
Certified	Yes	SCM03.01120	Total organic carbon (TOC)	Infrared Spectrometry or FID	OTHER 9060A	NJ
Certified	Yes	SCM03.01130	Total organic carbon (TOC)	Pyrolytic	Other Lloyd Kahn	NJ

Category: SCM05--Metals - SCM Preparation Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM05.00010	Metals	Acid Digestion, Soil Sediment & Sludge	SW-846 3050B	NJ
Certified	Yes	SCM05.00020	Metals	Chromium VI Digestion	SW-846 3060A	NJ
Certified	Yes	SCM05.00130	Metals	Synthetic PPT Leachate Procedure	SW-846 1312	NJ
Certified	Yes	SCM05.00140	Metals	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ

Category: SCM06--Metals

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM06.00320	Chromium (VI)	Colorimetric	SW-846 7196A	NJ
Certified	Yes	SCM06.00350	Chromium (VI)	Ion Chromatography	SW-846 7199	NJ
Certified	Yes	SCM06.00660	Mercury - solid waste	AA, Manual Cold Vapor	SW-846 7471B	NJ

Category: SCM07--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM07.00022	Aluminum	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00042	Aluminum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00062	Antimony	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00092	Antimony	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00122	Arsenic	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00152	Arsenic	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00172	Barium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00202	Barium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00232	Beryllium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00262	Beryllium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00282	Boron	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00302	Boron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00332	Cadmium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00362	Cadmium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00392	Calcium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00412	Calcium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00432	Chromium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00462	Chromium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00502	Cobalt	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00532	Cobalt	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00552	Copper	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00582	Copper	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00612	Iron	ICP	SW-846 6010D	NJ

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Category: SCM07--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM07.00632	Iron	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00662	Lead	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00692	Lead	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00722	Lithium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00742	Magnesium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00762	Magnesium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00792	Manganese	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00822	Manganese	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00852	Molybdenum	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00882	Molybdenum	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00912	Nickel	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.00942	Nickel	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.00992	Potassium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01012	Potassium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01042	Selenium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01072	Selenium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01122	Silver	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01152	Silver	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01182	Sodium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01202	Sodium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01222	Strontium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01242	Strontium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01292	Thallium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01322	Thallium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01382	Tin	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01402	Tin	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01422	Titanium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01442	Titanium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01532	Vanadium	ICP	SW-846 6010D	NJ
Certified	Yes	SCM07.01562	Vanadium	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01592	Zinc	ICP	SW-846 6010D	NJ

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Category: SCM07--Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM07.01622	Zinc	ICP/MS	SW-846 6020B	NJ
Certified	Yes	SCM07.01644	Zirconium	ICP	SW-846 6010D	NJ

Category: SCM08--Organics - SCM Prep. / Screening Methods

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM08.00080	Organics	Synthetic PPT Leachate Procedure	SW-846 1312	NJ
Certified	Yes	SCM08.00090	Organics	Waste Dilution	SW-846 3580A	NJ
Certified	Yes	SCM08.00140	Semivolatile organics	Cleanup-Acid/Base Partition	SW-846 3650B	NJ
Certified	Yes	SCM08.00150	Semivolatile organics	Cleanup-Alumina	SW-846 3610B	NJ
Certified	Yes	SCM08.00170	Semivolatile organics	Cleanup-Florisil	SW-846 3620C	NJ
Certified	Yes	SCM08.00180	Semivolatile organics	Cleanup-Gel Permeation	SW-846 3640A	NJ
Certified	Yes	SCM08.00190	Semivolatile organics	Cleanup-Silica Gel	SW-846 3630C	NJ
Certified	Yes	SCM08.00200	Semivolatile organics	Cleanup-Sulfur Removal	SW-846 3660B	NJ
Certified	Yes	SCM08.00220	Semivolatile organics	Cleanup-Sulfuric Acid/KMnO4	SW-846 3665A	NJ
Certified	Yes	SCM08.00240	Semivolatile organics	Microwave Extraction	SW-846 3546	NJ
Certified	Yes	SCM08.00250	Semivolatile organics	Petroleum Waste, Cleanup Alumina	SW-846 3611B	NJ
Certified	Yes	SCM08.00280	Semivolatile organics	Soxhlet Extraction	SW-846 3540C	NJ
Certified	Yes	SCM08.00320	Semivolatile organics	TCLP, Toxicity Procedure, Shaker	SW-846 1311	NJ
Certified	Yes	SCM08.00350	Semivolatile organics	Ultrasonic Extraction	SW-846 3550C	NJ
Certified	Yes	SCM08.00390	Volatile organics	TCLP, Toxicity Procedure, ZHE	SW-846 1311	NJ
Certified	Yes	SCM08.00440	Volatile organics - high conc.	Methanol Extract, Closed System P & T	SW-846 5035A	NJ
Certified	Yes	SCM08.00460	Volatile organics - low conc.	Closed System Purge & Trap	SW-846 5035A	NJ

Category: SCM09--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State

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Category: SCM09--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM09.00050	Extractable Petroleum Hydrocarbons	Extraction, GC, FID	Other NJDEP EPH 10/08, Rev. 3	NJ
Certified	Yes	SCM09.00740	Butanol (1-)	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00770	Diesel range organic	Extraction, GC, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00810	Ethyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00850	Gasoline range organic	GC P&T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00870	Iso-butyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00880	Isopropyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00890	Methyl alcohol (Methanol)	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.00960	Propyl Alcohol (n-)	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.01010	Tert-butyl alcohol	GC, Direct Injection or P & T, FID	SW-846 8015D	NJ
Certified	Yes	SCM09.02280	Alachlor	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02290	Aldrin	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02300	Alpha BHC	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02320	Beta BHC	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02330	Chlordane (alpha) (cis-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02340	Chlordane (gamma) (trans-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02350	Chlordane (technical)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02420	DDD (4,4'-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02430	DDE (4,4'-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02440	DDT (4,4'-)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02450	Delta BHC	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02460	Dieldrin	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02470	Endosulfan I	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02480	Endosulfan II	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02490	Endosulfan sulfate	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02500	Endrin	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02510	Endrin aldehyde	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02520	Endrin ketone	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02540	Heptachlor	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02550	Heptachlor epoxide	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ

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Category: SCM09--Organic Parameters - Chromatography

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	SCM09.02560	Hexachlorobenzene	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02580	Lindane (gamma BHC)	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02590	Methoxychlor	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02620	Mirex	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.02660	Toxaphene	GC, Extraction, ECD or HECD, Capillary	SW-846 8081B	NJ
Certified	Yes	SCM09.03190	PCB 1016	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03200	PCB 1221	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03210	PCB 1232	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03220	PCB 1242	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03230	PCB 1248	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03240	PCB 1254	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03250	PCB 1260	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03260	PCB 1262	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.03270	PCB 1268	GC, Extraction, ECD or HECD, Capillary	SW-846 8082A	NJ
Certified	Yes	SCM09.04640	D (2,4-)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04650	Dalapon	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04660	DB (2,4-)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04680	Dicamba	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04700	Dichlorprop	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04710	Dinoseb	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04730	MCPA	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04740	MCPP	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04760	Pentachlorophenol	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04770	Picloram	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04780	T (2,4,5-)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ
Certified	Yes	SCM09.04790	TP (2,4,5-) (Silvex)	GC, Extraction, ECD, Capillary	SW-846 8151A	NJ

Category: SCM10--Organic Parameters - Chromatography/MS

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Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.05810	Acetone	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05820	Acetonitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05830	Acrolein	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05840	Acrylonitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05850	Allyl chloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05870	Benzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05880	Benzyl chloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05890	Bromobenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05900	Bromochloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05910	Bromodichloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05930	Bromoform	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05940	Bromomethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05950	Butadiene (2-chloro-1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05960	Butanol (1-)	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05970	Butanol (3,3-Dimethyl-1-)	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05980	Butanone (2-) (Methyl ethyl ketone)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.05990	Butyl formate (t-)	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06020	Butylbenzene (n-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06030	Carbon disulfide	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06040	Carbon tetrachloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06050	Chlorobenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06060	Chloroethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06070	Chloroethyl vinyl ether (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06080	Chloroform	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06090	Chloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06100	Chlorotoluene (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06110	Chlorotoluene (4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06130	Cyclohexane	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06140	Cyclohexanone	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06150	Dibromo-3-chloropropane (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06160	Dibromochloromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06170	Dibromoethane (1,2-) (EDB)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

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2235 RT 130
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Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.06180	Dibromomethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06200	Dichloro-2-butene (trans-1,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06210	Dichlorobenzene (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06220	Dichlorobenzene (1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06230	Dichlorobenzene (1,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06240	Dichlorodifluoromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06250	Dichloroethane (1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06260	Dichloroethane (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06270	Dichloroethene (1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06280	Dichloroethene (cis-1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06290	Dichloroethene (trans-1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06300	Dichloropropane (1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06310	Dichloropropane (1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06320	Dichloropropane (2,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06330	Dichloropropene (1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06340	Dichloropropene (cis-1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06350	Dichloropropene (trans-1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06360	Diethyl ether (Ethyl ether)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06370	Diisopropyl Ether (DIPE)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06380	Dioxane (1,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06390	Ethanol	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06400	Ethyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06410	Ethyl methacrylate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06420	Ethylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06430	Ethyl-tert-butyl Ether (ETBE)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06440	Heptane (n-)	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06450	Hexachlorobutadiene (1,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06460	Hexachloroethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06470	Hexane (n-)	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06480	Hexanone (2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06490	Iso-butyl alcohol	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.06510	Isopropyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06520	Isopropylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06530	Isopropyltoluene (4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06540	Methacrylonitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06550	Methyl acetate	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06560	Methyl acrylate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06570	Methyl iodide	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06580	Methyl methacrylate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06590	Methyl tert-butyl ether	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06600	Methylcyclohexane	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06610	Methylene chloride (Dichloromethane)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06640	Naphthalene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06660	Nitropropane (2-)	GC/MS, P&T, or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06690	Pentachloroethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06710	Pentanone (4-methyl-2-) (MIBK)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06720	Propionitrile	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06730	Propylbenzene (n-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06740	Sec-butylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06750	Styrene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06760	tert-Amylmethyl ether (TAME)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06780	Tert-butyl alcohol	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06790	Tert-butylbenzene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06800	Tetrachloroethane (1,1,1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06810	Tetrachloroethane (1,1,2,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06820	Tetrachloroethene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06830	Tetrahydrofuran	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06840	Toluene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06860	Trichloro (1,1,2-) trifluoroethane (1,2,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06870	Trichlorobenzene (1,2,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06880	Trichlorobenzene (1,2,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06890	Trichloroethane (1,1,1-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.06900	Trichloroethane (1,1,2-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06910	Trichloroethene	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06920	Trichlorofluoromethane	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06930	Trichloropropane (1,2,3-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06950	Trimethylbenzene (1,2,4-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06960	Trimethylbenzene (1,3,5-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06970	Trimethylpentane (2,2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06980	Vinyl acetate	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.06990	Vinyl chloride	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.07000	Xylene (m-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.07010	Xylene (o-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.07020	Xylene (p-)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.07030	Xylenes (total)	GC/MS, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.07035	Dioxane (1,4-)	GC/MS/SIM, P & T or Direct Injection, Capillary	SW-846 8260C	NJ
Certified	Yes	SCM10.09230	Acenaphthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09240	Acenaphthylene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09250	Acetophenone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09260	Acetylaminofluorene (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09280	Alpha - terpineol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09300	Aminobiphenyl (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09320	Aniline	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09330	Anthracene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09340	Aramite	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09350	Atrazine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09370	Benzaldehyde	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09380	Benzenethiol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09390	Benzidine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09400	Benzo(a)anthracene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09410	Benzo(a)pyrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09420	Benzo(b)fluoranthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09430	Benzo(ghi)perylene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

Annual Certified Parameter List and Current Status

Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.09450	Benzo(k)fluoranthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09460	Benzoic acid	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09480	Benzyl alcohol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09510	Biphenyl (1,1'-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09520	Bis (2-chloroethoxy) methane	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09530	Bis (2-chloroethyl) ether	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09540	Bis(2-chloroisopropyl)ether|2,2'-oxybis(1-chloropropane)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09550	Bis (2-ethylhexyl) phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09560	Bromophenyl-phenyl ether (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09570	Butylbenzylphthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09580	Caprolactam	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09590	Carbazole	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09630	Chloroaniline (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09640	Chlorobenzilate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09660	Chloronaphthalene (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09670	Chlorophenol (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09680	Chlorophenyl-phenyl ether (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09690	Chrysene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09730	Decane (n-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09750	Diallate (cis)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09760	Diallate (trans)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09770	Dibenz(a,h)acridine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09800	Dibenzo(a,h)anthracene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09840	Dibenzofuran	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09850	Dichlorobenzene (1,2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09860	Dichlorobenzene (1,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09870	Dichlorobenzene (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09880	Dichlorobenzidine (3,3'-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09890	Dichlorophenol (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09900	Dichlorophenol (2,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

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Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.09920	Diethyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09930	Dimethoate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09950	Dimethyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.09960	Dimethylaminoazobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10010	Dimethylbenz(a)anthracene (7,12-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10020	Dimethylphenol (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10030	Di-n-butyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10040	Dinitrobenzene (1,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10060	Dinitrophenol (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10070	Dinitrophenol (2-methyl-4,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10080	Dinitrotoluene (2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10090	Dinitrotoluene (2,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10100	Di-n-octyl phthalate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10110	Dinoseb	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10114	Dioxane (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10130	Diphenylhydrazine / Azobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10140	Disulfoton	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10220	Famphur	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10230	Fluoranthene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10240	Fluorene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10270	Hexachlorobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10280	Hexachlorobutadiene (1,3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10290	Hexachlorocyclopentadiene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10300	Hexachloroethane	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10320	Hexachloropropene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10330	Hydroquinone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10340	Indene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10350	Indeno(1,2,3-cd)pyrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10360	Isodrin	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10370	Isophorone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10380	Isosafrole (cis-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

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Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.10390	Isosafrole (trans-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10400	Kepone	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10420	Methanesulfonate (Ethyl-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10430	Methanesulfonate (Methyl-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10440	Methapyrilene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10460	Methyl phenol (4-chloro-3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10470	Methylcholanthrene (3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10480	Methylnaphthalene (1-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10490	Methylnaphthalene (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10500	Methylphenol (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10510	Methylphenol (3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10520	Methylphenol (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10530	Naphthalene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10540	Napthoquinone (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10550	Napththylamine (1-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10560	Napththylamine (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10570	Nitroaniline (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10580	Nitroaniline (3-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10590	Nitroaniline (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10600	Nitrobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10620	Nitrophenol (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10630	Nitrophenol (4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10640	N-Nitrosodiethylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10650	N-Nitrosodimethylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10660	N-Nitroso-di-n-butylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10670	N-Nitroso-di-n-propylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10680	N-Nitrosodiphenylamine / Diphenylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10690	N-Nitrosomethylethylamine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10700	N-Nitrosomorpholine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10710	N-Nitrosopiperidine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10720	N-Nitrosopyrrolidine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program

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Effective as of 8/21/2019 until 6/30/2020

Laboratory Name: SGS NORTH AMERICA INC. - DAYTON Laboratory Number: 12129 Activity ID: NLC 190004
2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.10730	Octadecane (n-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10740	Parathion	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10750	Parathion methyl	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10830	Pentachlorobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10840	Pentachloroethane	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10850	Pentachloronitrobenzene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10860	Pentachlorophenol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10870	Phenacetin	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10880	Phenanthrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10890	Phenol	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10900	Phenylenediamine (1,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10910	Phenylethylamine (alpha, alpha-Dimethyl)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10920	Phorate	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10930	Phosphorothioate (O,O,O-triethyl)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10940	Phosphorothioate (diethyl-O-2-pyrazinyl) [Thionazin]	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10950	Picoline (2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10960	Pronamide	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10970	Pyrene	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10980	Pyridine	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.10990	Quinoline	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11000	Quinoline -1-Oxide (4-Nitro)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11010	Safrole	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11060	Tetrachlorobenzene (1,2,4,5-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11070	Tetrachlorophenol (2,3,4,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11080	Toluidine (2-) (2-Methylaniline)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11100	Toluidine (5-nitro-2-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11120	Trichlorobenzene (1,2,4-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11130	Trichlorophenol (2,4,5-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11140	Trichlorophenol (2,4,6-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11160	Trinitrobenzene (1,3,5-)	GC/MS, Extract or Dir Inj, Capillary	SW-846 8270D	NJ

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2235 RT 130
DAYTON NJ 08810

Category: SCM10--Organic Parameters - Chromatography/MS

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM10.11170	Acenaphthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11180	Acenaphthylene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11190	Anthracene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11200	Benzo(a)anthracene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11210	Benzo(a)pyrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11220	Benzo(b)fluoranthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11230	Benzo(ghi)perylene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11240	Benzo(k)fluoranthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11250	Chrysene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11260	Dibenzo(a,h)anthracene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11270	Dinitrophenol (2-methyl-4,6-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11274	Dioxane (1,4-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11280	Fluoranthene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11290	Fluorene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11300	Hexachlorobenzene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11310	Hexachlorobutadiene (1,3-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11320	Indeno(1,2,3-cd)pyrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11340	Methylnaphthalene (2-)	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11350	Naphthalene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11370	Pentachlorophenol	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11380	Phenanthrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.11390	Pyrene	GC/MS/SIM, Extract or Dir Inj, Capillary	SW-846 8270D	NJ
Certified	Yes	SCM10.12810	1,1,1-Trifluoroethane	GC/MS, P & T or Direct Injection, Capillary	User Defined SW-846 8260C	NJ
Certified	Yes	SCM10.12820	1-Chloro-1,1-difluoroethane	GC/MS, P & T or Direct Injection, Capillary	User Defined SW-846 8260C	NJ
Certified	Yes	SCM10.12824	1,1-Dichloro-1-fluoroethane	GC/MS, P & T or Direct Injection, Capillary	User Defined SW-846 8260C	NJ
Certified	Yes	SCM10.12860	Ethylene glycol	GC/MS/SIM, Direct Aqueous Injection	User Defined SW-846 8260C	NJ
Certified	Yes	SCM10.12870	Propylene glycol	GC/MS/SIM, Direct Aqueous Injection	User Defined SW-846 8260C	NJ

Category: SCM14--SCM - Lab Developed/Non-Std Methods

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2235 RT 130
DAYTON NJ 08810

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Certified	Yes	SCM14.00920	Diesel range organic	Extraction, GC, FID	User Defined TCEQ 1005	NJ
Certified	Yes	SCM14.01940	Perchlorate	Ion Chromatography	User Defined EPA 314	NJ

Michele M. Potter, Manager