Summary of Scribe Database Phase II Effort in Support of Deepwater Horizon Oil Spill Response

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Background

The Scribe software was developed and is managed and maintained by the United States Environmental Protection Agency (EPA). During the Response phase to the Deepwater Horizon (DWH) Oil Spill Event, the Scribe software was offered for housing and sharing the environmental data being collected. A variety of federal agencies, state environmental management agencies and BP and its contractors used the software to enter data on the locations, descriptions, and analysis of water, sediment, oil, tar, dispersant, air and other environmental samples. Scribe was also used for air and water monitoring data descriptions and includes results and observational information.

The variety of data, DWH Scribe users and contracted laboratories, as well as the dynamics of this large-scale emergency response, resulted in inconsistencies in the initial data formats and entries. In order for the data in the DWH Scribe databases to be comparable, and for reliable evaluation and reporting to occur, harmonization across databases was necessary and three phases of data "cleanup" were identified. The first two cleanup phases were led by the National Oceanic and Atmospheric Administration's (NOAA) National Oceanographic Data Center (NODC) and supported by all the data providers (DWH Scribe database contributors). The third phase is led by NOAA's Office of Response and Restoration (OR&R). A description of these three cleanup phases follows:

Phase I. Focused specifically on the data required by the Operational Science Advisory Team (OSAT) evaluations. As stated in the OSAT report (OSAT, 2010) "The purpose of this report is to provide the Federal On-Scene Coordinator for the Deepwater Horizon MC252 Spill of National Significance with sufficient information to determine the presence or absence of subsurface oil and dispersants amenable to removal actions under the provisions of the Clean Water Act, the Oil Pollution Act of 1990, and the National Oil and Hazardous Substances Pollution Contingency Plan." This phase of Scribe cleanup concentrated on analytical data for near shore, off shore and deep sea water and sediment samples. The analyte names, Chemical Abstract Service (CAS) Numbers (registry numbers), detection limits, units of measurement, sample locations, and matrix were compared to lists of valid values and/or validation rules. The data were made sufficiently consistent for the OSAT to complete its evaluations with the aid of a cross-reference table for analyte name synonyms. This phase also identified additional cleanup and completion issues that needed to be applied across the DWH Scribe databases.

Phase II. Focused on completion of required content in the databases, further evaluation and reconciliation of CAS Numbers, analyte names, and sample identifiers. A second OSAT team formed which had greater emphasis on toxicity data and onshore samples which these databases needed to support. Additionally, this cleanup effort provided data in support of the Joint Analysis Group's (JAG) reporting of analytical chemistry results related to the subsurface monitoring of a deep plume. The goals of Phase II included (1) ensuring that the data needed

for the second OSAT and JAG was reliable and useable; (2) completing the process of providing unique analyte names and registry numbers; (3) providing consistent identifiers for each sample; (4) verifying values for sample locations and depths; and (5) and evaluating the databases for completeness and consistency against the rules set for the Deepwater Horizon Response.

Phase III. Focuses on any outstanding formatting or cleanup necessary for data being transitioned from Scribe databases into NOAA's Query Manager for data dissemination and archival. The air data, monitoring data, and anecdotal data (for example, information on odor complaints) will be segregated from the water, sediment and other field data. The non-air data will be formatted for entry into the Query Manager platform. Consistent mapping of Scribe fields into Query Manager fields will be documented and performed. Final cleanup may also include conversions needed to present the data in common units. For example, values for water samples may be converted from ng/L and ug/L into mg/L to facilitate consistent interpretation and evaluation of the data. Final disposition of air, monitoring and anecdotal data or other data not amenable to Query Manager will be determined. Archival and access for data incorporated into Query Manager will also be accomplished under this phase.

This document describes the Phase II "cleanup" effort and is designed to capture and provide information necessary to interpret and use these data. It identifies the participants in the DWH Scribe effort and the databases associated with the DWH Response. The processes for identifying valid values for Scribe database fields, adjusting rules for database implementation, identifying exceptions to database rules, and evaluating the database instances are described. All of the data providers participated in the Phase II effort lead by the NOAA to re-format the data into a consistent and reliable data set.

1 Resources

1.1 Participants

The compilation of the data and results collected and managed in the Scribe system for the DWH Response involved a number of organizations and their supporting contractors (Table 1). Scribe databases were created by federal organizations including the EPA, NOAA, United States Geological Survey (USGS), and the National Park Service (NPS); state organizations including Louisiana Department of Environmental Quality (LDEQ), Mississippi Department of Environmental Quality (MDEQ), Alabama Department of Environmental Management (ADEM), and Florida Department of Environmental Protection (FLDEP); and three companies contracted by BP, Environmental Standards Inc. (ESI), the Center for Toxicology and Environmental Health, L.L.C. (CTEH) and Total Safety Inc. (TSI). Support in managing some of the databases was provided by Weston Solutions Inc. (WSI) for EPA, Industrial Economics Inc. (IEc) for NOAA and AECOM for BP and CTEH.

In many cases, multiple people from each organization contributed both scientific and data management support to this Scribe Phase II effort. Also, EPA contractors provided cross-agency support to others for database management and publishing. A listing of the individuals involved in this Phase II effort and their organizational affiliations is provided in Appendix A.

Table1. Organizations and Supporting Contractors

Organization **Supporting Contractor**
National Oceanic and Atmospheric Administration (NOAA)
Dynamac Corp.
Industrial Economics Inc. (IEc)
Environmental Protection Agency (EPA)
Environmental Response Team (ERT)
Environmental Protection Agency (EPA)
Region 4 (R04)
Oneida Total Integrated Enterprises (OTIE)
Tetra Tech, Inc.
Environmental Protection Agency (EPA)
Region 6 (R06)
Weston Solutions, Inc. (WSI)
US Geological Survey (USGS)
National Park Service (NPS)
BP
AECOM
Battelle
Center for Toxicology & Environmental Health LLC (CTEH)
Environmental Standards, Inc. (ESI)
Exponent, Inc.
Total Safety Inc. (TSI)
Florida Department of Environmental Protection (FLDEP)
Mississippi Department of Environmental Quality (MSDEQ)
Alabama Department of Environmental Management (ADEM)
Alabama EnviroChem Inc. (ALECI)
Louisiana Department of Environmental Quality (LDEQ)

1.2 Scribe Databases

In support of the DWH response, federal and state agencies and BP managed the data that their respective groups were collecting. Table 2 provides a listing of these 14 database projects along with the responsible organizations and a summary of the database content.

Table 2. Scribe Database Content Summary

Project ID	Project Name	Responsible Organization(s) (Project Publisher*)	Contents
1082	DW_Reporting	EPA R04, R06, ERT (EPA / WSI / OTIE)	Data collected by EPA Region 4, Region 6 and ERT. Contains locations, descriptions, and analytical results for 3,625 air, 3 dispersant, 57 liquid waste, 490 sediment, 112 solid waste, 2 tar, 1 waste, 1,476 water, and 51 weathered oil samples. Also contains air and water monitoring data and documentation of odor complaints.
1112	BP_DW_Sampling_Analytical	EPA R06 (EPA / WSI)	Contains sample and analytical information on four source samples split between BP and EPA. Contains EPA analytical results.
1113	LDEQ_DW_Sampling_Analytical	LDEQ (EPA / WSI)	Contain air sample descriptions and analytical results from summa canisters collected in two locations.
1119	ADEM_DW_Sampling_ Analytical_Monitoring	ADEM	Contains locations, descriptions, analytical results and field monitoring for 103 water samples.
1120	CTEH_DW_Monitoring	BP / CTEH / AECOM (BP / CTEH)	Contains 805,237 monitoring results for air and 3,065 monitoring results for water. The air results included: 13,889 benzene, 469 carbon monoxide, 198,198 hydrogen sulfide, 44 lower explosive limit, 41 oxygen, 54 odor, 57 pm10, 143,735 pm2.5, 181,174 sulfur dioxide, 1 toluene and 267,575 volatile organic constituents. The water monitoring included: 526 turbidity, 613 dissolved oxygen, 646 pH, 642 specific conductance, and 638 temperature measurements.
1121	TS_DW_Monitoring	BP / TSI / CTEH (BP / CTEH)	Contains AreaRAE health and safety measurements on 20 vessels collected by Total Safety Inc. (TSI).
1122	MSDEQ_DW_Sampling_Analytical	MDEQ	Contains locations, descriptions and analytical information for 473 water, 42 sediment, and 143 solid samples.
1133	NPS_DW_Sampling_Analytical	NPS (EPA / Tetra Tech)	Contains the location, description and analytical information for one groundwater sample.
1134	ALECI_DW_Sampling_Analytical	ADEM (ALECI)	Contains locations, descriptions and analytical information for 17 sediment and 197 water samples.
1219	NOAADW	NOAA / IEc	Contains locations, and descriptions for 92 oil, 3,375 sediment, 3 tissue, 12 vegetation, and 23,954 water samples. Also contains results from 2,284 toxicity tests on rotifers. Onboard measurements on water samples included: 3,329 dissolved oxygen, 7,915

			various dissolved organic constituents using GC , GCFID, and GC/MS.
1130	FLDEP_DW_Sampling_Analytical	FLDEP	Contains location, sample and analytical information for 337 sediment, 1793 water, seven liquid waste and one tar samples.
1260	USGSDW	USGS (EPA / WSI)	Contains locations, descriptions and analytical information for 194 water and 230 sediment/soil samples.
1300	CTEH_DW_Sampling_Analytical	BP / CTEH / AECOM (BP / CTEH)	Contains location, descriptions and analytical information for 12,470 air, 12 liquid waste, 58 oil, 1,466 sediment, 19 solid, 680 tar, 101 waste, 6,049 water samples. Also contains 26,580 visual observations at sampling sites.
1302	EnvStds_DW_Sampling_Analytical_2	BP / ESI	Contains locations, descriptions and analytical data for 8 air, 25 biota, 155 liquid waste, 788 oil, 1 plant tissue, 3346 sediment, 75 snare, 12 solid, 816 tar, 329 vegetation, 329 waste7,826 water, 1,071 weathered oil samples.

*Project Publishers are listed where these differ from Responsible Organization.

2 Scribe Application to DWH Environmental Data Collection

2.1 Scribe Software Overview

Scribe is a software tool and database structure developed by the EPA's Environmental Response Team (ERT) to assist in the process of managing environmental data. Field data and supporting information for sampling, observations, and monitoring can be captured in Scribe. The base structure of Scribe is set up to include Soil Sampling, Water Sampling, Air Sampling and Biota Sampling along with the Analytical Lab Result data and Sampling Location data.

Each of the data providers developed and maintained their own Scribe database and shared their database through the process of publishing it to Scribe.NET. Scribe.NET provides a system for storing and sharing Scribe projects and is managed by EPA ERT. Although some data providers used SQL database clients in house, Microsoft Access versions of the databases were published and that allowed the Phase II effort to use a common set of validation and verification tools when testing across the databases.

The Scribe program and documentation can be downloaded from http://www.ertsupport.org/downloads.htm. The list of Scribe projects and information on

latest versions, dates, etc. is posted on
https://www.epaosc.org/scribe_net/admin_tools/systemsummary.aspx.

As shown in Table 2, the type and extent of data entered into Scribe database varies greatly in these 14 databases. Each of the 14 DWH Scribe databases is "owned" by one individual on one computer. Only the owner can publish information to the database. The ownership can be passed off but to only one individual and computer at a time.

To subscribe to a given Scribe database, the software, a subscription ID and a password are required. The subscriber can then subscribe to the latest publication of the database in MS Access (.mdb) format. In addition to subscribing in MS Access™, an Oracle™ or SQL™ version can be obtained.

The wide variety of data and the intended use of the data required some data providers to add tables and fields to the existing structure. Some uncommon chemical analyses were required and multiple laboratories were used. The wide variety of data collected by various organizations resulted in inconsistent representation of the data within the database structure.

2.2 Adapting the Scribe Database Framework

The original database structure of Scribe consists of 20 tables with a variety of fields for the observation types and sampling details. This original structure is provided in Appendix B. Early in the Deepwater Horizon Response work, the Scribe structure was reviewed and a set of Rules were adapted and defined for the application of Scribe to the specific data that were being collected for the Response effort. These Rules identified specific tables and fields that were required and how they were to be used. The Rules also identified which fields referenced constrained lists of input values, referred to as Valid Values. Rules were modified at times through the Response effort when the Scribe team of data providers and data managers deemed it necessary. For example, a case where a mandatory field must be completed for a water sample result may not be applicable for a sediment sample and therefore, the Rules were adjusted to accommodate these cases. The final set of Rules that was used for this Scribe Phase II Clean-up effort is provided in Appendix C.

2.3 Development of Valid Values

The data in the 14 DWH Scribe databases were entered independently from each other, initially resulting in a variety of data formats and interpretations of definitions for the various data fields. Each data provider used its own set of valid values for key fields including measurement units, chemical qualifiers, analytes and analytical methods. Additionally, 55 different laboratories evaluated and reported results on samples. In order to be able to integrate the results from multiple databases and provide comparable results, the Valid Values needed to be harmonized across the databases.
A set of agreed-upon Valid Values was developed and implemented to obtain consistent representation of chemical names, qualifiers, units, positions, dates, etc. covering the 47

database fields that require a constrained list of possible entries. The Valid Value set was developed over the course of adding to, publishing, and evaluating the databases. The values were agreed-upon and applied by each data provider and the data management team. The final Valid Values List is provided in Appendix D. The Valid Values List is formatted by Primary Scribe Table, Scribe Field Name, and Valid Value.

The initial Valid Values List was compiled from the content of all 14 of the databases. Preliminary rounds of paring down the values were done, drawing consensus on selections from the data providers. The list was distributed to the data providers along with each data provider's list of "invalid" values in each field. The providers reviewed field information, for example, cruise logbooks and other field forms, and laboratory EDDs and supporting documentation to reconcile and correct the invalid values. The process was repeated after each round of database updates. Questions on values often arose and were presented to the team for their input and consideration before changes were made.

The most intensive effort was developing and applying an agreed-upon list of analytes, CAS numbers, and analytical methods. Unusual and experimental methods were often used to evaluate for biomarkers and other unusual chemical and toxicological parameters. More than 1,200 analytes were reported in one or more of the 14 Scribe databases. A major resource to select consistent analyte names and CAS numbers was the EPA Substance Registry Services, (http://iaspub.epa.gov/sor_internet/registry/substreg/home/overview/home.do). This source was also used to locate EPA Registration Numbers for analytes, biomarkers, and toxicity values which did not have CAS Numbers.

Throughout the process of determining Valid Values, a number of synonymous terms were tracked, especially relating to the representations of analytes. These synonyms are listed in Appendix E along with their corresponding Valid Value.

2.4 Information Supporting Valid Values

Although the Valid Value List provides the possible content for many of the database fields, additional information which further describes that content or that show relationships among terms can be critical to the use of the data. Three areas of supporting information are listed below.

2.4.1 Analytes and CAS_No

A key relationship in the databases is that between Analyte and CAS Number (CAS_No) fields. As many analytes have often been known by a number of synonyms including generic and commercial terms, the CAS_No provides the common identifier for those synonyms. CAS_No are unique identifiers primarily assigned by the Chemical Abstract Service. The corresponding relationship between the Analytes and the CAS_No used in the Valid Value List is provided by Analyte in Appendix F and by CAS_No in Appendix G.

2.4.2 Qualifiers

The use of laboratory data qualifiers is standard in analytical laboratories. Lab result qualifiers are assigned by the analytical laboratory performing the analyses. Result qualifiers are assigned by the chemist (usually a third party) conducting validation of the data, as received from the laboratory. Qualifiers are used to flag analytes in an analytical report. They are used to further define the analytical results. Qualifiers are codes (usually letters) affixed to the analytical results to indicate the reliability and quantitative status of the reported data. The purpose of laboratory data qualifiers is to facilitate appropriate use, consistent with the Data Quality Objectives. Data Quality Objectives are qualitative and quantitative statements of the overall level of uncertainty that a decision-maker will accept in results or decisions based on environmental data. They provide the statistical framework for planning and managing environmental data operations consistent with user needs. Laboratory data qualifier definitions must be specific, and be included in the Sample Delivery Group report narrative supplied by the laboratory conducting the analyses.

For the Valid Values List, the Qualifier codes were harmonized, however, the definitions of each of these codes is based on the Data Provider and the Laboratory which assigned the qualifier. Because of variations in the definitions of qualifiers from one lab to the next, Appendix H provides all the definitions that were made available to the Scribe team. These qualifier definitions were obtained from both the database providers and the laboratories.

2.4.3 Laboratories

Laboratory names (sometimes abbreviated due to field length) are provided in the Valid Value List. The complete list used by each of the data providers is provided in Appendix I. This list is a compilation of contact information from the data providers. Where available, it includes addresses and in some cases individuals who were Points of Contact for this DWH Response effort.

2.5 Validation Tests

As part of the Scribe Phase II Effort, a suite of validation tests were developed to evaluate the databases. These tests consisted of 68 queries that were performed routinely on each updated database. A summary of the validation tests is provided in Appendix J. Tests that have a Test No. associated are ones that were performed during this Phase II Effort. Additional tests (not numbered) are listed but these were not routinely performed and the requirements for those particular fields were not enforced. One numbered test, test 52, was excluded from the validation tests because laboratories did not routinely and reliably report the date received. The tests evaluated values in 12 Scribe tables. The tests can be grouped in the following categories:

- Tests against valid values.
- Tests to check required fields for blanks and null entries.
- Tests within acceptable ranges to check that dates are within the time of the response and positions are within the area of the response.

- Tests for orphaned values. For example, checking to be sure that all samples have an associated location.

2.6 Special cases

Some of the validation tests were applicable to some of the data but not all the data. Also, some data fields were applied ambiguously. Most of these special cases are identified in the Comment column in Appendix J and are also summarized as follows:

- The Basis field in the LabResults table, which can be wet, dry or as received, is only applicable to solid matrices including sediment, soil and solid.
- Some values are only acceptable or applicable to QA samples. Zero values for latitude and longitude and blank for datum in the Location table are only acceptable for QA samples. In addition, the Percent_Recovery in the LabResults table is only applicable to QA samples.
- The Volume and Volume_Units in the Samples table is only applicable to air samples.
- Samp_Depth and Samp_depth-units in the samples table is not applicable to air samples but required for all other matrices.
- The Samp_Depth value in the Sample table for sediment samples was interpreted inconsistently. Some providers considered it to be the depth from the top of the sediment. Other providers considered it to be the depth from the top of the water column.
- The matrix field in the Samples table does not always match the MatrixID field in the linked LabResults table. For example, the field team may identify a sample as oil while the laboratory identifies the same sample as water, recognizing that it is oily water.

3 Database Evaluation Process

The steps in the circular interactive database evaluation process used in the Scribe Phase II Effort are shown in Figure 1. Some of the steps were conducted by the data providers/database owners, others were conducted by the evaluation team, which included Julie Bosch, Jim Brinkman and Paul Moisan. Additionally, database providers and the evaluation team jointly performed some of the actions. Each step in the process is described below.

Publish databases: Each of the databases was published by the responsible organization or their designated publisher. The publishers used the Scribe software to publish the database to the Scribe.Net site. Publication of a database replaced the previous version with all updated and added information.

Access latest databases: This step was conducted by the evaluation team using the Scribe software. The team used the Project name and password to subscribe to the published databases to create an updated local copy of the database.

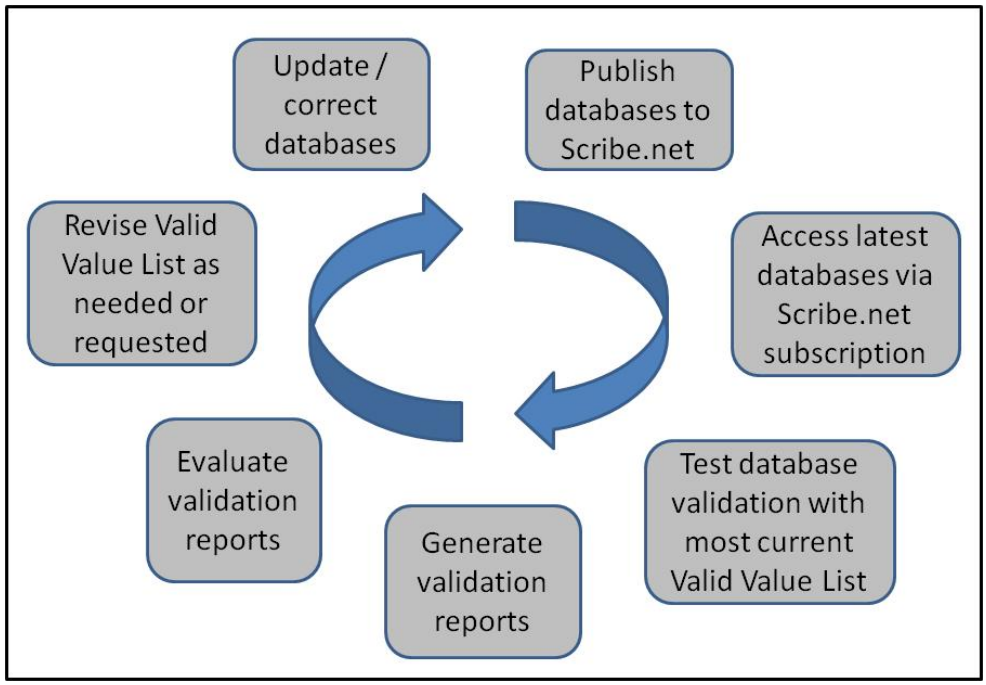

Figure 1. General Process for DWH Database Evaluation

Test database validation: Visual Basic for Applications (VBA) ™ code was developed and implemented by the evaluation team to implement some or all of the 68 queries on one or more of the 14 DWH Scribe databases. The code creates a set of Excel workbooks that included a summary worksheet and a workbook for each database where invalid or missing values were identified. The summary worksheet listed the number of invalid values for each tested database and each tested query. The database workbooks listed all the invalid values with sufficient supporting information for the evaluation team and data providers to locate the invalid values within the databases. Appendix K includes a listing of the VBA code and instructions on how to use the code to create validation workbooks.

Generate validation reports: The evaluation team annotated the workbooks produced in the previous step with guidance, comments, questions and instructions to the data providers.

Evaluate validation: The evaluation teams discussed the validation reports with the providers as a group or individually. Based on the availability and quality of the field and laboratory data, the evaluation teams and data providers selected the appropriate actions to address the invalid or missing values.

Revise Valid Value List: The evaluation often resulted in revisions to the Valid Values Lists. These revisions resulted in redundant or incorrect analyte names, analytical methods, units, etc. being removed. Other revisions included values added to the list that were used routinely by the data providers.

Update/Correct database: This step was conducted by the data providers/ database owners. The database update included additional data imported to the database and modifications to the database based on the evaluation of the validation reports. The updated database was then re-published cycling back through the evaluation process.

4 Phase II Database Completeness

The fourteen databases were evaluated and "validated" over the course of several months and the resulting Phase II Effort version numbers and dates are summarized in Table 3.

4.1 Noted Exceptions

Throughout the validation process, nearly all the databases had some validation issues that could not be addressed. Rather than placing numerous special cases into the validation tests or the database rules, each data provider was asked to identify which issues in the validation reports should be allowed as exceptions in their databases. These exceptions were captured in email messages and the reference emails are noted in the final validation reports. Exceptions ranged from database field content not being applicable to particular samples or sample media to certain pieces of information not being provided by a laboratory or available from field notes. Copies of these "Noted Exception" emails are being archived with each of the databases at the National Oceanographic Data Center (NODC) and are being made available to users of the databases for reference.

4.2 Outstanding Issues

Final validation reports were produced for each of the 14 databases independent of the other databases. The first final validation report was completed on April 6, 2011 while the last report was completed on November 9, 2011. Through this eight-month period additional cross-checking of the valid values found inconsistencies in four of the databases that had completed validations. These outstanding issues are summarized below by database and should be considered by future users of these data.

Database 1113 LDEQ_DW_Sampling_Analytical:

An incorrect analyte name listed for CAS_No. 75-27-4. The 251 instances of the CAS_No 75-27-4 should have the analyte name Dichlorobromomethane instead of Dibromomethane.

Database 1112 BP_DW_Sampling_Analytical:

An incorrect analyte name listed for CAS_No. 75-27-4. The four instances of the CAS_No 75-27-4 should have the analyte name Dichlorobromomethane instead of Dibromomethane.

Table 3. Scribe Database Phase II Status

Project ID	Project Name	Responsible Organization	Project Publisher (Data Management) Organization	Validated Database		Valid Value List Date	Final Validation Report Date
				Version	Date		
1082	DW_Reporting	EPA R04, R06, ERT	EPA / WSI / OTIE	219	2011May02	2011Apr29	2011May02
1112	BP_DW_Sampling_Analytical	EPA R06	EPA / WSI	6	2011Jun01	2011May26	2011Jun01
1113	LDEQ_DW_Sampling_Analytical	LDEQ	EPA / WSI	55	2011Apr20	2011Apr13	2011Apr20
1119	ADEM_DW_Sampling_Analytical_Monitoring	ADEM	ADEM	14	2011Mar31	2011Apr06	2011Apr06
1120	CTEH_DW_Monitoring	BP / CTEH	BP / CTEH	15	2011May05	2011Apr29	2011May05
1121	TS_DW_Monitoring	BP / CTEH	BP / CTEH	6	2010Jun24	2011May11	2011May11
1122	MSDEQ_DW_Sampling_Analytical	MSDEQ	MSDEQ	24	2011Nov09	2011Nov04	2011Nov09
1130	FLDEP_DW_Sampling_Analytical	FLDEP	FLDEP	76	2011Jun27	2011Jun23	2011Jun27
1133	NPS_DW_Sampling_Analytical	NPS	EPA / Tetra Tech	4	2011Apr26	2011Apr27	2011Apr27
1134	ALECI_DW_Sampling_Analytical	ADEM	ADEM / ALECI	22	2011Aug03	2011Nov04	2011Nov04
1219	NOAADW	NOAA	NOAA / IEc	81	2011Nov08	2011Nov04	2011Nov08
1260	USGSDW	USGS	EPA / WSI	18	2011Apr28	2011Apr28	2011Apr28
1300	CTEH_DW_Sampling_Analytical	BP / CTEH	BP / CTEH	34	2011May18	2011May11	2011May18
1302	Envstd_Sampling_Analytical_2	BP / ESI	BP / ESI	69	2011May18	2011May11	2011May18

Database 1300 CTEH_DW_Sampling_Analytical:

Database uses an incorrect Analyte/Cas_no combination for one sample (#10130725004). The database used Analyte *2-Butenal* with Cas_No *6117-91-5*. Further review is necessary to determine if this should be corrected to *2-Butenal=4170-30-3* or *2-Buten-1-ol=6117-91-5*.

Database 1302 EnvStds_DW_Sampling_Analytical_2:

Database uses an incorrect Analyte/Cas_no combination. The database used Analyte *2-Butoxyethanol* with Cas_No *4170-30-3*. Further review is necessary to determine if this should be corrected to *2-Butenal=4170-30-3* or *2-Butoxyethanol =111-76-2*.

5 Archiving Scribe Databases

A compilation of the materials related to the Scribe Database Phase II Effort is archived at NOAA's National Oceanographic Data Center (NODC). These materials include the final Phase II version of each of the fourteen MS Access databases, along with the corresponding versioned Valid Values List, the final validation report annotated with any exceptions, and supporting documentation (email, spreadsheets, etc.) that describe these exceptions. This collection is archived under a single accession number. The outlined structure of the files being archived is provided in Appendix L.

6 References

Scribe software and documentation
http://www.ertsupport.org/downloads.htm

Scribe projects and most recent publication version information
https://www.epaosc.org/scribe_net/admin_tools/systemsummary.aspx

EPA Substance Registry Service
http://iaspub.epa.gov/sor_internet/registry/substreg/home/overview/home.do

Florida Department of Environmental Protection, Bureau of Labs, Validator Code List
http://www.dep.state.fl.us/labs/cgi-bin/wacs/qualcodes.asp

EPA Guidance on Environmental Data Verification and Data Validation, EPA QA/G-8, November 2002 (EPA/240/R-02/004)

Operational Science Advisory Team (OSAT), Unified Area Command, Summary Report for Sub-Sea and Sub-Surface Oil and Dispersant Detection: Sampling and Monitoring, December 2010.

USEPA Contract Laboratory Program, National Functional Guidelines for Superfund Organic Methods Data Review (OSWER 9240.1-48, USEPA-540-R-08-01), June 2008.

Data Validation Standard Operating Procedures for Organic Analysis, United States Environmental Protection Agency, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Revision 3.1, August 2008.

Appendix A: List of Participants in the Scribe Phase II Effort

Name	Organization	Email	Publisher (Project#)
Valerie Alley	MSDEQ	Valerie_Alley@deq.state.ms.us	MSDEQ publisher (1122)
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Matt Miller	BP / ESI	mmiller@envstd.com	ESI publisher (1302)
Paul Moisan	NOAA / Dynamac	Paul.Moisan@noaa.gov	
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Appendix A: List of Participants in the Scribe Phase II Effort

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Appendix B. Scribe Database Tables (scribe3.mdb)

Table: COC

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	COCId	AutoNumber, Long Integer	4	Database Autonumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	COC	Text	30	Chain of Custody Number (PK)	Yes
4	COC_Contact	Text	50	COC Contact	No
5	COC_ContactPhone	Text	50	COC Contact Phone Number	No
6	Lab	Text	50	Lab COC sent to	No
7	Lab_Contact	Text	30	Lab Contact	No
8	Lab_Phone	Text	20	Lab Phone Number	No
9	Lab_Fax	Text	20	Lab Fax	No
10	Lab_Address	Text	150	Lab Address	No
11	Lab_Address2	Text	50	Lab Address2	No
12	Lab_City	Text	40	Lab City	No
13	Lab_State	Text	20	Lab State	No
14	Lab_Zip	Text	20	Lab Zip	No
15	Lab_Remark	Text	250	Lab Remark	No
16	Cooler_No	Text	20	The COC Cooler Number	No
17	CarrierName	Text	50	The Carrier used to ship the COC	No
18	AirbillNo	Text	50	Airbill number	No
19	DateShipped	Date/Time	8	Date COC shipped	No
20	Remark	Memo	0	Remark	No
21	Date_Input	Date/Time	8	System Date	No
22	Date_Edit	Date/Time	8	System Date	No
23	Edited_By	Text	20	System Edited by	No

Table: Events

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	EventsID Long Integer	AutoNumber,	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	EventID	Text	50	EventID. Use to group data by sampling/monitoring events (i.e. EOC,Site Assessment) (PK)	Yes
4	EventDate	Date/Time	8	Event Date	No
5	EventTime	Date/Time	8	Event Time	No
6	CtrContact	Text	30		No
7	Option_Period	Text	5		No
8	CTRWano	Text	25		No
9	AmbTemp	Text	10		No
10	RelHumidity	Text	10		No
11	BarPressure	Text	10		No
12	Temperature	Text	10		No
13	WindSpeed	Text	10		No
14	WindDir	Text	20		No
15	Precip	Text	10		No
16	Sky	Text	15		No
17	EventRemarks	Text	255		No
18	Date_Input	Date/Time	8	System Date Input	No
19	Date_Edit	Date/Time	8	System Date Edit	No
20	Edited_By	Text	20	System Edited By	No

Appendix B. Scribe Database Tables (scribe3.mdb)

Table: Instruments

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	InstrumentsDBID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	InstrumentID	Text	50	Instrument ID. Uniquely identifies instrument (PK)	Yes
4	Instrument_Descr	Text	100	Instrument Description (i.e. Photo Ion Detector, HNU)	No
5	Instrument_SN	Text	50	Instrument SN (i.e. A11198)	No
6	Instrument_Manufacturer	Text	50	Instrument Manufacturer (i.e. HNU Systems)	No
7	Instrument_Model	Text	50	Instrument Model (i.e. ISPI-101)	No
8	Instrument_Type	Text	50	Instrument Type (i.e. PID/FID)	No
9	Instrument_Cal_Date	Date/Time	8	Instrument Calibration Date	No
10	Instrument_Cal_By	Text	50	Instrument Calibrated By	No
11	Instrument_Remark	Text	255	Instrument Remark	No
12	Detector_Type	Text	50	Detector Type	No
13	Detector_Mode	Text	50	Detector Mode	No

Table: LabAnalyses

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	LabAnalysesID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Analyses_Type	Text	20	Analyses Type (i.e. Organics, Inorganics, RCRA, USER_DEFINED,	No
4	Program_Type	Text	10	The Program (i.e. CLP or Non-CLP)	No
5	Analyses_ID	Text	4	System field	No
6	Analyses	Text	50	Analysis Name (i.e. VOCs, PCBs, metals TAL) (PK)	Yes
7	Analyses_Abbrev	Text	10	Analyses Abbrev	No
8	Turnaround	Number, Double	8	Turnaround time for the analysis	No
9	Turnaround_Units	Text	25	Turnaround time units for the analysis	No
10	LabQCType	Text	50	Lab QC to be done on the analysis	No
11	Analyses_Comment	Text	100	Analyses Comment	No

Table: LabResults

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	LabResultsID	AutoNumber, Long Integer	4	Table Autonumber. PK is Site_No,Samp_No, Analysis, Analyte, Result_Units	Yes
2	Site_No	Text	12	Site Number (Required PK, FK)	No
3	Samp_No	Text	25	Scribe/Field Sample Number (Required PK)	No

Appendix B. Scribe Database Tables (scribe3.mdb)

4	Lab_Location_ID	Text	30	Sample Location ID reported by the lab	No
5	Matrix_ID	Text	20	Matrix ID reported by Lab. (i.e. Soil, Water, Air, etc.)	No
6	Sample_Type_Code	Text	10	Code which distinguishes between different types of samples. For example Normal samples must be distinguished from lab method blank	No
7	Lab_Coc_No	Text	50	Chain of Custody Number as reported by the Lab	No
8	Date_Collected	Date/Time	8	Date Sample Collected as reported by the Lab	No
9	Date_Received	Date/Time	8	Date Samples Received by Lab	No
10	Date_Extracted	Date/Time	8	Date Samples Extracted by Lab	No
11	Date_Analyzed	Date/Time	8	Date Analysis was performed by Lab	No
12	Lab_Name	Text	50	Laboratory that performed the analysis	No
13	Lab_Samp_No	Text	25	Lab Sample Number	No
14	Lab_Batch_No	Text	30	Lab Batch Number	No
15	Analysis	Text	100	Lab Analysis (i.e VOCs) (Required PK)	No
16	Analytical_Method	Text	100	Lab Analytical Method (i.e. 8270M)	No
17	Extraction_Method	Text	100	Lab Extraction Method (i.e. MEP, TCLP, SPLP, EP)	No
18	Cas_no	Text	50	Chemical Abstract Number (CAS)	No
19	Analyte	Text	60	Analyte/Paramater name (i.e. Lead, Arsenic, etc.) (Required PK)	No
20	Detected	Text	20	Detected or Not Detected. i.e. "Y" for detected analytes or "N" for	No
21	Result	Number, Double	8	Result (number) returned from lab	No
22	Result_Qualifier	Text	10	Final/Validated Result qualifier/flag (i.e. J,U,ND,<,>)	No
23	Lab_Result_Qualifier	Text	10	Result Qualifier as Reported by the Lab	No
24	Result_Units	Text	20	Result Unit of measurement (Required PK)	No
25	MDL	Number, Double	8	Method Detection Limit (MDL)	No
26	MDL_Units	Text	20	MDL Units	No
27	Quantitation_Limit	Number, Double	8	Quantitation Limits as determined by the lab.	No
28	Quantitation_Limit_Units	Text	20	Quantitation Limit Units	No
29	Reporting_Limit	Number, Double	8	Reporting Limits as determined by the	No
30	Reporting_Limit_Units	Text	20	Reporting Limit Units	No
31	Reportable_Result	Text	5	"Yes" for results which are considered to be reportable, or "No" for other	No
32	Result_Type_Code	Text	10	"TRG" for a target or regular result, "TIC" for tentatively identifed compounds, "SUR" for surrogates, "IS" for internal standards, or "SC" for	No
33	QC_Type	Text	40	Laboratory_Control_Sample, Method_Blank	No
34	Percent_Solids	Number, Double	8	Percent Solids	No
35	Percent_Lipids	Number, Double	8	Percent Lipids	No
36	Percent_Moisture	Number, Double	8	Percent Moisture of the sample portion used in the test	No
37	Total_Or_Disolved	Text	1	"D" for dissolved or filtered (metal) concentration, or "T" for everything else	No
38	Test_Type	Text	10	Type of test (i.e. "initial", "reextract1", "reextract2", "reextract3", "reanalysis", "dilution1", "dilution2", and "dilution3")	No

Appendix B. Scribe Database Tables (scribe3.mdb)

39	Basis	Text	10	"Wet" for wet_weight basis reporting, "Dry" for dry_weight reporting	No
40	Dilution_Factor	Number, Double	8	Effective test dilution factor.	No
41	Percent_Recovery	Number, Double	8	Percent Recovery	No
42	SubSample_Amount	Number, Double	8	Amount of sample used for test.	No
43	SubSample_Amount_Unit	Text	20	Unit of measurement for subsample amount.	No
44	Final_Volume	Number, Double	8	The final volume of the sample after sample prepartion. Include all dilution factors.	No
45	Final_Volume_Unit	Text	20	The unit of measurement that corresponds to the final_amount.	No
46	Comments	Text	250	Result Comments	No
47	QAFlag	Number, Long Integer	4	QAFlag (Values: 0 =Not QAed 1=QAed)	No
48	QA_Date	Date/Time	8	QA Date	No
49	QA_Comment	Text	250	QA Comment	No
50	QA_UserName	Text	50	QA Username	No
51	Date_Input	Date/Time	8	System Date Input	No
52	Date_Edit	Date/Time	8	System Date Edit	No
53	Edited_By	Text	20	System Edited By	No

Table: Location

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	LocationID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Location	Text	30	Sampling Location Code/Monitoring Location Code (PK)	Yes
4	PropertyID	Text	50	Property ID (FK)	No
5	LocationDescription	Text	100	Location Description further describes the Location Code.	No
6	LocationZone	Text	25	Location Zone describes the area impacted relative to the site.	No
7	Latitude	Number, Double	8	Latitude	No
8	Longitude	Number, Double	8	Longitude	No
9	Altitude	Number, Double	8	Altitude	No
10	GPS_PDOP	Number, Double	8	Position Dilution of Precision	No
11	GPS_CorrectionType	Text	50	GPS Correction Type (i.e. uncorrected, corrected)	No
12	GPS_Date	Date/Time	8	GPS Date Recorded	No
13	GPS_Time	Date/Time	8	GPS Time Recorded	No
14	GPS_Collected_By	Text	30	Collector of GPS Data	No
15	GPS_Comment	Text	50	GPS comment recorded	No
16	GPS_Phase	Text	30	Phase that GPS coordinate was	No
17	Northing	Number, Double	8	Northing	No
18	Easting	Number, Double	8	Easting	No
19	Datum	Text	50	Geopositioning datum associated with the Latitude and Longitude coordinates. (i.e. NAD27, NAD83)	No
20	GeoMethod	Text	30	Geopositioning method used to establish Latitude and Longitude coordinates. (i.e. GPS, Interpolation, Survey)	No
21	GeoScale	Text	20	Scale of the map or photo used to interpolate the Latitude and Longitude	No

Appendix B. Scribe Database Tables (scribe3.mdb)

				coordinates	
22	Surf_Elev	Number, Double	8	Surface Elevation records the Ground elevation of a geographic point where samples or field measurements are collected.	No
23	Surf_Units	Text	20	Surface Elevation Units (i.e. feet,	No
24	ElevMethod	Text	30	Method used to determine the elevation measurement. (i.e. Altimetry, GPS, Interpolation, Other, Survey)	No
25	ElevDatum	Text	50	Datum used to determine the elevation measurement. (i.e NAVD88, NGVD29, WGS84, Sea Level, Unknown) Datum used to determine the elevation measurement Datum used to determine the elevation measurement. i.e. NAVD88, NGVD29, WGS84, Sea Level, Unknown	No
26	Coord_Sys_Desc	Text	70	Coordinate system	No
27	LocationComment	Text	250	Location Comment	No
28	Location_Image_Path	Text	255	File path to a related file or image	No
29	Date_Input	Date/Time	8	System Date Input	No
30	Date_Edit	Date/Time	8	System Date Edited	No

Table: Monitoring

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	MonitoringDBID	AutoNumber, Long	4	Database AutoNumber. The Scribe Integer Import Wizard uses the Site_No, InstrumentID, Location, Mon_Date, Mon_Time, Mon_Parameter fields to uniquely identify monitoring records	Yes
2	Site_No	Text	12	Site Number. (FK)	No
3	EventID	Text	50	EventID. Use to group data by monitoring events. (FK)	No
4	InstrumentID	Text	50	Instrument ID (FK)	No
5	Location	Text	50	Monitoring Location Code (FK)	No
6	Sub_Location	Text	30	Sub Location (i.e. Fence Line, Perimeter. For residential: Living Room, Kitchen, etc.)	No
7	Mon_Date	Date/Time	8	Monitoring Date	No
8	Mon_Time	Text	30	Monitoring Time (hh:mm:ss)	No
9	Mon_Operator	Text	50	Monitoring/Sampler Name	No
10	Mon_Parameter	Text	30	Monitoring Parameter (i.e. Mercury)	No
11	Mon_Measurement	Number, Double	8	Monitoring Measurement	No
12	Mon_Meas_Units	Text	40	Monitoring Measurement Units	No
13	Mon_Qualifier	Text	10	Monitoring data qualifier/flag (i.e. J,U,ND,<,>)	No
14	Mon_Criteria	Number, Double	8	Monitoring Criteria such as detection limit, action limit or other criteria	No
15	Mon_Criteria_Units	Text	20	Monitoring Criteria Units	No
16	Mon_Source	Text	50	Monitoring Source (i.e. Radiation Type/Energy)	No
17	Mon_Meas_Surface	Text	50	Monitoring Measurement Surface (i.e. concrete)	No
18	Mon_Remark	Text	255	Monitoring Data Remark	No

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Table: PropertyInfo

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	PropertyInfoDBID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	PropertyID	Text	50	PropertyID (PK)	Yes
4	PropertyType	Text	15	Property Type (i.e. residential)	No
5	PropertyAccessAgreement	Yes/No	1	Access Agreement Y/N	No
6	OwnerOccupied	Yes/No	1	Owner Occupied Y/N	No
7	TennantOccupied	Yes/No	1	Tenant Occupied Y/N	No
8	PropertyZone	Text	25	Property Zone	No
9	PropertyTaxID	Text	50	Property Tax ID	No
10	PropertyBlockID	Text	25	Property Block Number	No
11	PropertyParcelID	Text	25	Parcel Identifier	No
12	PropertyFirstName	Text	50	Property Contact's First Name	No
13	PropertyLastName	Text	50	Property Contact's Last Name (Tenant)	No
14	PropertyPhone	Text	50	Property Phone Number	No
15	PropertyAddress	Text	50	Property Address	No
16	PropertyAddress2	Text	50	Property Address 2	No
17	PropertyCity	Text	50	Property City	No
18	PropertyState	Text	20	Proiperty State	No
19	PropertyZip	Text	20	Property Zip	No
20	OwnerLastName	Text	50	Owner Last Name	No
21	OwnerFirstName	Text	50	Owner First Name	No
22	OwnerAddress	Text	50	Owner Address (may be different than property address)	No
23	OwnerAddress2	Text	50	Owner Address 2	No
24	OwnerCity	Text	50	Owner City	No
25	OwnerState	Text	20	Owner State	No
26	OwnerZip	Text	20	Owner Zip	No
27	OwnerPhone	Text	50	Owner Phone	No
28	OwnerAlternateNumber	Text	50	Alternate Phone #	No
29	PropertyAccessRequestedDate	Date/Time	8	Access Requested Date	No
30	PropertyAccessApprovedDate	Date/Time	8	Access Approved Date	No
31	PropertyDate1	Date/Time	8	DateExteriorAccessRequested	No
32	PropertyDate2	Date/Time	8	DateInteriorAccessRequested	No
33	PropertyDate3	Date/Time	8	DateInteriorAccessApproved	No
34	PropertyDate4	Date/Time	8	DateInteriorAccessDenied	No
35	PropertyDate5	Date/Time	8	DateExteriorAccessApproved	No
36	PropertyDate6	Date/Time	8	DateExteriorAccessDenied	No
37	PropertyComment	Text	250	Property Comment	No

Table: PropertyOccupant

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	PropertyOccupantDBID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	PropertyID	Text	50	Property ID (FK)	No
4	OccupantID	Text	25	Occupant ID is a Unique Identifier for the Occupant (PK)	Yes
5	OccupantLastName	Text	50	Last Name	No

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6	OccupantFirstName	Text	50	First Name	No
7	OccupantAge	Number, Double	8	Age	No
8	OccupantAgeUnits	Text	30	Occupant Age Units (i.e. years)	No
9	OccupantGender	Text	30	Gender	No
10	OccupantDateContacted	Date/Time	8	Date Contacted	No
11	OccupantRemarks	Text	255	Remarks	No

Table: Samples

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	EventID	Text	50	EventID. Use to group data by sampling/monitoring events (FK). For example, EOC, Site Assessment	No
4	Samp_No	Text	25	Sample Number. Unique sample number (PK)	Yes
5	SampleDate	Date/Time	8	Date Sample Taken	No
6	SampleTime	Text	5	Time Sample Taken	No
7	Location	Text	30	Sample Location Cod/Station ID. Identifies where a sample was taken.	No
8	Sub_Location	Text	25	Sub Location further describes Location info. (i.e. For residential: Living Room, Kitchen, etc.)	No
9	Matrix	Text	40	Sampling Matrix (i.e. Water, Soil, Air)	No
10	SampleMedia	Text	30	Sampling Media	No
11	SampleCollection	Text	30	Sample Collection Method (i.e. Grab, Composite, Discrete Interval)	No
12	SampleType	Text	30	Sample Type (i.e. Field Sample, Field Duplicate, Lab QC, Spike, Trip Blank)	No
13	Samp_Depth	Number, Double	8	Sampling Depth From	No
14	Samp_Depth_To	Number, Double	8	Sampling Depth To	No
15	Samp_Depth_Units	Text	20	Sampling Depth Units	No
16	Volume	Number, Double	8	Air Sampling Volume. Wipe Sampling Area	No
17	Volume_Units	Text	20	Volume Units	No
18	Samp_Concentration	Text	20	Sample Concentration (low, medium, high)	No
19	Sampler	Text	30	Sampler Name/Organization	No
20	Witness	Text	30	Witness Name/Organization	No
21	LinkSampleNo	Text	25	Linked Sample Number	No
22	Image_Path	Text	100	Image File Path	No
23	Remarks	Memo	0	Sample Remarks	No
24	LabResultsAvailable	Yes/No	1	System Assigned LabResults for this Sample Y/N	No
25	Task_ID	Text	4	System Assigned Task_ID (Values: A01=Air Sampling, B01=Biota Sampling, SO01=Soil Sampling, SG01=Soil Gas Sampling, WA01=Water Sampling, WIPE=Wipe Sampling) (FK)	No
26	Date_Input	Date/Time	8	System Date Input	No
27	Date_Edit	Date/Time	8	System Date Edit	No
28	Edited_By	Text	20	System Edited By	No

Appendix B. Scribe Database Tables (scribe3.mdb)

Table: SamplesAir

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesAirID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample Number. (PK, FK)	Yes
4	SamplerID	Text	50	Air Sampler Equipment ID - Pump #	No
5	Date_Cal	Date/Time	8	Date Sampler Calibrated	No
6	Media_Type	Text	30	Air High Vol Sampling	No
7	Media_Items	Text	50	Air High Vol Sampling	No
8	Start_Date	Date/Time	8	Air Sampling Start Date	No
9	Start_Time	Date/Time	8	Air Sampler Start time (hh:mm)	No
10	Stop_Date	Date/Time	8	Air Sampling Stop Date	No
11	Stop_Time	Date/Time	8	Air Sampler Stop time (hh:mm)	No
12	Time_Counter	Text	10	Use Sampling Time or Sampler Counter to calculate time. (Values: Counter,	No
13	Start_Count	Number, Double	8	Air Sampler Start Counter	No
14	Stop_Count	Number, Double	8	Air Sampler Stop Counter	No
15	Total_Time	Number, Double	8	Total Sampling time	No
16	Start_Temperature	Number, Double	8	Start_Temperature (F)	No
17	Start_Pressure	Number, Double	8	Start_Pressure (Hg)	No
18	Stop_Temperature	Number, Double	8	Stop Temperature	No
19	Stop_Pressure	Number, Double	8	Stop Pressure	No
20	Pre_Magnehelic	Number, Double	8	Starting Magnehelic reading	No
21	Post_Magnehelic	Number, Double	8	Ending Magnehelic reading	No
22	Pre_Cal	Number, Double	8	Start Flow Rate - Pre-Calc	No
23	Post_Cal	Number, Double	8	Stop Flow Rate - Post-Calc	No
24	Avg_Flow	Number, Double	8	Average Flow Rate	No
25	Flow_Units	Text	20	Flow rate Units (i.e. Liters)	No
26	Pump_Fault	Text	1	Pump Fault (Y,N)	No
27	Orifice_ID	Text	50	Orifice ID	No

Table: SamplesBiota

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesBiotaID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number. (PK, FK)	Yes
4	LiveDead	Text	20	Sample Taken Alive or Dead! (Values: Live, Dead)	No
5	TrapType	Text	20	Trap Type	No
6	WholePart	Text	20	Whole or Partial Sample Taken	No
7	Maturity	Text	20	Relative Age Class	No
8	FP	Text	20	Values: Fresh or Preserved	No
9	Age	Number, Double	8	Age	No
10	AgedBy	Text	20	Aged By Units	No
11	Genus	Text	50	Genus	No
12	Species	Text	50	Species	No
13	ComName	Text	50	Common Name	No

14	Family	Text	50	Family	No
15	SPCode	Text	3	SPCode	No
16	Sex	Text	20	Male, Female	No
17	TotalLength	Number, Double	8	measurement	No
18	WholeWeight	Number, Double	8	measurement	No
19	TailLength	Number, Double	8	measurement	No
20	HindFootLength	Number, Double	8	measurement	No
21	EarLength	Number, Double	8	measurement	No
22	ForkLength	Number, Double	8	measurement	No
23	StandardLength	Number, Double	8	measurement	No
24	FiletWeight	Number, Double	8	measurement	No

Table: SamplesBiota

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesMeasurementsID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number. (PK, FK)	Yes
4	Meas_Descr	Text	30	Measurement Description (PK)	Yes
5	Meas_Result	Number, Double	8	Measurement Result	No
6	Meas_Units	Text	20	Measurement Units	No
7	Meas_Remark	Text	50	Measurement Remark	No

Table: SamplesSoil

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesSoilID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number (PK, FK)	Yes
4	Color	Text	25	Sample Color	No
5	Soil_Descr	Text	25	Soil Description (i.e. Sandy/Silty/Clay)	No
6	Munsel_Y	Text	30	Munsel Color Code	No
7	Munsel_R	Text	30	Munsel Color Code	No

Table: SamplesSoilGas

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesSoilGasID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number. (PK, FK)	Yes
4	Color	Text	25	Sample Color	No
5	Soil_Descr	Text	25	Soil Description (i.e. Sandy/Silty/Clay)	No
6	HNU	Number, Double	8	measurement	No
7	OVA	Number, Double	8	measurement	No
8	LEL	Number, Double	8	measurement	No
9	O2	Number, Double	8	measurement	No
10	Soil_Temp	Number, Double	8	measurement	No

11	Methane	Number, Double	8	measurement	No
12	Other1	Number, Double	8	measurement	No
13	Other2	Number, Double	8	measurement	No

Table: SamplesTags

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesTagID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number. (PK, FK)	Yes
4	Tag	Text	15	Sample Tag. Scribe UI defaults this to 'A' (PK, FK)	Yes
5	COC	Text	30	Chain of Custody Number (FK)	No
6	Coll_Method	Text	30	Collection Method	No
7	Container	Text	30	Container	No
8	No_Container	Number, Double	8	Number of Containers	No
9	Storage	Text	30	Sample Storage	No
10	Preservation	Text	30	Sample Preservation	No
11	Analyses_IDD	Text	4	System Field	No
12	Analyses	Text	50	Lab Analyses (FK)	No
13	Tag_Matrix	Text	20	Tag matrix	No
14	Tag_Measurement	Number, Double	8	Tag Measurement - i.e. Tag Weight	No
15	Tag_Units	Text	20	Tag Units of measurement	No
16	MS_MSD	Text	1	Matrix Spike/Matrix Spike Duplicate (Y or N)	No
17	Description	Text	30	Description	No

Table: SamplesWater

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesWaterID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number. (PK, FK)	Yes
4	Color	Text	25	Water Quality	No
5	Odor	Text	15	Water Quality	No
6	Temp	Number, Double	8	Water Quality Measurement	No
7	pH	Number, Double	8	Water Quality Measurement	No
8	Diss_O2	Number, Double	8	Water Quality Measurement	No
9	Conductivity	Number, Double	8	Water Quality Measurement	No
10	ORP	Number, Double	8	Water Quality Measurement	No
11	Salinity	Number, Double	8	Water Quality Measurement	No
12	Turbidity	Number, Double	8	Water Quality Measurement	No
13	Container_No	Text	15	Container Number(s)	No
14	ConductUnits	Text	15	Water Quality Measurement	No
15	Diss02Units	Text	15	Water Quality Measurement	No

Appendix B. Scribe Database Tables (scribe3.mdb)

Table: SamplesWipe

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SamplesWipeID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK, FK)	Yes
3	Samp_No	Text	25	Sample Number. Scribe requires a unique sample number. (PK, FK)	Yes
4	Composite_Discrete	Text	10	Composite or Discrete	No
5	Area1	Number, Double	8	Measurement	No
6	Area2	Number, Double	8	Measurement	No
7	Area_Surface	Text	50	Area Surface	No

Table: Site

#	*Field Name*	*Data Type*	*Size*	*Description*	*Primary Key*
1	SiteID	AutoNumber, Long Integer	4	Database AutoNumber	No
2	Site_No	Text	12	Site Number (PK)	Yes
3	Site_Numb	Text	12	User assigned site number	No
4	Option_Period	Text	5	Contract Option Period	No
5	Site_Name	Text	50	Name of site or project	No
6	Area	Text	60	Area, location of site	No
7	Site_State	Text	20	Site State	No
8	Site_Phone	Text	30	Site Phone #	No
9	Description	Text	50	Site Description	No
10	Site_Action	Text	30	Site Action (i.e. Emergency, TC, NTC, Remedial)	No
11	DO_Number	Text	30	Delivery ORder Number	No
12	CERCLIS	Text	20	Cerclis Number	No
13	AccountCode	Text	50	Regional Account Code	No
14	ProjectCode	Text	50	Regional Project Code	No
15	CaseNumber	Text	5	CLP CaseNumber	No
16	Response_Authority	Text	30	Response_Authority (i.e. OPA,	No
17	NPL_Status	Text	20	i.e.Non NPL	No
18	DASNumber	Text	50	DAS Number	No
19	EPARegionNumber	Text	10	EPA Region Number	No
20	EPA_OrgName	Text	50	EPA Organication (i.e. ERT)	No
21	EPAContract_No	Text	50	EPA Contract #	No
22	EPAProj_No	Text	50	EPA Project Number	No
23	EPAContact	Text	50	Primary EPA contact	No
24	EPAPhone	Text	50	Primary EPA contact phone #	No
25	Contract_Name	Text	50	Name of the contract (i.e. START)	No
26	Contractor	Text	50	Contractor name/company name	No
27	CTRContact	Text	50	Contractor Contact	No
28	Address1	Text	50	Contractor Address	No
29	Address2	Text	50	Contractor Address	No
30	City	Text	50	Contractor City	No
31	State	Text	20	Contractor State	No
32	Zip	Text	20	Contractor Zip	No
33	CTRPhone	Text	50	Contractor Phone	No
34	CTRWano	Text	50	Contractor WA #	No
35	Unit_Of_Meas	Text	50	Unit Of Measurement (i.e. Metric or Imperial etc.)	No

Appendix B. Scribe Database Tables (scribe3.mdb)

36	Remarks	Memo	0	Remarks	No
37	Date_Input	Date/Time	8	System Generated Date Input	No
38	Date_Edit	Date/Time	8	System Genererated Date Edited	No
39	Edited_By	Text	20	system Generated User Login Name	No
40	Control_No	Text	30	Control # used by master database to track distributed data	No
41	VER_NO	Number, Long Integer	4	System DB VER_NO	No

Appendix C. Database Rules for Data Elements

Primary Scribe Table	Scribe Field Name	Field Description	Data Type	Required	Format
Location	Altitude	Depth of water (depth to sea bed) in meters.	Numeric		####.##
SamplesTags	Analyses	Lab analyses requested in the field.	Text (30)		Free Text
LabResults	Analysis	General analysis (i.e VOCs) that was performed by the lab.	Text (100)	No	Valid Values
LabResults	Analyte	Analyte or name of the paramater (i.e. Lead; Arsenic; etc.) that was measured.	Text (60)	Yes	Valid Values
LabResults	Analytical_Method	Analytical Method (i.e. 8270M) that was performed by the lab.	Text (100)	Yes	Valid Values
SamplesAir	Avg_Flow	Average flow rate while the air sample was being collected.	Numeric		####.###
LabResults	Basis	"Wet" for wet weight basis reporting; "Dry" for dry weight reporting, or null for tests for which this distinction is not applicable.	Text (10)	Yes for solid Matrices	Valid Values
LabResults	Cas_no	Chemical Abstract Number (CAS) for the analyte that was measured.	Text (50)		Valid Values
COC	COC	Chain of Custody Number	Text (30)	Yes	Free Text
SamplesWater	Color	The color or related condition of a water sample.	Text (25)		Free Text
LabResults	Comments	General comments related to a lab result.	Text (250)		Free Text
SamplesWater	Conductivity	Conductivity measurement associated with a water sample.	Numeric		##.##
SamplesWater	ConductUnits	Units associated with a sample's Conductivity measurement.	Text (15)		Valid Values
SamplesTags	Container	Type of container used to ship the sample material.	Text (30)		Free Text
LabResults	Date_Analyzed	Date that the analysis was performed by the Lab.	DateTime	Yes	MM/DD/YYYY
LabResults	Date_Collected	Date that the sample was collected as reported by the Lab	DateTime	Yes	MM/DD/YYYY
LabResults	Date_Extracted	Date that the sample was extracted or prepared for analysis by the Lab.	DateTime		MM/DD/YYYY
LabResults	Date_Received	Date that the sample was received by the Lab.	DateTime	Yes	MM/DD/YYYY
Location	Datum	Horizontal control network that was used to latitude and longitude coordinates.	Text (10)	Yes	Valid Values
SamplesTags	Description	Description of the analytical procedures for the sample.	Text (30)		Free Text
LabResults	Detected	Indication whether or not the analyte was detected or not. For example, "Y" for detected analytes or "N" for non detects.	Text (20)	Yes	Valid Values
LabResults	Dilution_Factor	Effective test dilution factor.	Numeric		##.##
SamplesWater	Diss_O2	Dissolved Oxygen measurement associated with a water sample.	Numeric		##.##
SamplesWater	DissO2Units	Units associated with a sample's Dissolved Oxygen measurement.	Text (15)		Valid Values
Events	EventDate	The date when a project or reporting period began.	DateTime		MM/DD/YYYY
Events	EventID	The project or reporting period that data is associated with.	Text (50)	Yes	Free Text
Events	EventsRemarks	Comments related to a project or reporting period.	Text (255)		Free Text
LabResults	Extraction_Method	Extraction Method (i.e. MEP; TCLP; SPLP; EP) that was performed by the lab.	Text (100)		Free Text

Appendix C. Database Rules for Data Elements

Primary Scribe Table	Scribe Field Name	Field Description	Data Type	Required	Format
LabResults	Final_Volume	Final volume of the sample after sample prepartion. Include all dilution factors.	Numeric		####.##
LabResults	Final_Volume_Unit	Unit of measurement that corresponds to the Final_Amount.	Text (20)		Valid Values
SamplesAir	Flow_Units	Units associated with the average flow rate.	Text (20)		Valid Values
Location	GeoMethod	Method that was used to obtain the latitude and longitude coordinates.	Text (30)		Valid Values
Location	GPS_Comment	FOR ODOR COMPLAINTS ONLY: List of Odor Complaint IDs, in the case when one Odor Response conducted for several complaints	Text (50)		Free Text
Instruments	Instrument_Type	Type of instrument used to collect monitoring data.	Text (50)	Yes	Valid Values
Instruments	InstrumentID	Identifier for a piece of equipment (such as serial number) used to colled monitoring data.	Text (50)	Yes for Air samples	Free Text
LabResults	Lab_Batch_No	Batch Number for a set of analyses as reported by the lab.	Text (30)	Yes	Free Text
LabResults	Lab_Coc_No	Chain of Custody Number as reported by the Lab.	Text (50)	Yes	Free Text
LabResults	Lab_Name	Name of the laboratory that performed the analysis.	Text (50)	Yes	Valid Values
LabResults	Lab_Result_Qualifier	Result qualifier as reported by the Lab.	Text (10)		Valid Values
LabResults	Lab_Samp_No	Internal sample identifier used by the lab.	Text (25)	Yes	Free Text
Location	Latitude	Latitude that is associated with a sampling or monitoring location	Numeric	Yes	Decimal Degrees
Samples	LinkSampleNo	Samp_No that this sample should be associated with (for example, a Field Split).	Text (25)	Yes	Free Text
Location	Location	Location where sampling and monitoring reults are collected. For quality control activities without lat/long coordinates, be sure to include "QC" in the entry.	Text (30)	Yes	Free Text
Location	LocationComment	Comments about a Location or, if available, the historic location ID the location is associated with.	Text (250)		Free Text
Location	LocationDescription	Description of the location where sampling and monitoring reults are collected.	Text (100)		Free Text
Location	LocationZone	The geographic area (such as State, County, Parrish or City) that is associated with a sampling or monitoring location.	Text (25)		Valid Values
Location	Longitude	Longitude that is associated with a sampling or monitoring location	Numeric	Yes	Decimal Degrees
Samples	Matrix	Medium that is sampled.	Text (40)	Yes	Valid Values
LabResults	Matrix_ID	Matrix, as reported by the Lab, that was analyzed.	Text (20)	Yes	Free Text
LabResults	MDL	Method Detection Limit (MDL) for an analysis.	Numeric	Yes	####.####
LabResults	MDL_Units	Unit of measurement associated with the MDL.	Text (20)	Yes	Valid Values
SamplesMeasurements	Meas_Descr	Field parameter that was measured in the field on a sample and is not fully accounted for in the SamplesWater table. Using in NOAA DW	Text (30)	Yes	Valid Values

Appendix C. Database Rules for Data Elements

Primary Scribe Table	Scribe Field Name	Field Description	Data Type	Required	Format
SamplesMeasurements	Meas_Remark	Text results or other comments associated with the parameter that was measured.	Text (50)		Valid Values
SamplesMeasurements	Meas_Result	Numeric result associated with a parameter that was monitored.	Numeric		##.##
SamplesMeasurements	Meas_Units	Units associated with the parameter that was monitored.	Text (20)		Valid Values
Monitoring	Mon_Date	Date that the observation, characterisitic or parameter was monitored.	DateTime	Yes	MM/DD/YYYY
Monitoring	Mon_Meas_Units	Units associated with the observation, characterisitic or parameter was monitored.	Text (40)		Valid Values
Monitoring	Mon_Measurement	Numeric result associated with an observation, characterisitic or parameter that was monitored.	Numeric		####.####
Monitoring	Mon_Operator	The name of the sampling agency or organization that collected the monitoring results.	Text (50)		Free Text
Monitoring	Mon_Parameter	Observation, characterisitic or parameter that was monitored.	Text (30)	Yes	Valid Values
Monitoring	Mon_Qualifier	Qualifier related to a monitoring measurement generated by the operator.	Text (255)		Free Text
Monitoring	Mon_Remarks	Text result or other general comments associated with an observation, characterisitic or parameter that was monitored.	Text (10)		Free Text and Valid Values
Monitoring	Mon_Source	The source or collection method associated with a monitoring measurement.	Text (50)		Free Text
Monitoring	Mon_Time	Time that the observation, characterisitic or parameter was monitored.	DateTime	Yes	hh:mm:ss
SamplesTags	MS_MSD	Indication whether or not this sample is a Matrix Spike/Matrix Spike Duplicate (Y or N).	Text (1)		Free Text
SamplesTags	No_Container	Number of containers of a given container type that wash used to ship the sample.	Numeric		#
PropertyInfo	OwnerOccupied	FOR ODOR COMPLAINTS ONLY: OffShore - True when Odor Complaint is offshore. Yes = -1; No = 0.	Boolean		Valid Values
LabResults	Percent_Moisture	Percent Moisture of the sample portion used in the test.	Numeric		##.##
LabResults	Percent_Recovery	Percent Recovery, Required for QA Samples	Numeric	Yes for QA Samples	###.#
LabResults	Percent_Solids	Percentage of Solids in the sample.	Numeric		##.##
SamplesWater	pH	pH measurement associated with a water sample.	Numeric		##.#
PropertyInfo	PrepertyX	FOR ODOR COMPLAINTS ONLY: Longitude where the Odor Complaint originated.	Numeric		Decimal Degrees
SamplesTags	Preservation	Preservation applied to this sample before it was shipped.	Text (30)		Free Text
PropertyInfo	PropertyAccessAgreement	FOR ODOR COMPLAINTS ONLY: Investigated - True when complaint is investigated; if checked no not check Tennant Occupied. Yes = -1; No = 0.	Boolean		Valid Values
PropertyInfo	PropertyAddress	FOR ODOR COMPLAINTS ONLY: Address (line 1) for a residence that an Odor Complaint is associated with.	Text (50)		Free Text

Appendix C. Database Rules for Data Elements

Primary Scribe Table	Scribe Field Name	Field Description	Data Type	Required	Format
PropertyInfo	PropertyAddress2	FOR ODOR COMPLAINTS ONLY: Address (line 2) for a residence that an Odor Complaint is associated with.	Text (50)		Free Text
PropertyInfo	PropertyCity	FOR ODOR COMPLAINTS ONLY: City for a residence that an Odor Complaint is associated with.	Text (50)		Free Text
PropertyInfo	PropertyComment	FOR ODOR COMPLAINTS ONLY: Observations of the presence or absence of odor followed by additional comments in the format: Offshore, Odor Not Present, Odor Present, followed by "," then additional info.	Text (250)		Free Text
PropertyInfo	PropertyDate1	FOR ODOR COMPLAINTS ONLY: Date when an Odor Complaint was received.	DateTime		MM/DD/YYYY
PropertyInfo	PropertyDate2	FOR ODOR COMPLAINTS ONLY: Date when an Odor Complaint was investigated.	DateTime		MM/DD/YYYY
PropertyInfo	PropertyFirstName	FOR ODOR COMPLAINTS ONLY: First name of caller associated with Odor Complaint.	Text (50)		Free Text
PropertyInfo	PropertyID	Either 1) the name of a basecamp and/or vessel to which data is associated or 2) an identifier for a property to which an odor complaint is associated, 3) Sample Location Designator	Text (50)	Yes	Free Text
PropertyInfo	PropertyLastName	FOR ODOR COMPLAINTS ONLY: Last name of caller associated with Odor Complaint.	Text (50)		Free Text
PropertyInfo	PropertyPhone	FOR ODOR COMPLAINTS ONLY: Phone number of caller associated with Odor Complaint.	Text (50)		###-###-#####
PropertyInfo	PropertyState	State that a property is associated with.	Text (20)		Valid Values
PropertyInfo	PropertyTaxID	Subcategory of property to which data is associated when PropertyType is "Sampling Location".	Text (50)		Free Text
PropertyInfo	PropertyType	Type or general category of Property to which data is associated.	Text (15)		Free Text
PropertyInfo	PropertyY	FOR ODOR COMPLAINTS ONLY: Latitude where the Odor Complaint originated.	Numeric		Decimal Degrees
PropertyInfo	PropertyZone	The geographic area (such as State, County, or Parrish) that is associated with a Property.	Text (25)		Valid Values
SamplesAir	Pump_Fault	Indication whether or not a pump failed during the collection of a sample.	Text (1)		Valid Values
LabResults	QA_Comment	General QA comment related to a lab result.	Text (250)		Free Text
LabResults	QA_Date	Date that the results were QA'ed.	DateTime		MM/DD/YYYY
LabResults	QA_UserName	Name or individual or group that performed the QA.	Text (50)		Free Text
LabResults	QAFlag	QA flag associated with a lab result. 0=Not QAed; 1=QAed.	Text (1)		Valid Values
LabResults	QC_Type	Type of sample used internally by a lab for quality control purposes.	Text (40)		Valid Values
LabResults	Quantitation_Limit	Quantitation Limit for a lab result as determined by the lab.	Numeric		####.####
LabResults	Quantitation_Limit_Units	Unit of measurement associated with the Quantitation Limit.	Text (20)		Valid Values

Appendix C. Database Rules for Data Elements

Primary Scribe Table	Scribe Field Name	Field Description	Data Type	Required	Format
Samples	Remarks	Description of any issues related to the sample or monitoring result that would affect the data interpatation. For Tar, add size and consistency. For Mousse, add color and consistency. For Oily Debris, add color and type of debris. For Sediments, add comments related to the presence of oil	Memo		Free Text
LabResults	Reportable_Result	Result status as reported by the lab. Enter "Yes" for results which are considered to be reportable; or "No" for other results.	Text (5)		Valid Values
LabResults	Reporting_Limit	Reporting Limits for a lab result as determined by the lab.	Numeric	Yes	####.####
LabResults	Reporting_Limit_Units	Unit of measurement associated with the Reporting Limit.	Text (20)	Yes	Valid Values
LabResults	Result	Result that was measured by the lab for an analyte.	Numeric	U Flag required for Null Values	####.####
LabResults	Result_Qualifier	Final result qualifier/flag for a lab result. This qualifier is usually the result of a data validation.	Text (10)	Yes, if applicable	Valid Values
LabResults	Result_Type_Code	"TRG" for a target or regular result; "TIC" for tentatively identifed compounds; "SUR" for surrogates; "IS" for internal standards; or "SC" for spiked compounds.	Text (10)	Yes	Valid Values
LabResults	Result_Units	Unit of measurement associated with a Result.	Text (20)	Yes	Valid Values
SamplesWater	Salinity	Salinity measurement associated with a water sample.	Numeric		##.##
Samples	Samp_Depth	Depth at which a sampling activity occurred or the depth to the top of the place where the sampling activity took place if a range of depths is required.	Numeric	Yes for sediment, soil, and water samples	####.####
Samples	Samp_Depth_To	Depth to the bottom of the place where the sampling activity occurred if a range of depths is required.	Numeric	No	####.####
Samples	Samp_Depth_Units	Units associated with depth(s).	Text (20)	Yes	Valid Values
Samples	Samp_No	Identifier for a sample that is collected. Must be unique.	Text (25)	Yes	Free Text
Samples	SampleCollection	The method used to collect the sample.	Text (30)		Valid Values
Samples	SampleDate	Date when a sample is collected.	DateTime	Yes	MM/DD/YYYY
Samples	SampleMedia	Material used to collect an air sample.	Text (30)		Valid Values
Samples	Sampler	Name of the individual or group that collected the sample.	Text (30)		Free Text
SamplesAir	SamplerID	Identifier for a pump of other pice of equipment used to collect an air sample.	Text (50)		Free Text
Samples	SampleTime	Time when a sample is collected.	DateTime		hh:mm
Samples	SampleType	The type of sample that is collected.	Text (30)	Yes	Valid Values
Site	Site_Name	Name of the agency, organization or group that collects and or reports data.	Text (50)	Yes	Free Text
Site	Site_No	Designates the agency, organization or group that collects and/or reports data.	Text (12)	Yes	Valid Values
SamplesAir	Start_Count	Beginning counter reading when the collection of an air sample began.	Numeric		####.###

Appendix C. Database Rules for Data Elements

Primary Scribe Table	Scribe Field Name	Field Description	Data Type	Required	Format
SamplesAir	Start_Date	Date that the collection of an air sample began.	DateTime		MM/DD/YYYY
SamplesAir	Start_Pressure	Pressure that was measured when the collection of an air sample began.	Numeric		####.###
SamplesAir	Start_Time	Time that the collection of an air sample began.	DateTime		hh:mm
SamplesAir	Stop_Count	Final counter reading when the collection of an air sample finished.	Numeric		####.###
SamplesAir	Stop_Date	Date that the collection of an air sample finished.	DateTime		MM/DD/YYYY
SamplesAir	Stop_Pressure	Pressure that was measured when the collection of an air sample finished.	Numeric		####.###
SamplesAir	Stop_Time	Time that the collection of an air sample finished	DateTime		hh:mm
Samples	Sub_Location	Secondary locational information.	Text (25)		Free Text
LabResults	Subsample_Amount	Amount of sample used for test.	Numeric		####.##
LabResults	Subsample_Amount_Unit	Unit of measurement for subsample amount.	Text (20)		Valid Values
SamplesTags	Tag	Identifer for each aliquot of the original sample that is to be analyzed (defaults to "A").	Text (15)	Yes	Free Text
SamplesWater	Temp	Temperature measurement in degrees Celsius associated with a water sample.	Numeric		##.#
PropertyInfo	TennantOccupied	FOR ODOR COMPLAINTS ONLY: Not an Odor Complaint - After contacting the caller, the complaint was not odor related; If checked do not check PropertyAccessAgreement. Yes = -1; No = 0.	Boolean		Valid Values
LabResults	Test_Type	Type of test performed by the lab.	Text (10)		Valid Values
LabResults	Total_Or_Disolved	"D" for disolved or filtered (metal) concentration, or "T" for everything else.	Text (1)	Yes	Valid Values
Samples	Volume_Units	Volume Units	Text (20)	Yes for Air samples	Valid Values

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analysis	100% SMP
LabResults	Analysis	10D_0%SMP_SURVIV
LabResults	Analysis	10D_0%SMPGROWTH
LabResults	Analysis	10D_100%SMP_SURVIV
LabResults	Analysis	10D_100%SMPGROWTH
LabResults	Analysis	10D_PASS/FAILGROWTH
LabResults	Analysis	10D_PASS/FAILSURVIV
LabResults	Analysis	7D_0%SMP_GROWTH
LabResults	Analysis	7D_0%SMP_MORTALITY
LabResults	Analysis	7D_0%SMP_SURVIV
LabResults	Analysis	7D_10%SMP_GROWTH
LabResults	Analysis	7D_10%SMP_SURVIV
LabResults	Analysis	7D_100%SMP_GROWTH
LabResults	Analysis	7D_100%SMP_MORTALITY
LabResults	Analysis	7D_100%SMP_SURVIV
LabResults	Analysis	7D_50%SMP_GROWTH
LabResults	Analysis	7D_50%SMP_SURVIV
LabResults	Analysis	7D_LOEC_GROWTH
LabResults	Analysis	7D_LOEC_SURVIVAL
LabResults	Analysis	10 day survival of L. plumulosus
LabResults	Analysis	10 day survival of N. arenaceodentata
LabResults	Analysis	7 day survival for Americamysis bahia
LabResults	Analysis	7 day survival for Menidia beryllina
LabResults	Analysis	96 hour survival for Americamysis bahia
LabResults	Analysis	96 hour survival for Menidia beryllina
LabResults	Analysis	96 hour survival for Mysidopsis bahia
LabResults	Analysis	7D_NOEC_GROWTH
LabResults	Analysis	7D_NOEC_SURVIVAL
LabResults	Analysis	96HR_0%SMP_SURVIV
LabResults	Analysis	96HR_0%SMPGROWTH
LabResults	Analysis	96HR_0%SMP-MORTAL
LabResults	Analysis	96HR_0%SMP-MRT_30C
LabResults	Analysis	96HR_10%SMP_INHIBIT
LabResults	Analysis	96HR_10%SMP_SURVIV
LabResults	Analysis	96HR_10%SMP-MORTAL
LabResults	Analysis	96HR_100%SMP_INHIBIT
LabResults	Analysis	96HR_100%SMP_SURVIV
LabResults	Analysis	96HR_100%SMPGROWTH
LabResults	Analysis	96HR_100%SMP-MORTAL
LabResults	Analysis	96HR_100%SMP-MRT_30C
LabResults	Analysis	96HR_50%SMP_INHIBIT
LabResults	Analysis	96HR_50%SMP_SURVIV
LabResults	Analysis	96HR_50%SMP-MORTAL
LabResults	Analysis	96HR_LC50
LabResults	Analysis	96HR_PASS/FAILGROWTH
LabResults	Analysis	96HR_PASS/FAILSURVIV
LabResults	Analysis	Alcohols

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analysis	Alkyl PAHs
LabResults	Analysis	Ammonia as N
LabResults	Analysis	Ammonia/TKN
LabResults	Analysis	BOD
LabResults	Analysis	CMB96_0%SMP_GROWTH
LabResults	Analysis	CMB96_0%SMP_SURVIV
LabResults	Analysis	CMB96_0%SMPGROWTH
LabResults	Analysis	CMB96_100%SMP_GROWTH
LabResults	Analysis	CMB96_100%SMP_SURVIV
LabResults	Analysis	CMB96_100%SMPGROWTH
LabResults	Analysis	CMB96_100%SMPSURVIV
LabResults	Analysis	CMB96_PASS/FAILGROW
LabResults	Analysis	CMB96PASS/FAILSURVIV
LabResults	Analysis	COD
LabResults	Analysis	Coliforms
LabResults	Analysis	Computation by NWIS algorithm
LabResults	Analysis	Cyanide
LabResults	Analysis	Dispersant
LabResults	Analysis	Dissolved Mercury
LabResults	Analysis	Dissolved Metals
LabResults	Analysis	EC50
LabResults	Analysis	GC/MS Unknown
LabResults	Analysis	Glycols
LabResults	Analysis	GRO/DRO/ORO
LabResults	Analysis	Herbicides
LabResults	Analysis	Hydrogen Sulfide
LabResults	Analysis	Ignitability
LabResults	Analysis	LC50
LabResults	Analysis	LC50_AT_30C
LabResults	Analysis	Moisture Content
LabResults	Analysis	Nitrate and/or Nitrite
LabResults	Analysis	Not in Source Data
LabResults	Analysis	Oil and Grease
LabResults	Analysis	OIL AND SAND IN WATER
LabResults	Analysis	Organochlorine pesticides
LabResults	Analysis	Organophos Pesticides
LabResults	Analysis	PAH
LabResults	Analysis	PAH/APAH/Biomarkers
LabResults	Analysis	PAH/APAH/SHCs
LabResults	Analysis	PAH/VOA/Biomarkers
LabResults	Analysis	Paint Filter
LabResults	Analysis	PCB Aroclors
LabResults	Analysis	Pesticides
LabResults	Analysis	PH
LabResults	Analysis	Phosphorus
LabResults	Analysis	Physical Properties
LabResults	Analysis	PM2.5

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analysis	REF SMP
LabResults	Analysis	Semivolatile Organic Compounds
LabResults	Analysis	SNMOC
LabResults	Analysis	Sulfide
LabResults	Analysis	SULFUR
LabResults	Analysis	TCLP Mercury
LabResults	Analysis	TCLP Metals
LabResults	Analysis	TCLP SVOA
LabResults	Analysis	TCLP VOA
LabResults	Analysis	TOC
LabResults	Analysis	Total Mercury
LabResults	Analysis	Total Metals
LabResults	Analysis	Total Organic Halides
LabResults	Analysis	Toxicity
LabResults	Analysis	TPH
LabResults	Analysis	TPH-DRO/ORO
LabResults	Analysis	TPH-GRO
LabResults	Analysis	TPH/PRO
LabResults	Analysis	TSS
LabResults	Analysis	Turbidity
LabResults	Analysis	Volatile Organic Compounds
LabResults	Analysis	Wet Chemistry
LabResults	Analyte	% Gravel
LabResults	Analyte	% Moisture
LabResults	Analyte	% Sand
LabResults	Analyte	% Silt, Clay, Colloids
LabResults	Analyte	% Solids
LabResults	Analyte	(3-and/or 4-)Methylphenol
LabResults	Analyte	.alpha.-Endosulfan
LabResults	Analyte	.beta.-Endosulfan
LabResults	Analyte	.delta.-Hexachlorocyclohexane
LabResults	Analyte	0.001 mm
LabResults	Analyte	0.0015 mm
LabResults	Analyte	0.002 mm
LabResults	Analyte	0.005 mm
LabResults	Analyte	0.02 mm
LabResults	Analyte	0.030 mm
LabResults	Analyte	0.05 mm
LabResults	Analyte	0.064 mm
LabResults	Analyte	0.075 mm
LabResults	Analyte	0.15 mm
LabResults	Analyte	0.3 mm
LabResults	Analyte	0.375 Inch Sieve
LabResults	Analyte	0.6 mm
LabResults	Analyte	0.75 Inch Sieve
LabResults	Analyte	1,1,1,2-Tetrachloroethane
LabResults	Analyte	1,1,1-Trichloroethane

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	1,1,2,2-Tetrachloroethane
LabResults	Analyte	1,1,2-Trichloro-1,2,2-Trifluoroethane
LabResults	Analyte	1,1,2-Trichloroethane
LabResults	Analyte	1,1,2-trimethylcyclohexane
LabResults	Analyte	1,1,3-Trimethoxypropane
LabResults	Analyte	1,1,4-trimethylcyclohexane
LabResults	Analyte	1,1-Dichloroethane
LabResults	Analyte	1,1-Dichloroethylene
LabResults	Analyte	1,1-DICHLOROPROPANONE
LabResults	Analyte	1,1-Dichloropropene
LabResults	Analyte	1,2,3,4-Tetramethylbenzene
LabResults	Analyte	1,2,3-Trichlorobenzene
LabResults	Analyte	1,2,3-Trichloropropane
LabResults	Analyte	1,2,3-Trimethylbenzene
LabResults	Analyte	1,2,4,5-Tetrachlorobenzene
LabResults	Analyte	1,2,4,5-Tetramethylbenzene
LabResults	Analyte	1,2,4-Trichlorobenzene
LabResults	Analyte	1,2,4-Trimethylbenzene
LabResults	Analyte	1,2,5-HEXATRIENE
LabResults	Analyte	1,2-Cyclohexanedione
LabResults	Analyte	1,2-Dibromo-3-Chloropropane
LabResults	Analyte	1,2-DIBROMOETHANE
LabResults	Analyte	1,2-Dichloroethane
LabResults	Analyte	1,2-Dichloroethane-d4
LabResults	Analyte	1,2-DICHLOROETHENE
LabResults	Analyte	1,2-Dichloropropane
LabResults	Analyte	1,2-Dimethyl-4-ethylbenzene
LabResults	Analyte	1,2-Dimethylnaphthalene
LabResults	Analyte	1,2-Diphenylhydrazine
LabResults	Analyte	1,2-Pentadiene
LabResults	Analyte	1,3,5,7-Tetraethylcyclo
LabResults	Analyte	1,3,5-Trimethylbenzene
LabResults	Analyte	1,3,8-p-Menthatriene
LabResults	Analyte	1,3-Butadiene
LabResults	Analyte	1,3-Dichloropropane
LabResults	Analyte	1,3-Dimethyl-4-ethylbenzene
LabResults	Analyte	1,3-Dimethyl-5-Ethylbenzene
LabResults	Analyte	1,3-DIOXOLANE, 4-METHYL-
LabResults	Analyte	1,3-Hexadien-5-yne
LabResults	Analyte	1,3-Pentadiene
LabResults	Analyte	1,4-Cyclohexadiene, 3-e
LabResults	Analyte	1,4-Cyclooctadiene
LabResults	Analyte	1,4-Dichlorobenzene-d4
LabResults	Analyte	1,4-Difluorobenzene
LabResults	Analyte	1,4-Dioxane
LabResults	Analyte	1,4-DIOXIN, 2,3-DIHYDRO-
LabResults	Analyte	1,4-PENTADIENE, 3,3-DIMETHYL-

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	1,5-Cyclooctadiene, 1,5-dimethyl-
LabResults	Analyte	1,6,7-Trimethylnaphthalene
LabResults	Analyte	1,6-Dimethylnaphthalene
LabResults	Analyte	1,CIS-3-DIMETHYLCYCLOHEXANE
LabResults	Analyte	1,TRANS-2-DIMETHYLCYCLOPENTANE
LabResults	Analyte	1.18 mm
LabResults	Analyte	1.5 Inch Sieve
LabResults	Analyte	15a-methyl-17a(H)-27-Norhopane
LabResults	Analyte	17A(H)-DIAHOPANE
LabResults	Analyte	19 mm
LabResults	Analyte	1-Butanol
LabResults	Analyte	1-Butanol, 2-methyl-, a
LabResults	Analyte	1-Butanol, 3-methyl-, acetate
LabResults	Analyte	1-Butene
LabResults	Analyte	1-Butene, 2-ethyl-3-methyl-
LabResults	Analyte	1-CHLOROBUTANE
LabResults	Analyte	1-DECANOL
LabResults	Analyte	1-Decene
LabResults	Analyte	1-Dodecene
LabResults	Analyte	1-ETHYL-3-METHYLCYCLOHEXANE (C,T)
LabResults	Analyte	1H-Cyclopenta(c)thiophene, hexahydro-, c
LabResults	Analyte	1-Heptene
LabResults	Analyte	1-Hexadecanol
LabResults	Analyte	1-Hexene
LabResults	Analyte	1-Hexene, 3,4-dimethyl-
LabResults	Analyte	1H-Indene, 1-ethylidene-
LabResults	Analyte	1H-Indene, 2,3-dihydro-1,2-dimethyl-
LabResults	Analyte	1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl
LabResults	Analyte	1H-Indole, 1-methyl-2-p
LabResults	Analyte	1H-Indole, 5-methyl-2-p
LabResults	Analyte	1H-PYRROLE, 1-ETHYL-
LabResults	Analyte	1H-Tetrazole, 5-methyl-
LabResults	Analyte	1-Methyl-2-propylbenzene
LabResults	Analyte	1-Methyl-3-propylbenzene
LabResults	Analyte	1-Methylfluorene
LabResults	Analyte	1-Methylindene
LabResults	Analyte	1-Methylnaphthalene
LabResults	Analyte	1-Methylphenanthrene
LabResults	Analyte	1-Methylpyrene
LabResults	Analyte	1-Naphthalenepropanol, .alpha.-ethenyldecahydr
LabResults	Analyte	1-NITROPYRENE
LabResults	Analyte	1-Nonene
LabResults	Analyte	1-Octene
LabResults	Analyte	1-Octyn-3-ol, 4-ethyl-
LabResults	Analyte	1-Pentadecanol
LabResults	Analyte	1-Pentene
LabResults	Analyte	1-Pentene, 2,4,4-trimeth

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	1-PIPERAZINEPROPANENITRILE
LabResults	Analyte	1-Propanol
LabResults	Analyte	1-Tridecene
LabResults	Analyte	1-Undecanol
LabResults	Analyte	1-Undecene
LabResults	Analyte	2,2,3-Trimethylpentane
LabResults	Analyte	2,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-metha
LabResults	Analyte	2,2,4-Trimethylpentane
LabResults	Analyte	2,2-Dichloropropane
LabResults	Analyte	2,2-Dimethyl-1-oxa-2-silacyclohexa-3,5-diene
LabResults	Analyte	2,2-Dimethylbutane
LabResults	Analyte	2,2-dimethylheptane
LabResults	Analyte	2,2-Dimethyloctane
LabResults	Analyte	2,3,4,5-Tetrachlorophenol
LabResults	Analyte	2,3,4,6-Tetrachlorophenol
LabResults	Analyte	2,3,4-Trimethylpentane
LabResults	Analyte	2,3,5,6-Tetrachlorophenol
LabResults	Analyte	2,3,6-Trimethylnaphthalene
LabResults	Analyte	2,2-dimethylpentane
LabResults	Analyte	2,3-Dihydro-1-methylindene
LabResults	Analyte	2,3-DIMETHYL-AZIRIDINE
LabResults	Analyte	2,3-Dimethylbutane
LabResults	Analyte	2,3-Dimethylpentane
LabResults	Analyte	2,3-dimethylhexane
LabResults	Analyte	2,3-dimethyloctane
LabResults	Analyte	2,4 and 2,5-Dichlorophenol
LabResults	Analyte	2,4,4-Trimethylbut-2-enolide
LabResults	Analyte	2,4,5-T
LabResults	Analyte	2,4,5-TP (Silvex)
LabResults	Analyte	2,4,5-Trichlorophenol
LabResults	Analyte	2,4,6-Tribromophenol
LabResults	Analyte	2,4,6-Trichlorophenol
LabResults	Analyte	2,4-D
LabResults	Analyte	2,4-DB
LabResults	Analyte	2,4-Dichlorophenol
LabResults	Analyte	2,4-Dimethyl-1-heptene
LabResults	Analyte	2,4-Dimethylpentane
LabResults	Analyte	2,4-Dimethylphenol
LabResults	Analyte	2,4-Dinitrophenol
LabResults	Analyte	2,4-Dinitrotoluene
LabResults	Analyte	2,5-Dibromotoluene
LabResults	Analyte	2,5-Dimethylhexane
LabResults	Analyte	2,6-Dimethylnaphthalene
LabResults	Analyte	2,6-Dinitrotoluene
LabResults	Analyte	2.00 mm
LabResults	Analyte	2.36 mm
LabResults	Analyte	2-Butanone, 1,1,1-trifluoro-

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	2-Butenal
LabResults	Analyte	2-butoxyethanol
LabResults	Analyte	2-Butyloctanol
LabResults	Analyte	2-Chloroethyl vinyl ether
LabResults	Analyte	2-Chloronaphthalene
LabResults	Analyte	2-DODECENE, (E)-
LabResults	Analyte	2-Ethylhexanal
LabResults	Analyte	2-Ethylhexanol
LabResults	Analyte	2-Ethylhexyl glycidyl ether
LabResults	Analyte	2-Ethyl-m-xylene
LabResults	Analyte	2-Ethylnaphthalene
LabResults	Analyte	2-Ethyl-p-xylene
LabResults	Analyte	2-Ethylthiophene
LabResults	Analyte	2-Fluorophenol
LabResults	Analyte	2-Heptanone
LabResults	Analyte	2-Heptanone, 6-methyl-
LabResults	Analyte	2-HEPTEN-1-OL, (E)-
LabResults	Analyte	2-HEPTENE
LabResults	Analyte	2-HEXANONE
LabResults	Analyte	2-Hexyne
LabResults	Analyte	2-Hydroxy-3,5,6-trichloropyridine
LabResults	Analyte	2-Methyl-1-butene
LabResults	Analyte	2-Methyl-1-pentene
LabResults	Analyte	2-Methyl-2-butene
LabResults	Analyte	2-Methyl-1-Hexene
LabResults	Analyte	2-Methylanthracene
LabResults	Analyte	2-Methylbutane
LabResults	Analyte	2-Methylheptane
LabResults	Analyte	2-Methylhexane
LabResults	Analyte	2-Methylnaphthalene
LabResults	Analyte	2-Methylnaphthalene-d10
LabResults	Analyte	2-Methylpentane
LabResults	Analyte	2-Methylpentene-2
LabResults	Analyte	2-METHYLPHENOL
LabResults	Analyte	2-Methylpyridine
LabResults	Analyte	2-Methylthiophene
LabResults	Analyte	2-Naphthalenamine
LabResults	Analyte	2-NITROPROPANE
LabResults	Analyte	2-NONEN-1-OL, (E)-
LabResults	Analyte	2-Octanone
LabResults	Analyte	2-OCTENE, (E)-
LabResults	Analyte	2-OCTENE, (Z)-
LabResults	Analyte	2-Oxazolidinone, 3-methy
LabResults	Analyte	2-palmitoleic acid
LabResults	Analyte	2-Pentanol, acetate
LabResults	Analyte	2-Pentanone
LabResults	Analyte	2-PROPEN-1-OL, 2-METHYL-

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	2-PROPENAL, 2-METHYL-
LabResults	Analyte	2-PROPENOIC ACID, 2-ETHYLHEXYL ESTER
LabResults	Analyte	2-Propenoic acid, 2-methyl-, 2-hydroxypr
LabResults	Analyte	2-PROPENOIC ACID, 6-METHYLHEPTYL ESTER
LabResults	Analyte	2-Propyl-1-pentanol
LabResults	Analyte	2-Undecenal
LabResults	Analyte	2-Undecene, 3-methyl-, (E)-
LabResults	Analyte	3 and/or 4-Chlorophenol
LabResults	Analyte	3 Inch Sieve
LabResults	Analyte	3,3,5,5-TETRAMETHYLCYCLOPENTENE
LabResults	Analyte	3,3'-Dichlorobenzidine
LabResults	Analyte	3,3-Diethylpentane
LabResults	Analyte	3,3-dimethyloctane
LabResults	Analyte	3,4-Dihydroxybenzyl alcohol,tris(trimeth
LabResults	Analyte	3,4-Dimethylcyclopentan
LabResults	Analyte	3,5-Dimethyl-1-hexene
LabResults	Analyte	3,5-DIMETHYLCYCLOPENTENE
LabResults	Analyte	3.35 mm
LabResults	Analyte	37.5 mm
LabResults	Analyte	3-BUTEN-2-ONE
LabResults	Analyte	3-Butenoic acid, ethyl ester
LabResults	Analyte	3-Cyclohexen-1-ol
LabResults	Analyte	3-Dodecene, (Z)-
LabResults	Analyte	3-Ethoxy-1,1,1,5,5,5-hexamethyl-3-(trimethylsiloxy)trisiloxa
LabResults	Analyte	3-Ethylhexane
LabResults	Analyte	3-Heptanone
LabResults	Analyte	3-Hydroxymandelic acid, ethyl ester, di-TM
LabResults	Analyte	3-Methyl-1-butene
LabResults	Analyte	3-Methylenepentane
LabResults	Analyte	3-Methylheptane
LabResults	Analyte	3-Methylheptyl acetate
LabResults	Analyte	3-Methylhexane
LabResults	Analyte	3-Methylpentane
LabResults	Analyte	3-Methylpyridine
LabResults	Analyte	3-Methylthiophene
LabResults	Analyte	3-PYRIDINEMETHANOL, 4,5-DIHYDROXY-
LabResults	Analyte	3-Undecene, 6-methyl-,
LabResults	Analyte	4-(METHYLTHIO)BENZONITRILE
LabResults	Analyte	4,6-Dinitro-o-cresol
LabResults	Analyte	4,7-METHANO-1H-INDENE, OCTAHYDRO-
LabResults	Analyte	4.75 mm
LabResults	Analyte	4'-Chloro-6-methoxyaurone
LabResults	Analyte	4-DECENE, 3-METHYL-, (E)-
LabResults	Analyte	4H-Cyclopenta(def)phenanthrene
LabResults	Analyte	4-Hexen-2-one, 3,4-dime
LabResults	Analyte	4-Hydroxymandelic acid, ethyl ester, di-
LabResults	Analyte	4-Methyl-1-pentene

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	4-methylheptane
LabResults	Analyte	4-methylphenol
LabResults	Analyte	4-Nitro-4'-chlorodiphenylsulphoxide
LabResults	Analyte	4-OCTENE, (E)-
LabResults	Analyte	4-Pentynoic acid
LabResults	Analyte	4-PYRIMIDINAMINE, 5-METHYL-2-(METHYL)-
LabResults	Analyte	4-UNDECENE, 6-METHYL-
LabResults	Analyte	4-Vinylcyclohexene
LabResults	Analyte	5-Tetradecene, (E)-
LabResults	Analyte	5-UNDECENE, (E)-
LabResults	Analyte	5-Undecene, 9-methyl-, (Z)-
LabResults	Analyte	6-Methyl-5-hepten-2-one
LabResults	Analyte	75 mm
LabResults	Analyte	7a,9c-(Iminoethano)phen
LabResults	Analyte	7-Tetradecene
LabResults	Analyte	9-Fluorenone
LabResults	Analyte	a,a,a-Trifluorotoluene
LabResults	Analyte	A1-C20-TAS
LabResults	Analyte	A2-C21-TAS
LabResults	Analyte	A3-C26 TAS(20S)
LabResults	Analyte	A4-C26/C27-TAS
LabResults	Analyte	A5-C27-TAS(20R)
LabResults	Analyte	A6-TAS(20S)
LabResults	Analyte	A7-TAS(20R)
LabResults	Analyte	Acenaphthene
LabResults	Analyte	Acenaphthylene
LabResults	Analyte	Acenaphthylene-d8
LabResults	Analyte	ACETALDEHYDE
LabResults	Analyte	Acetaldehyde, hydroxy-
LabResults	Analyte	Acetic acid, 2-ethylhexyl ester
LabResults	Analyte	Acetic acid, dichloro-, ethyl ester
LabResults	Analyte	Acetic acid, trichloro-, ethyl ester
LabResults	Analyte	Acetone
LabResults	Analyte	Acetonitrile
LabResults	Analyte	Acetophenone
LabResults	Analyte	Acetylacetone
LabResults	Analyte	Acetylene
LabResults	Analyte	Acrolein
LabResults	Analyte	Acrylonitrile
LabResults	Analyte	Aldrin
LabResults	Analyte	ALIPHATIC HYDROCARBONS (>C10-C12)
LabResults	Analyte	ALIPHATIC HYDROCARBONS (>C12-C16)
LabResults	Analyte	ALIPHATIC HYDROCARBONS (>C16-C35)
LabResults	Analyte	ALIPHATIC HYDROCARBONS (>C5-C6)
LabResults	Analyte	ALIPHATIC HYDROCARBONS (>C6-C8)
LabResults	Analyte	ALIPHATIC HYDROCARBONS (>C8-C10)
LabResults	Analyte	Alkalinity

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	ALKANES, TOTAL
LabResults	Analyte	Allyl Chloride
LabResults	Analyte	Allylamine
LabResults	Analyte	alpha-BHC
LabResults	Analyte	alpha-Methylstyrene
LabResults	Analyte	Aluminum
LabResults	Analyte	Americamysis bahia
LabResults	Analyte	Ammonia as N
LabResults	Analyte	Aniline
LabResults	Analyte	Anthracene
LabResults	Analyte	Anthracene-d10
LabResults	Analyte	Anthraquinone
LabResults	Analyte	Antimony
LabResults	Analyte	API GRAVITY @ 60 F
LabResults	Analyte	a-Pinene
LabResults	Analyte	AROMATIC HYDROCARBONS (>C10-C12)
LabResults	Analyte	AROMATIC HYDROCARBONS (>C12-C16)
LabResults	Analyte	AROMATIC HYDROCARBONS (>C16-C21)
LabResults	Analyte	AROMATIC HYDROCARBONS (>C21-C35)
LabResults	Analyte	AROMATIC HYDROCARBONS (>C5-C7)
LabResults	Analyte	AROMATIC HYDROCARBONS (>C7-C8)
LabResults	Analyte	AROMATIC HYDROCARBONS (>C8-C10)
LabResults	Analyte	AROMATICS, TOTAL
LabResults	Analyte	Arsenic
LabResults	Analyte	Arsenous acid, tris(trimethylsilyl) este
LabResults	Analyte	Atrazine
LabResults	Analyte	Azobenzene
LabResults	Analyte	Barium
LabResults	Analyte	Barometric pressure
LabResults	Analyte	Benz(a)anthracene
LabResults	Analyte	Benzaldehyde
LabResults	Analyte	Benzaldehyde, 2,4-bis(t
LabResults	Analyte	Benzaldehyde, 2,5-bis((trimethylsilyl)ox
LabResults	Analyte	BENZALDEHYDE, 4-CHLORO-, OXIME
LabResults	Analyte	BENZENAMINE, 2,4-DIMETHYL-
LabResults	Analyte	Benzene
LabResults	Analyte	Benzene, (1-methyl-1-pr
LabResults	Analyte	Benzene, (1-methyl-2-cyclopropen-1-yl)-
LabResults	Analyte	Benzene, (2-methyl-1-propenyl
LabResults	Analyte	BENZENE, (FLUOROMETHYL)-
LabResults	Analyte	Benzene, 1,2,3,5-tetramethyl-
LabResults	Analyte	BENZENE, 1,2-DIETHYL-
LabResults	Analyte	Benzene, 1,3,5-triethyl-
LabResults	Analyte	Benzene, 1-bromo-2-fluoro-
LabResults	Analyte	Benzene, 1-bromo-3-fluoro-
LabResults	Analyte	BENZENE, 1-CHLORO-3-(TRIFLUOROMETHYL)-
LabResults	Analyte	BENZENE, 1-CHLORO-4-(TRIFLUOROMETHYL)-

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Benzene, 1-ethyl-2,3-di
LabResults	Analyte	Benzene, 1-ethyl-3-(1-methylethyl)-
LabResults	Analyte	Benzene, 1-methyl-2-(2-
LabResults	Analyte	BENZENE, 1-METHYL-4-(2-PROPENYL)-
LabResults	Analyte	BENZENE, 1-METHYL-4-PROPYL-
LabResults	Analyte	Benzene, 2-ethenyl-1,4-dimethyl-
LabResults	Analyte	Benzene, 4-ethenyl-1,2-dimethyl-
LabResults	Analyte	Benzene, diethylmethyl-
LabResults	Analyte	Benzene, pentamethyl-
LabResults	Analyte	Benzeneacetaldehyde, .a
LabResults	Analyte	Benzeneacetaldehyde, .alpha.-oxo-, aldeh
LabResults	Analyte	Benzenedicarboxylic acid, dihexyl ester (TIC)
LabResults	Analyte	Benzeneethanamine, N-((pentafluorophenyl
LabResults	Analyte	Benzidine
LabResults	Analyte	Benzo(a)pyrene
LabResults	Analyte	Benzo(a)pyrene-d12
LabResults	Analyte	Benzo(b)fluoranthene
LabResults	Analyte	Benzo(b)thiophene
LabResults	Analyte	Benzo(e)pyrene
LabResults	Analyte	Benzo(g,h,i)perylene
LabResults	Analyte	Benzo(k)fluoranthene
LabResults	Analyte	Benzocycloheptatriene
LabResults	Analyte	Benzoic Acid
LabResults	Analyte	Benzoic acid, 2-((trimethylsilyl)oxy)-,
LabResults	Analyte	BENZONITRILE, 4-METHOXY-
LabResults	Analyte	Benzyl Alcohol
LabResults	Analyte	Beryllium
LabResults	Analyte	beta-BHC
LabResults	Analyte	Bicyclo(2.2.1)hept-2-en
LabResults	Analyte	Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet
LabResults	Analyte	Bicyclo(3.1.1)hept-2-ene, 3,6,6-trimethyl
LabResults	Analyte	Bicyclo(3.1.1)heptane, 6,6-dimethyl-2-me
LabResults	Analyte	Bicyclo(4.1.0)heptane, 7-methylene-
LabResults	Analyte	Biochemical Oxygen Demand
LabResults	Analyte	Biphenyl
LabResults	Analyte	Bis(2-chloroethoxy)methane
LabResults	Analyte	Bis(2-Chloroethyl)ether
LabResults	Analyte	Bis(2-Chloroisopropyl)ether
LabResults	Analyte	Bis(2-Ethylhexyl)phthalate
LabResults	Analyte	BOD, 5 DAY
LabResults	Analyte	Boron
LabResults	Analyte	b-pinene
LabResults	Analyte	Bromide
LabResults	Analyte	Bromobenzene
LabResults	Analyte	Bromochlorobenzene
LabResults	Analyte	Bromoethane
LabResults	Analyte	BUTANAL

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-
LabResults	Analyte	BUTANE
LabResults	Analyte	BUTANE, 1,1,1,2,3,3,4,4,4-NONAFLUOR
LabResults	Analyte	BUTANE, 1-BROMO-
LabResults	Analyte	BUTANE, 2,2,3,3-TETRAMETHYL-
LabResults	Analyte	Butane, 2-iodo-2-methyl-
LabResults	Analyte	Butanoic acid, 3-methylbutyl ester
LabResults	Analyte	Butyl benzyl phthalate
LabResults	Analyte	Butyl butyrate
LabResults	Analyte	Butyl ether
LabResults	Analyte	Butylbenzenesulfonamide
LabResults	Analyte	Butylcyclohexane
LabResults	Analyte	C10H22 isomer
LabResults	Analyte	C11H24 isomer
LabResults	Analyte	C1-BENZANTHRENE/CHRYSENES
LabResults	Analyte	C1-DIBENZOTHIOPHENES
LabResults	Analyte	C1-FLUORANTHENES/PYRENES
LabResults	Analyte	C1-NAPHTHOBENZOTHIOPHENE
LabResults	Analyte	C1-PHENANTHRENES
LabResults	Analyte	C1-Phenanthrenes/Anthracenes
LabResults	Analyte	C1-PYRENES
LabResults	Analyte	C20-C34 Motor Oil (MRO)
LabResults	Analyte	C28-C40
LabResults	Analyte	C2-BENZANTHRENE/CHRYSENES
LabResults	Analyte	C2-Chrysenes
LabResults	Analyte	C2-DIBENZOTHIOPHENES
LabResults	Analyte	C2-Fluoranthenes/Pyrenes
LabResults	Analyte	C2-Fluorenes
LabResults	Analyte	C2-NAPHTHALENES
LabResults	Analyte	C2-NAPHTHOBENZOTHIOPHENE
LabResults	Analyte	C2-PHENANTHRENES
LabResults	Analyte	C2-PHENANTHRENES/ANTHRACENES
LabResults	Analyte	C2-PYRENES
LabResults	Analyte	C3-BENZANTHRENE/CHRYSENES
LabResults	Analyte	C3-Chrysenes
LabResults	Analyte	C3-DIBENZOTHIOPHENES
LabResults	Analyte	C3-Fluoranthenes/Pyrenes
LabResults	Analyte	C3-Fluorenes
LabResults	Analyte	C3-Naphthalenes
LabResults	Analyte	C3-NAPHTHOBENZOTHIOPHENES
LabResults	Analyte	C3-PHENANTHRENES
LabResults	Analyte	C3-PHENANTHRENES/ANTHRACENES
LabResults	Analyte	C3-PYRENES
LabResults	Analyte	C4-BENZANTHRENE/CHRYSENES
LabResults	Analyte	C4-Chrysenes
LabResults	Analyte	C4-Dibenzothiophenes
LabResults	Analyte	C4-Fluoranthenes/pyrenes

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	C4-Naphthalenes
LabResults	Analyte	C4-PHENANTHRENES
LabResults	Analyte	C4-PHENANTHRENES/ANTHRACENES
LabResults	Analyte	C4-PYRENES
LabResults	Analyte	C6-C10
LabResults	Analyte	Cadmium
LabResults	Analyte	Calcium
LabResults	Analyte	Camphene
LabResults	Analyte	Caprolactam
LabResults	Analyte	Carbazole
LabResults	Analyte	Carbon dioxide
LabResults	Analyte	Carbon Disulfide
LabResults	Analyte	Carbon Tetrachloride
LabResults	Analyte	Carbonic acid, dimethyl ester
LabResults	Analyte	Carbonic acid, dipropyl
LabResults	Analyte	CARBONYL SULFIDE
LabResults	Analyte	CFC-11
LabResults	Analyte	CFC-114
LabResults	Analyte	CFC-12
LabResults	Analyte	Chemical Oxygen Demand
LabResults	Analyte	Chlordane
LabResults	Analyte	CHLOROACETONITRILE
LabResults	Analyte	Chlorobenzene
LabResults	Analyte	Chlorodibromomethane
LabResults	Analyte	Chloroethane
LabResults	Analyte	Chloroform
LabResults	Analyte	Chloromethane
LabResults	Analyte	Chloromethylbenzene
LabResults	Analyte	Chloroprene
LabResults	Analyte	Chlorpyrifos
LabResults	Analyte	Cholestane
LabResults	Analyte	Chromium
LabResults	Analyte	Chrysene
LabResults	Analyte	cis-1,2-Dichloroethene
LabResults	Analyte	cis-1,3-Dichloropropene
LabResults	Analyte	CIS-1-ETHYL-3-METHYL-CYCLOHEXANE
LabResults	Analyte	cis-2-Butene
LabResults	Analyte	cis-2-Heptene
LabResults	Analyte	cis-2-Hexene
LabResults	Analyte	cis-2-Nonene
LabResults	Analyte	cis-2-Pentene
LabResults	Analyte	cis-3-Heptene
LabResults	Analyte	cis-3-Nonene
LabResults	Analyte	Cis-5-Methyl-2-Hexene
LabResults	Analyte	cis-Chlordane
LabResults	Analyte	Clay
LabResults	Analyte	Clay_Control

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Cobalt
LabResults	Analyte	COLIFORM, FECAL
LabResults	Analyte	COLIFORM, TOTAL
LabResults	Analyte	Color (True)
LabResults	Analyte	Conductivity (umhos/cm)
LabResults	Analyte	Copper
LabResults	Analyte	Coronene
LabResults	Analyte	Coumaphos
LabResults	Analyte	Crassostrea gigas
LabResults	Analyte	Cresol
LabResults	Analyte	ctc-1,2,3-Trimethylcyclopentane
LabResults	Analyte	ctc-1,2,4-Trimethylcyclohexane
LabResults	Analyte	ctt-1,2,4-Trimethylcyclohexane
LabResults	Analyte	ctt-1,2,4-Trimethylcyclopentane
LabResults	Analyte	Cumene
LabResults	Analyte	Cyclobutane, ethyl-
LabResults	Analyte	Cycloheptanol
LabResults	Analyte	Cyclohexane
LabResults	Analyte	Cyclohexane, 1,1'-(1,3-propanediyl)bis-
LabResults	Analyte	Cyclohexane, 1,1'-(1,4-butanediyl)bis-
LabResults	Analyte	Cyclohexane, 1,1,3-trimethyl-
LabResults	Analyte	Cyclohexane, 1,2,4-trimethyl-
LabResults	Analyte	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.
LabResults	Analyte	Cyclohexane, 1,2-dimethyl-, cis-
LabResults	Analyte	Cyclohexane, 1,2-dimethyl- (cis/trans)
LabResults	Analyte	Cyclohexane, 1,2-dimethyl-, trans-
LabResults	Analyte	Cyclohexane, 1,3,5-trimethyl-
LabResults	Analyte	CYCLOHEXANE, 1,3-DIMETHYL-
LabResults	Analyte	Cyclohexane, 1,4-dimethyl-
LabResults	Analyte	Cyclohexane, 1,4-dimethyl-, cis-
LabResults	Analyte	Cyclohexane, 1-ethyl-2-methyl-
LabResults	Analyte	Cyclohexane, 1-ethyl-2-methyl-, trans-
LabResults	Analyte	CYCLOHEXANE, 1-ETHYL-4-METHYL-, CIS
LabResults	Analyte	Cyclohexane, 1-ethyl-4-methyl-, trans-
LabResults	Analyte	Cyclohexane, 1-methyl-2-propyl-
LabResults	Analyte	Cyclohexane, 1-methyl-4
LabResults	Analyte	Cyclohexane, (1-methylethyl)-
LabResults	Analyte	CYCLOHEXANE, 2-BUTYL-1,1,3-TRIMETHYL-
LabResults	Analyte	Cyclohexane, pentyl-
LabResults	Analyte	CYCLOHEXANE, PROPYL-
LabResults	Analyte	CYCLOHEXANOL
LabResults	Analyte	Cyclohexanol, 1-ethynyl-
LabResults	Analyte	CYCLOHEXANONE
LabResults	Analyte	Cyclohexene, 1-methyl-4
LabResults	Analyte	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (.+/-.)-
LabResults	Analyte	Cyclohexene, 1-methyl-4-(1-methylethylidene)-
LabResults	Analyte	Cyclohexene, 1-methyl-5

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Cyclooctane, 1,5-dimeth
LabResults	Analyte	Cyclooctane, methyl-
LabResults	Analyte	Cyclopenta(cd)pyrene
LabResults	Analyte	Cyclopentane
LabResults	Analyte	Cyclopentane, 1,2,3-trimethyl-, (1.alpha
LabResults	Analyte	Cyclopentane, 1,2,4-trimethyl-, (1.alpha
LabResults	Analyte	Cyclopentane, 1,3-dimethoxy-, trans-
LabResults	Analyte	Cyclopentane, 1,3-dimethyl-
LabResults	Analyte	CYCLOPENTANE, 1,3-DIMETHYL-, CIS-
LabResults	Analyte	CYCLOPENTANE, 1,3-DIMETHYL-, TRANS-
LabResults	Analyte	Cyclopentane, decyl-
LabResults	Analyte	Cyclopentane, pentyl-
LabResults	Analyte	Cyclopentanone
LabResults	Analyte	Cyclopentanone, 2-ethyl-
LabResults	Analyte	Cyclopentene
LabResults	Analyte	CYCLOPENTENE, 1,5-DIMETHYL-
LabResults	Analyte	CYCLOPENTYLETHYNE
LabResults	Analyte	Cyclopropane, 1,1,2-trimethyl-
LabResults	Analyte	Cyclopropane, 1,2-dimeth
LabResults	Analyte	Cyclopropane, 1,2-dimethyl-, cis-
LabResults	Analyte	CYCLOPROPANECARBOXYLIC ACID
LabResults	Analyte	D1-Diasterane-27(S)
LabResults	Analyte	D2-DIASTERANE-27(R)
LabResults	Analyte	D3a-Diasterane-28(S)
LabResults	Analyte	D3-Diasterane-28(S)
LabResults	Analyte	D4a-Diasterane-28(R)
LabResults	Analyte	D4-Diasterane-28(R)
LabResults	Analyte	D5-Diasterane-29(S)
LabResults	Analyte	D6-Diasterane-29(R)
LabResults	Analyte	Dalapon
LabResults	Analyte	Decachlorobiphenyl
LabResults	Analyte	Decahydronaphthalene
LabResults	Analyte	Decamethylcyclopentasiloxane
LabResults	Analyte	DECANAL
LabResults	Analyte	decane
LabResults	Analyte	Decane, 1,1'-oxybis-
LabResults	Analyte	DECANE, 2,2,3-TRIMETHYL-
LabResults	Analyte	DECANE, 2,2,4-TRIMETHYL-
LabResults	Analyte	DECANE, 2,2,5-TRIMETHYL-
LabResults	Analyte	Decane, 2,2,6-trimethyl-
LabResults	Analyte	DECANE, 2,2,8-TRIMETHYL-
LabResults	Analyte	DECANE, 2,2,9-TRIMETHYL-
LabResults	Analyte	DECANE, 2,5,6-TRIMETHYL-
LabResults	Analyte	DECANE, 2,5-DIMETHYL-
LabResults	Analyte	DECANE, 2,6,7-TRIMETHYL-
LabResults	Analyte	DECANE, 2-METHYL-
LabResults	Analyte	Decane, 3,3,4-trimethyl-

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Decane, 3-methyl-
LabResults	Analyte	Demeton
LabResults	Analyte	Density
LabResults	Analyte	Di(2-ethylhexyl) sodium sulfosuccinate
LabResults	Analyte	DI(Propylene Glycol)ButylEther
LabResults	Analyte	Diazinon
LabResults	Analyte	Dibenz(a,h)anthracene
LabResults	Analyte	Dibenzofuran
LabResults	Analyte	Dibenzothiophene
LabResults	Analyte	Dibromofluoromethane
LabResults	Analyte	Dibromomethane
LabResults	Analyte	Dicamba
LabResults	Analyte	Dichlorobromomethane
LabResults	Analyte	Dichloroprop
LabResults	Analyte	Dichlorvos
LabResults	Analyte	Dieldrin
LabResults	Analyte	DIESEL RANGE ORGANICS
LabResults	Analyte	DIESEL RANGE ORGANICS (C10-C28)
LabResults	Analyte	DIETHYL ETHER
LabResults	Analyte	Diethyl phthalate
LabResults	Analyte	Diisopropyl Ether
LabResults	Analyte	Dimethoate
LabResults	Analyte	Dimethyl bromide
LabResults	Analyte	Dimethyl phthalate
LabResults	Analyte	Dimethyl sulfide
LabResults	Analyte	DIMETHYL SULFONE
LabResults	Analyte	Dimethylcyclohexane
LabResults	Analyte	Dimethyldecane (TIC)
LabResults	Analyte	Dimethylheptane
LabResults	Analyte	Dimethyloctane (TIC)
LabResults	Analyte	Dimethylundecane (TIC)
LabResults	Analyte	Di-n-butylphthalate
LabResults	Analyte	Di-n-octylphthalate
LabResults	Analyte	Dinoseb
LabResults	Analyte	Diphenylsulfone
LabResults	Analyte	Disperant Marker Total
LabResults	Analyte	Dispersant Marker 1
LabResults	Analyte	Dispersant Marker 2
LabResults	Analyte	Dispersibility
LabResults	Analyte	Dissolved Oxygen
LabResults	Analyte	Disulfide, ethyl 1-methylethyl
LabResults	Analyte	Disulfoton
LabResults	Analyte	D-Limonene
LabResults	Analyte	Docosane
LabResults	Analyte	Dodecane
LabResults	Analyte	Dodecane, 1-fluoro-
LabResults	Analyte	Dodecane, 2,5-dimethyl-

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Dodecane, 2,6,10-trimethyl-
LabResults	Analyte	Dodecane, 2,6,11-trimet
LabResults	Analyte	Dodecane, 2,7,10-trimethyl-
LabResults	Analyte	Dodecane, 5-methyl-
LabResults	Analyte	DODECANE, 6-METHYL-
LabResults	Analyte	Dotriacontane
LabResults	Analyte	DPnB-Peak1
LabResults	Analyte	DPnB-Peak2
LabResults	Analyte	Eicosane
LabResults	Analyte	Endosulfan Sulfate
LabResults	Analyte	Endrin
LabResults	Analyte	Endrin aldehyde
LabResults	Analyte	Endrin ketone
LabResults	Analyte	ESCHERICHIA COLI
LabResults	Analyte	Ethane
LabResults	Analyte	ETHANE, 1,1-DIFLUORO-
LabResults	Analyte	Ethane, isocyano-
LabResults	Analyte	Ethanesulfonyl fluoride
LabResults	Analyte	Ethanol
LabResults	Analyte	Ethanone, 1-(3-methylphenyl)-
LabResults	Analyte	Ethoprop
LabResults	Analyte	Ethyl Acetate
LabResults	Analyte	Ethyl Acrylate
LabResults	Analyte	Ethyl amyl ketone
LabResults	Analyte	Ethyl hexanoate
LabResults	Analyte	ETHYL METHACRYLATE
LabResults	Analyte	Ethyl Parathion
LabResults	Analyte	Ethyl tert-butyl Ether
LabResults	Analyte	Ethylamine
LabResults	Analyte	Ethylbenzene
LabResults	Analyte	Ethylcyclohexane
LabResults	Analyte	Ethylene
LabResults	Analyte	Ethylene glycol monobutyl ether
LabResults	Analyte	Ethylene oxide
LabResults	Analyte	ETHYNE, CHLORO-
LabResults	Analyte	Eucalyptol
LabResults	Analyte	Fensulfothion
LabResults	Analyte	Fenthion
LabResults	Analyte	FLASHPOINT
LabResults	Analyte	Fluoranthene
LabResults	Analyte	Fluoranthene-d10
LabResults	Analyte	Fluorene
LabResults	Analyte	Fluorene-d10
LabResults	Analyte	Fluoride
LabResults	Analyte	FORMAMIDE, N,N-DIMETHYL-
LabResults	Analyte	FORMAMIDE, N-ETHYL-N-PHENYL-
LabResults	Analyte	Free Liquids

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Furan, 2,5-dihydro-
LabResults	Analyte	Furan, 2-pentyl-
LabResults	Analyte	gamma-BHC (Lindane)
LabResults	Analyte	Gasoline Range Organics
LabResults	Analyte	Glycidol
LabResults	Analyte	Glycolic acid
LabResults	Analyte	H2O
LabResults	Analyte	H2O_Control
LabResults	Analyte	Halon 1011
LabResults	Analyte	Hardness
LabResults	Analyte	HCFC-21
LabResults	Analyte	HCFC-22
LabResults	Analyte	Heneicosane
LabResults	Analyte	Hentriacontane
LabResults	Analyte	Heptachlor
LabResults	Analyte	Heptachlor epoxide
LabResults	Analyte	Heptacosane
LabResults	Analyte	Heptadecane
LabResults	Analyte	Heptanal
LabResults	Analyte	Heptane
LabResults	Analyte	HEPTANE, 1,1'-OXYBIS-
LabResults	Analyte	HEPTANE, 1-BROMO-
LabResults	Analyte	HEPTANE, 2,2,3,4,6,6-HEXAMETHYL-
LabResults	Analyte	HEPTANE, 2,2,4,6,6-PENTAMETHYL-
LabResults	Analyte	HEPTANE, 2,2,4-TRIMETHYL-
LabResults	Analyte	HEPTANE, 2,3-DIMETHYL-
LabResults	Analyte	HEPTANE, 2,4-DIMETHYL-
LabResults	Analyte	Heptane, 2,6-dimethyl-
LabResults	Analyte	HEPTANE, 3,3,5-TRIMETHYL-
LabResults	Analyte	HEPTANE, 3,3-DIMETHYL-
LabResults	Analyte	HEPTANE, 3-ETHYL-2-METHYL-
LabResults	Analyte	HEPTANE, 3-METHYLENE-
LabResults	Analyte	Heptane, 4-propyl-
LabResults	Analyte	HEPTANE, HEXADECAFLUORO-
LabResults	Analyte	Hexachlorobenzene
LabResults	Analyte	Hexachlorobutadiene
LabResults	Analyte	Hexachlorocyclopentadiene
LabResults	Analyte	Hexachloroethane
LabResults	Analyte	Hexacosane
LabResults	Analyte	Hexadecane
LabResults	Analyte	Hexadecane, 2,6,11,15-t
LabResults	Analyte	Hexadecenoic acid, methyl ester (TIC)
LabResults	Analyte	Hexaldehyde
LabResults	Analyte	Hexamethylcyclotrisiloxane
LabResults	Analyte	Hexane
LabResults	Analyte	HEXANE, 1-BROMO-
LabResults	Analyte	Hexane, 2,2,4-trimethyl

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Hexane, 2,2,5-trimethyl-
LabResults	Analyte	HEXANE, 2,2-DIMETHYL-
LabResults	Analyte	HEXANE, 2,4-DIMETHYL-
LabResults	Analyte	Hexanedioic acid, .alpha.-keto oxime, (trimethylsilyl)
LabResults	Analyte	Hexanoic acid, propyl e
LabResults	Analyte	HEXATRIACONTANE
LabResults	Analyte	Hydrogen ion
LabResults	Analyte	HYDROGEN SULFIDE
LabResults	Analyte	Hydroxylamine, O-decyl-
LabResults	Analyte	Indan, 1-methyl-
LabResults	Analyte	INDANE
LabResults	Analyte	Indene
LabResults	Analyte	Indeno(1,2,3-cd)pyrene
LabResults	Analyte	IODOMETHANE
LabResults	Analyte	Iron
LabResults	Analyte	Isobutane
LabResults	Analyte	Isobutanol
LabResults	Analyte	Isobutene
LabResults	Analyte	Isobutene/1-Butene
LabResults	Analyte	Isooctane
LabResults	Analyte	Isophorone
LabResults	Analyte	Isoprene
LabResults	Analyte	Isoprenoid RRT 1380
LabResults	Analyte	Isoprenoid RRT 1470
LabResults	Analyte	Isopropanol
LabResults	Analyte	Isopropylcyclopentane
LabResults	Analyte	Lead
LabResults	Analyte	Leptocheirus
LabResults	Analyte	Leptocheirus plumulosus
LabResults	Analyte	LIMONENE
LabResults	Analyte	Lithium
LabResults	Analyte	LP-SED Tox-Control (Leptocheirus plumulosus)
LabResults	Analyte	LP-SED Tox-Sample (Leptocheirus plumulosus)
LabResults	Analyte	m,p-Xylene
LabResults	Analyte	Magnesium
LabResults	Analyte	Malathion
LabResults	Analyte	Manganese
LabResults	Analyte	MB-SED Tox-Control (Mysidopsis bahia)
LabResults	Analyte	MB-SED Tox-Sample (Mysidopsis bahia)
LabResults	Analyte	MCPA
LabResults	Analyte	m-cymene
LabResults	Analyte	m-Dichlorobenzene
LabResults	Analyte	m-Diethylbenzene
LabResults	Analyte	ME-Acute Tox-Control (Menidia beryllina)
LabResults	Analyte	ME-Acute Tox-Sample (Menidia beryllina)
LabResults	Analyte	Mecoprop
LabResults	Analyte	Menidia beryllina

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Mercury
LabResults	Analyte	Merphos
LabResults	Analyte	Mesityl oxide
LabResults	Analyte	METHACRYLONITRILE
LabResults	Analyte	METHANE, ISOCYANO-
LabResults	Analyte	Methanol
LabResults	Analyte	Methoxychlor
LabResults	Analyte	Methyl Acetate
LabResults	Analyte	Methyl Azinphos (Guthion)
LabResults	Analyte	Methyl bromide
LabResults	Analyte	Methyl disulfide
LabResults	Analyte	Methyl ethyl disulphide
LabResults	Analyte	Methyl ethyl ketone
LabResults	Analyte	Methyl isoamyl ketone
LabResults	Analyte	Methyl isobutyl ketone
LabResults	Analyte	Methyl Methacrylate
LabResults	Analyte	Methyl Parathion
LabResults	Analyte	Methyl propyl disulfide
LabResults	Analyte	Methyl tert-butyl disulfide
LabResults	Analyte	Methyl tert-butyl ether
LabResults	Analyte	METHYLACRYLATE
LabResults	Analyte	Methylbutadiene
LabResults	Analyte	Methylbutane
LabResults	Analyte	Methylchrysene
LabResults	Analyte	Methylcyclohexane
LabResults	Analyte	METHYLCYCLOPENTANE
LabResults	Analyte	Methyldecane
LabResults	Analyte	Methylene Chloride
LabResults	Analyte	Methylfluorene
LabResults	Analyte	Methylheptane
LabResults	Analyte	Methylnaphthalene
LabResults	Analyte	Methylnonane
LabResults	Analyte	Methyloctane
LabResults	Analyte	Methylpentane
LabResults	Analyte	m-Ethyltoluene
LabResults	Analyte	Methylundecane
LabResults	Analyte	Mevinphos
LabResults	Analyte	M-METHOXYBENZONTRILE
LabResults	Analyte	MMT
LabResults	Analyte	m-Nitroaniline
LabResults	Analyte	Molybdenum
LabResults	Analyte	Monocrotophos
LabResults	Analyte	Mortality (%)
LabResults	Analyte	m-Xylene
LabResults	Analyte	Mysidopsis
LabResults	Analyte	Mytilus galloprovincialis
LabResults	Analyte	Naled

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	n-Amyl acetate
LabResults	Analyte	Naphthalene
LabResults	Analyte	Naphthalene, 1-(1,1-dim
LabResults	Analyte	Naphthalene, 1,7-dimeth
LabResults	Analyte	Naphthalene, 2,3-dimeth
LabResults	Analyte	Naphthalene, 2,7-dimeth
LabResults	Analyte	Naphthalene-d8
LabResults	Analyte	NAPHTHALENE, DECAHYDRO-2-METHYL-
LabResults	Analyte	Naphthobenzothiophene
LabResults	Analyte	n-Butyl acetate
LabResults	Analyte	n-Butylbenzene
LabResults	Analyte	n-Butylcyclopentane
LabResults	Analyte	nC-15 Pentadecane
LabResults	Analyte	Neanthes arenaceodentata
LabResults	Analyte	n-Heptatriacontane
LabResults	Analyte	Nickel
LabResults	Analyte	Nitrate/Nitrite as N
LabResults	Analyte	Nitrobenzene
LabResults	Analyte	Nitrobenzene-d5
LabResults	Analyte	Nitroethane
LabResults	Analyte	Nitrogen
LabResults	Analyte	NITROGEN, KJELDAHL, TOTAL
LabResults	Analyte	N-Nitrosodimethylamine
LabResults	Analyte	n-Nitrosodi-n-propylamine
LabResults	Analyte	N-Nitrosodiphenylamine
LabResults	Analyte	n-Nitrosodiphenylamine/Diphenylamine
LabResults	Analyte	n-Nonatriacontane
LabResults	Analyte	NO VOLATILES FOUND
LabResults	Analyte	n-Octatriacontane
LabResults	Analyte	Nonacosane
LabResults	Analyte	Nonadecane
LabResults	Analyte	Nonanal
LabResults	Analyte	Nonane
LabResults	Analyte	NONANE, 1-BROMO-
LabResults	Analyte	Nonane, 2,6-dimethyl-
LabResults	Analyte	Nonane, 2-methyl-
LabResults	Analyte	NONANE, 3,7-DIMETHYL-
LabResults	Analyte	NONANE, 3-METHYL-
LabResults	Analyte	Nonane, 3-methyl-5-propyl-
LabResults	Analyte	Nonane, 4-methyl-
LabResults	Analyte	NORPRISTANE (1650)
LabResults	Analyte	n-Pentatriacontane
LabResults	Analyte	n-Pentylbenzene
LabResults	Analyte	n-Tetracontane
LabResults	Analyte	o-Chlorophenol
LabResults	Analyte	o-Chlorotoluene
LabResults	Analyte	Octacosane

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Octadecane
LabResults	Analyte	Octamethylcyclotetrasiloxane
LabResults	Analyte	Octanal
LabResults	Analyte	Octane
LabResults	Analyte	OCTANE, 1-BROMO-
LabResults	Analyte	OCTANE, 2,2,6-TRIMETHYL-
LabResults	Analyte	OCTANE, 2,2-DIMETHYL-
LabResults	Analyte	OCTANE, 2,4,6-TRIMETHYL-
LabResults	Analyte	OCTANE, 2,5,6-TRIMETHYL-
LabResults	Analyte	Octane, 2,6-dimethyl-
LabResults	Analyte	Octane, 3,5-dimethyl-
LabResults	Analyte	Octane, 2-methyl-
LabResults	Analyte	Octane, 3-methyl-
LabResults	Analyte	OCTANE, 4-ETHYL-
LabResults	Analyte	OCTANE, 4-METHYL-
LabResults	Analyte	o-Cymene
LabResults	Analyte	o-Dichlorobenzene
LabResults	Analyte	O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate
LabResults	Analyte	o-Ethyltoluene
LabResults	Analyte	o-Fluorophenol
LabResults	Analyte	Oil and Grease
LabResults	Analyte	Oil and Grease, HEM
LabResults	Analyte	Oil Range Organics
LabResults	Analyte	Oil Range Organics (C-19-C36)
LabResults	Analyte	OIL RANGE ORGANICS (C28-C35)
LabResults	Analyte	OIL RANGE ORGANICS (C28-C40)
LabResults	Analyte	Oleic Acid
LabResults	Analyte	o-Nitroaniline
LabResults	Analyte	o-Nitrophenol
LabResults	Analyte	o-Terphenyl
LabResults	Analyte	o-Tolualdehyde
LabResults	Analyte	Oxirane, ((dodecyloxy)m
LabResults	Analyte	Oxirane, 2-methyl-3-propyl-, cis-
LabResults	Analyte	OXIRANE, ETHYL-
LabResults	Analyte	OXIRANE, TETRADECYL-
LabResults	Analyte	Oxygen
LabResults	Analyte	o-Xylene
LabResults	Analyte	Oxypentanoic acid
LabResults	Analyte	p,p'-DDD
LabResults	Analyte	p,p'-DDE
LabResults	Analyte	p,p'-DDT
LabResults	Analyte	Paint Filter Test
LabResults	Analyte	Palmitic acid
LabResults	Analyte	p-Bromofluorobenzene
LabResults	Analyte	p-Bromophenyl phenyl ether
LabResults	Analyte	PCB-1016
LabResults	Analyte	PCB-1221

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	PCB-1232
LabResults	Analyte	PCB-1242
LabResults	Analyte	PCB-1248
LabResults	Analyte	PCB-1254
LabResults	Analyte	PCB-1260
LabResults	Analyte	PCB-1262
LabResults	Analyte	PCB-1268
LabResults	Analyte	p-Chloroaniline
LabResults	Analyte	p-Chloro-m-cresol
LabResults	Analyte	p-Chlorophenyl phenyl ether
LabResults	Analyte	p-Chlorotoluene
LabResults	Analyte	p-Cymene
LabResults	Analyte	p-Dichlorobenzene
LabResults	Analyte	p-Diethylbenzene
LabResults	Analyte	Pentachloroanisole
LabResults	Analyte	PENTACHLOROETHANE
LabResults	Analyte	Pentachloronitrobenzene
LabResults	Analyte	Pentachlorophenol
LabResults	Analyte	Pentacosane
LabResults	Analyte	Pentadecanoic acid (TIC)
LabResults	Analyte	Pentadecanoic acid, methyl ester (TIC)
LabResults	Analyte	Pentanal
LabResults	Analyte	Pentane
LabResults	Analyte	PENTANE, 1-BROMO-
LabResults	Analyte	PENTANE, 2,2,3,4-TETRAMETHYL-
LabResults	Analyte	Pentane, 2,3,3-trimethyl-
LabResults	Analyte	Pentane, 3-ethyl-
LabResults	Analyte	Pentane, 3-ethyl-3-methyl-
LabResults	Analyte	PENTANE, DODECAFLUORO-
LabResults	Analyte	Perylene
LabResults	Analyte	p-Ethyltoluene
LabResults	Analyte	Petroleum Range Organics (PRO)-C8-C40
LabResults	Analyte	pH
LabResults	Analyte	Phenanthrene
LabResults	Analyte	Phenanthrene-d10
LabResults	Analyte	Phenanthridine
LabResults	Analyte	Phenol
LabResults	Analyte	Phenol-d5
LabResults	Analyte	Phorate
LabResults	Analyte	Phosphorus
LabResults	Analyte	Phytane
LabResults	Analyte	Phytol
LabResults	Analyte	Pinene (TIC)
LabResults	Analyte	Piperazine, 2-methyl-
LabResults	Analyte	PM2.5
LabResults	Analyte	p-Nitroaniline
LabResults	Analyte	p-Nitrophenol

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Polychlorinated biphenyls, Total
LabResults	Analyte	Potassium
LabResults	Analyte	Pour Point
LabResults	Analyte	Pristane
LabResults	Analyte	PROPANAL, 2,2-DIMETHYL-
LabResults	Analyte	Propane
LabResults	Analyte	PROPANE, 1-BROMO-
LabResults	Analyte	PROPANE, 2-BROMO-
LabResults	Analyte	Propanoic acid, 2-methy
LabResults	Analyte	Propanoic acid, 2-methyl-, 2-methylpropyl-
LabResults	Analyte	Propanoic acid, 2-propenyl ester
LabResults	Analyte	PROPIONITRILE
LabResults	Analyte	Propiophenone
LabResults	Analyte	Propylbenzene
LabResults	Analyte	Propylene
LabResults	Analyte	Propylene Glycol
LabResults	Analyte	Propyne
LabResults	Analyte	Prothiofos
LabResults	Analyte	PS-Chronic Tox-Control(Farfantepanaeus duorarum-pink shrimp)
LabResults	Analyte	PS-Chronic Tox-Sample(Farfantepanaeus duorarum-pink shrimp)
LabResults	Analyte	p-Trimethylsilyloxyphenyl-bis(trimehylsilyloxy) ethane
LabResults	Analyte	p-Xylene
LabResults	Analyte	Pyrene
LabResults	Analyte	Pyrene-d10
LabResults	Analyte	Pyridine
LabResults	Analyte	Reactivity Cyanide
LabResults	Analyte	Retene
LabResults	Analyte	Riser Fluid
LabResults	Analyte	Ronnel
LabResults	Analyte	S10-METHYLDIACHOLESTANE
LabResults	Analyte	S11-METHYLDIACHOLESTANE
LabResults	Analyte	S12-CHOLESTANE
LabResults	Analyte	S14-CHOLESTANE (20R)
LabResults	Analyte	S15-CHOLESTANE (20S)
LabResults	Analyte	S18-ETHYLDIACHOLESTANE
LabResults	Analyte	S19-ETHYLDIACHOLESTANE
LabResults	Analyte	S1-PREGNANE
LabResults	Analyte	S20-METHYLCHOLESTANE
LabResults	Analyte	S22-METHYLCHOLESTANE(20R)
LabResults	Analyte	S23-METHYLCHOLESTANE(20S)
LabResults	Analyte	S24-METHYLCHOLESTANE
LabResults	Analyte	S25-ETHYLCHOLESTANE
LabResults	Analyte	S26-ETHYLCHOLESTANE(20R)
LabResults	Analyte	S27-ETHYLCHOLESTANE(20S)
LabResults	Analyte	S28-ETHYLCHOLESTANE
LabResults	Analyte	S29-C30CHOLESTANE(R)
LabResults	Analyte	S2-PREGNANE

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	S30-C30CHOLESTANE(S)
LabResults	Analyte	S4-DIACHOLESTANE
LabResults	Analyte	S5-DIACHOLESTANE
LabResults	Analyte	S6-DIACHOLESTANE
LabResults	Analyte	S7-DIACHOLESTANE
LabResults	Analyte	S8-METHYLDIACHOLESTANE
LabResults	Analyte	SA-C21DIASTERANE
LabResults	Analyte	Salinity
LabResults	Analyte	Sand
LabResults	Analyte	Sand_Control
LabResults	Analyte	SB-C21STERANE
LabResults	Analyte	SC-C22DIASTERANE
LabResults	Analyte	SC-Chronic Tox-Sample (Skeletonema costatum)
LabResults	Analyte	SC-Chronic Tox-Sample (Skeletonema costatum)HIGH
LabResults	Analyte	SC-Chronic Tox-Sample (Skeletonema costatum)LOW
LabResults	Analyte	SD-C22STERANE
LabResults	Analyte	sec-Butylbenzene
LabResults	Analyte	Selenium
LabResults	Analyte	Silanol, trimethyl-
LabResults	Analyte	Silt
LabResults	Analyte	Silt_Control
LabResults	Analyte	Silver
LabResults	Analyte	SNMOC (Sum of Knowns)
LabResults	Analyte	Sodium
LabResults	Analyte	SPECIFIC GRAVITY
LabResults	Analyte	Stearic acid
LabResults	Analyte	Strontium
LabResults	Analyte	Styrene
LabResults	Analyte	Sulfate
LabResults	Analyte	Sulfide (Acid Soluble)
LabResults	Analyte	Sulfite
LabResults	Analyte	Sulfotep
LabResults	Analyte	Sulfur
LabResults	Analyte	Sulprofos
LabResults	Analyte	Sum of Unknowns
LabResults	Analyte	Surfactants
LabResults	Analyte	T0-C19DITERPANE
LabResults	Analyte	T10-C29TRICYCLICTRITERPANE(R)
LabResults	Analyte	T11-Trisnorhopane(TS)
LabResults	Analyte	T12-TRISNORHOPANE(TM)
LabResults	Analyte	T13A-29,30-BISNORHOPANE
LabResults	Analyte	T13-TRISNORHOPANE
LabResults	Analyte	T14A-C28,C30BISNORHOPANE
LabResults	Analyte	T14B-C29,C25NORHOPANE
LabResults	Analyte	T14-BISNORHOPANE
LabResults	Analyte	T15-C29-Norhopane
LabResults	Analyte	T16-Norneohopane

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	T17-C30-NORMORETANE
LabResults	Analyte	T18-C30-OLEANANE
LabResults	Analyte	T19-C30 Hopane
LabResults	Analyte	T1-C20DITERPANE
LabResults	Analyte	T20-MORETANE
LabResults	Analyte	T21-C31-HOMOHOPANE(S)
LabResults	Analyte	T22A-GAMMACERANE
LabResults	Analyte	T22-C31-HOMOHOPANE(R)
LabResults	Analyte	T23-Homohopane
LabResults	Analyte	T24-HOMOMORETANE
LabResults	Analyte	T25-DIPLOPTENE
LabResults	Analyte	T26-C32-Bishomohopane(S)
LabResults	Analyte	T27-C32-Bishomohopane(R)
LabResults	Analyte	T28-BISHOMOMORETANE
LabResults	Analyte	T29-HOMOHOPANE
LabResults	Analyte	T2-C21DITERPANE
LabResults	Analyte	T30-C33-TRISHOMOHOPANE(S)
LabResults	Analyte	T31-C33-TRISHOMOHOPANE(R)
LabResults	Analyte	T32-Tetrakishomohopane(S)
LabResults	Analyte	T33-TETRAKISHOMOHOPANE(R)
LabResults	Analyte	T34-PENTAKISHOMOHOPANE(S)
LabResults	Analyte	T35-PENTAKISHOMOHOPANE(R)
LabResults	Analyte	T3-C22DITERPANE
LabResults	Analyte	T4-C23Diterpane
LabResults	Analyte	T5-C24DITERPANE
LabResults	Analyte	T6A-C24TETRACYCLIC TERPANE
LabResults	Analyte	T6B-C26TRICYCLIC(S)
LabResults	Analyte	T6-C25DITERPANE
LabResults	Analyte	T6C-C26TRICYCLIC(R)
LabResults	Analyte	T7-C28Tricyclictriterpane(S)
LabResults	Analyte	T8-C28Tricyclictriterpane(R)
LabResults	Analyte	T9-C29Tricyclictriterpane(S)
LabResults	Analyte	Tartaric acid, diethyl ester
LabResults	Analyte	t-Butyl Alcohol
LabResults	Analyte	Temperature (±1°C)
LabResults	Analyte	TENTATIVELY IDENTIFIED COMPOUNDS
LabResults	Analyte	Tentatively Identified Compounds(1)
LabResults	Analyte	Tentatively Identified Compounds(10)
LabResults	Analyte	Tentatively Identified Compounds(11)
LabResults	Analyte	Tentatively Identified Compounds(12)
LabResults	Analyte	Tentatively Identified Compounds(13)
LabResults	Analyte	Tentatively Identified Compounds(14)
LabResults	Analyte	Tentatively Identified Compounds(15)
LabResults	Analyte	Tentatively Identified Compounds(16)
LabResults	Analyte	Tentatively Identified Compounds(17)
LabResults	Analyte	Tentatively Identified Compounds(18)
LabResults	Analyte	Tentatively Identified Compounds(19)

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Tentatively Identified Compounds(2)
LabResults	Analyte	Tentatively Identified Compounds(20)
LabResults	Analyte	Tentatively Identified Compounds(21)
LabResults	Analyte	Tentatively Identified Compounds(22)
LabResults	Analyte	Tentatively Identified Compounds(23)
LabResults	Analyte	Tentatively Identified Compounds(24)
LabResults	Analyte	Tentatively Identified Compounds(25)
LabResults	Analyte	Tentatively Identified Compounds(26)
LabResults	Analyte	Tentatively Identified Compounds(27)
LabResults	Analyte	Tentatively Identified Compounds(3)
LabResults	Analyte	Tentatively Identified Compounds(4)
LabResults	Analyte	Tentatively Identified Compounds(5)
LabResults	Analyte	Tentatively Identified Compounds(6)
LabResults	Analyte	Tentatively Identified Compounds(7)
LabResults	Analyte	Tentatively Identified Compounds(8)
LabResults	Analyte	Tentatively Identified Compounds(9)
LabResults	Analyte	Terphenyl-d14
LabResults	Analyte	tert-Amyl Methyl Ether
LabResults	Analyte	tert-Amylbenzene
LabResults	Analyte	tert-Butylbenzene
LabResults	Analyte	Tetrachloroethylene
LabResults	Analyte	Tetrachloro-m-xylene
LabResults	Analyte	Tetrachlorvinphos
LabResults	Analyte	Tetracosane
LabResults	Analyte	Tetradecanal
LabResults	Analyte	Tetradecane
LabResults	Analyte	Tetradecanoic Acid
LabResults	Analyte	Tetraethyl pyrophosphate
LabResults	Analyte	Tetrahydrofuran
LabResults	Analyte	Tetratriacontane
LabResults	Analyte	Thallium
LabResults	Analyte	THC AS GAS
LabResults	Analyte	Thiophene
LabResults	Analyte	Thiophene, 2-ethyltetrahydro-
LabResults	Analyte	Thiophene, tetrahydro-2-methyl-
LabResults	Analyte	Tin
LabResults	Analyte	Titanium
LabResults	Analyte	TOC
LabResults	Analyte	TOC_Control
LabResults	Analyte	Toluene
LabResults	Analyte	Toluene-d8
LabResults	Analyte	Total Ammonia
LabResults	Analyte	Total BTEX
LabResults	Analyte	Total Carbon
LabResults	Analyte	Total Chlorine
LabResults	Analyte	Total Non-Methane Organic Carbon
LabResults	Analyte	Total Organic Halides

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	Total PAH
LabResults	Analyte	Total Petroleum Hydrocarbons as Diesel
LabResults	Analyte	Total Petroleum Hydrocarbons as Oil
LabResults	Analyte	Total Phenolics
LabResults	Analyte	Total Residual Chlorine
LabResults	Analyte	Total Resolved SHC (C9-C40)
LabResults	Analyte	Total Sediment and Water
LabResults	Analyte	Total SHC
LabResults	Analyte	Total Suspended Solids
LabResults	Analyte	TOTAL VOCS AS GASOLINE
LabResults	Analyte	Total VOCS as Heptane
LabResults	Analyte	Toxaphene
LabResults	Analyte	TPH
LabResults	Analyte	TPH ORO (>C28-C40)
LabResults	Analyte	TPH, Total (C9-C40)
LabResults	Analyte	trans-1,2-Dichloroethylene
LabResults	Analyte	TRANS-1,3-DICHLOROPROPENE
LabResults	Analyte	TRANS-1,4-DICHLORO-2-BUTENE
LabResults	Analyte	trans-1-Butyl-2-methylc
LabResults	Analyte	trans-2-Butene
LabResults	Analyte	trans-2-Heptene
LabResults	Analyte	trans-2-Hexene
LabResults	Analyte	trans-2-Nonene
LabResults	Analyte	trans-2-Pentene
LabResults	Analyte	trans-Chlordane
LabResults	Analyte	trans-3-Heptene
LabResults	Analyte	trans-3-Nonene
LabResults	Analyte	trans-Crotonaldehyde
LabResults	Analyte	trans-Decahydronaphthalene
LabResults	Analyte	Triacontane
LabResults	Analyte	Tribromomethane
LabResults	Analyte	Trichloroethylene
LabResults	Analyte	Trichloronate
LabResults	Analyte	Tricosane
LabResults	Analyte	tridecane
LabResults	Analyte	Tridecane, 3-methylene-
LabResults	Analyte	Trifluoroacetyl-isoborneol
LabResults	Analyte	Trihalomethanes (four), total
LabResults	Analyte	Trimethylamine
LabResults	Analyte	Trimethylbenzene Isomer
LabResults	Analyte	Trimethyl bromide
LabResults	Analyte	Trimethylcyclohexane (TIC)
LabResults	Analyte	Triphenylphosphine oxide (TIC)
LabResults	Analyte	Trisulfide, dimethyl
LabResults	Analyte	Tritriacontane
LabResults	Analyte	TRPH
LabResults	Analyte	Turbidity

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analyte	undecane
LabResults	Analyte	Undecane, 2,10-dimethyl
LabResults	Analyte	Undecane, 2,4-dimethyl-
LabResults	Analyte	Undecane, 2,5-dimethyl-
LabResults	Analyte	Undecane, 2,6-dimethyl-
LabResults	Analyte	Undecane, 3,6-dimethyl-
LabResults	Analyte	Undecane, 3,8-dimethyl-
LabResults	Analyte	UNDECANE, 3-METHYL-
LabResults	Analyte	UNDECANE, 4,6-DIMETHYL-
LabResults	Analyte	UNDECANE, 4,7-DIMETHYL-
LabResults	Analyte	UNDECANE, 5,7-DIMETHYL-
LabResults	Analyte	Undecane, 5-methyl-
LabResults	Analyte	Unidentified Compound(s)
LabResults	Analyte	Unknown
LabResults	Analyte	Unknown (01)
LabResults	Analyte	Unknown (02)
LabResults	Analyte	Unknown Branched Hydrocarbon
LabResults	Analyte	Unknown Branched Hydrocarbon (2)
LabResults	Analyte	Unknown Branched Hydrocarbon (3)
LabResults	Analyte	Unknown Branched Hydrocarbon (4)
LabResults	Analyte	UNKNOWN C7H10 HYDROCARBON
LabResults	Analyte	UNKNOWN CYCLIC HYDROCARBON
LabResults	Analyte	UNKNOWN FLUOROCARBON
LabResults	Analyte	Unknown Hopane (01)
LabResults	Analyte	Unknown Hopane (02)
LabResults	Analyte	UNKNOWN HYDROCARBON
LabResults	Analyte	Unknown Nitrogen-Sulfur Compound
LabResults	Analyte	UNKNOWN NITROGENOUS HYDROCARBON
LabResults	Analyte	Uranium-234 and/or uranium-235 and/or uranium-238
LabResults	Analyte	UV 254 -- SDWA NPDWR
LabResults	Analyte	Vanadium
LabResults	Analyte	Vinyl acetate
LabResults	Analyte	Vinyl Bromide
LabResults	Analyte	Vinyl chloride
LabResults	Analyte	Vinylidene fluoride
LabResults	Analyte	Viscosity @ 122 F
LabResults	Analyte	VISCOSITY, KIN, @ 50 C
LabResults	Analyte	VS
LabResults	Analyte	VS_Control
LabResults	Analyte	Xylenes, Total
LabResults	Analyte	Yttrium
LabResults	Analyte	Zinc
LabResults	Analytical_Method	% Calculation
LabResults	Analytical_Method	10 day - Survival - Reburial EPA/600/R-94/025 (1994)
LabResults	Analytical_Method	100% SMP
LabResults	Analytical_Method	10D_0%SMP_Surviv
LabResults	Analytical_Method	10D_0%SMPGrowth

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analytical_Method	10D_100%SMP_Surviv
LabResults	Analytical_Method	10D_100%SMPGrowth
LabResults	Analytical_Method	10D_PASS/FAILGrowth
LabResults	Analytical_Method	10D_PASS/FAILSurviv
LabResults	Analytical_Method	40 CFR Appendix L
LabResults	Analytical_Method	48 Hour Survival - EPA/821/R-02-012 (2002)
LabResults	Analytical_Method	48 Hour Survival EPA-823-B-98-005 (1998)
LabResults	Analytical_Method	7D_0%SMP_GROWTH
LabResults	Analytical_Method	7D_0%SMP_MORTALITY
LabResults	Analytical_Method	7D_0%SMP_SURVIV
LabResults	Analytical_Method	7D_6.5%SMP_SURVIV
LabResults	Analytical_Method	7D_10%SMP_GROWTH
LabResults	Analytical_Method	7D_10%SMP_SURVIV
LabResults	Analytical_Method	7D_12.5%SMP_SURVIV
LabResults	Analytical_Method	7D_25%SMP_SURVIV
LabResults	Analytical_Method	7D_100%SMP_GROWTH
LabResults	Analytical_Method	7D_100%SMP_MORTALITY
LabResults	Analytical_Method	7D_100%SMP_SURVIV
LabResults	Analytical_Method	7D_50%SMP_GROWTH
LabResults	Analytical_Method	7D_50%SMP_SURVIV
LabResults	Analytical_Method	7D_LOEC_GROWTH
LabResults	Analytical_Method	7D_LOEC_SURVIVAL
LabResults	Analytical_Method	7D_NOEC_GROWTH
LabResults	Analytical_Method	7D_NOEC_SURVIVAL
LabResults	Analytical_Method	48HR_6.25%SMP_SURVIV
LabResults	Analytical_Method	48HR_12.5%SMP_SURVIV
LabResults	Analytical_Method	48HR_25%SMP_SURVIV
LabResults	Analytical_Method	48HR_50%SMP_SURVIV
LabResults	Analytical_Method	48HR_100%SMP_SURVIV
LabResults	Analytical_Method	96HR_0%SMP_SURVIV
LabResults	Analytical_Method	96HR_0%SMPGROWTH
LabResults	Analytical_Method	96HR_0%SMP-MORTAL
LabResults	Analytical_Method	96HR_0%SMP-MRT_30C
LabResults	Analytical_Method	96HR_10%SMP_INHIBIT
LabResults	Analytical_Method	96HR_10%SMP_SURVIV
LabResults	Analytical_Method	96HR_10%SMP-MORTAL
LabResults	Analytical_Method	96HR_100%SMP_INHIBIT
LabResults	Analytical_Method	96HR_100%SMP_SURVIV
LabResults	Analytical_Method	96HR_100%SMPGROWTH
LabResults	Analytical_Method	96HR_100%SMP-MORTAL
LabResults	Analytical_Method	96HR_100%SMP-MRT_30C
LabResults	Analytical_Method	96HR_50%SMP_INHIBIT
LabResults	Analytical_Method	96HR_50%SMP_SURVIV
LabResults	Analytical_Method	96HR_50%SMP-MORTAL
LabResults	Analytical_Method	96HR_LC50
LabResults	Analytical_Method	96HR_PASS/FAILGROWTH
LabResults	Analytical_Method	96HR_PASS/FAILSurviv

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analytical_Method	A2540B
LabResults	Analytical_Method	A2540G
LabResults	Analytical_Method	AA095
LabResults	Analytical_Method	ALGOR
LabResults	Analytical_Method	ASB107C
LabResults	Analytical_Method	ASTM-DISPERSIBILITY
LabResults	Analytical_Method	ASTM E1611-00
LabResults	Analytical_Method	ATL Appl. #59
LabResults	Analytical_Method	BAROM
LabResults	Analytical_Method	Biology Sheepshead Chronic
LabResults	Analytical_Method	Biology Wet Chemistry
LabResults	Analytical_Method	CL016
LabResults	Analytical_Method	CL017
LabResults	Analytical_Method	CMB01
LabResults	Analytical_Method	CMB96_0%SMP_GROWTH
LabResults	Analytical_Method	CMB96_0%SMP_SURVIV
LabResults	Analytical_Method	CMB96_0%SMPGROWTH
LabResults	Analytical_Method	CMB96_100%SMP_GROWTH
LabResults	Analytical_Method	CMB96_100%SMP_SURVIV
LabResults	Analytical_Method	CMB96_100%SMPGROWTH
LabResults	Analytical_Method	CMB96_100%SMPSURVIV
LabResults	Analytical_Method	CMB96_PASS/FAILGROW
LabResults	Analytical_Method	CMB96_PASS/FAILSURVIVE
LabResults	Analytical_Method	COMB4
LabResults	Analytical_Method	Compendium TO-13
LabResults	Analytical_Method	CV021
LabResults	Analytical_Method	CV025
LabResults	Analytical_Method	D2216
LabResults	Analytical_Method	D4007
LabResults	Analytical_Method	D4052
LabResults	Analytical_Method	D422
LabResults	Analytical_Method	D4294
LabResults	Analytical_Method	D445
LabResults	Analytical_Method	D5002
LabResults	Analytical_Method	D97
LabResults	Analytical_Method	DEP SOP: LC-001-2 (based on EPA 8321B)
LabResults	Analytical_Method	Dispersants by GC-MS
LabResults	Analytical_Method	E120.1
LabResults	Analytical_Method	E160.2
LabResults	Analytical_Method	E1664
LabResults	Analytical_Method	E1664A
LabResults	Analytical_Method	E200.2
LabResults	Analytical_Method	E200.7
LabResults	Analytical_Method	E200.8
LabResults	Analytical_Method	E203-75
LabResults	Analytical_Method	E245.1
LabResults	Analytical_Method	E245.2

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analytical_Method	E245.5
LabResults	Analytical_Method	E300
LabResults	Analytical_Method	E350.1
LabResults	Analytical_Method	E350.1MOD
LabResults	Analytical_Method	E350.3
LabResults	Analytical_Method	E351.2
LabResults	Analytical_Method	E353.2
LabResults	Analytical_Method	E365.1
LabResults	Analytical_Method	E365.4
LabResults	Analytical_Method	E420.4
LabResults	Analytical_Method	E524.2
LabResults	Analytical_Method	E608
LabResults	Analytical_Method	E624
LabResults	Analytical_Method	E625
LabResults	Analytical_Method	EC50
LabResults	Analytical_Method	ENV by GC-MS Specialty
LabResults	Analytical_Method	EPA.R5/6LC
LabResults	Analytical_Method	EPA200.7rev4.4
LabResults	Analytical_Method	EPA200.8Rev5.4
LabResults	Analytical_Method	EPA600/R-01/120
LabResults	Analytical_Method	EPA 600/4-90/027F
LabResults	Analytical_Method	EPA/600-94/025
LabResults	Analytical_Method	EPA 821/R-02-014
LabResults	Analytical_Method	EPA 600/R-01/120
LabResults	Analytical_Method	EPH LARecap Mod
LabResults	Analytical_Method	FL-DEP FL-PRO
LabResults	Analytical_Method	FL-PRO
LabResults	Analytical_Method	GCM13
LabResults	Analytical_Method	GCM25
LabResults	Analytical_Method	GCM55
LabResults	Analytical_Method	GCM56
LabResults	Analytical_Method	GCM57
LabResults	Analytical_Method	GCM66
LabResults	Analytical_Method	Glycols
LabResults	Analytical_Method	GRV29
LabResults	Analytical_Method	H8000
LabResults	Analytical_Method	HY017
LabResults	Analytical_Method	KJ008
LabResults	Analytical_Method	KJ009
LabResults	Analytical_Method	LC DOSS
LabResults	Analytical_Method	LC50
LabResults	Analytical_Method	LC50_AT_30C
LabResults	Analytical_Method	LC/MS/MS
LabResults	Analytical_Method	Library Search
LabResults	Analytical_Method	LLOYD KAHN
LabResults	Analytical_Method	MADEP EPH
LabResults	Analytical_Method	MADEP VPH MODIFIED

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analytical_Method	MET12941
LabResults	Analytical_Method	MET6772
LabResults	Analytical_Method	MET7227
LabResults	Analytical_Method	MET7648
LabResults	Analytical_Method	Metals Free Liquids Test
LabResults	Analytical_Method	Method E 1563-98
LabResults	Analytical_Method	mod.OSHA PV2120/EPA TO15
LabResults	Analytical_Method	Moisture
LabResults	Analytical_Method	N1403
LabResults	Analytical_Method	N5523
LabResults	Analytical_Method	NWTPHD
LabResults	Analytical_Method	PCL01
LabResults	Analytical_Method	PLA15
LabResults	Analytical_Method	PLA20
LabResults	Analytical_Method	PLM11
LabResults	Analytical_Method	PLM47
LabResults	Analytical_Method	PLM48
LabResults	Analytical_Method	PLO01
LabResults	Analytical_Method	PROBE
LabResults	Analytical_Method	RAM-DOSS
LabResults	Analytical_Method	REF SMP
LabResults	Analytical_Method	SERAS SOP#1814
LabResults	Analytical_Method	SM2120C
LabResults	Analytical_Method	SM2510B
LabResults	Analytical_Method	SM2520B
LabResults	Analytical_Method	SM2540D
LabResults	Analytical_Method	SM2710F
LabResults	Analytical_Method	SM4500
LabResults	Analytical_Method	SM4500CLG
LabResults	Analytical_Method	SM4500CNE
LabResults	Analytical_Method	SM4500H+B
LabResults	Analytical_Method	SM4500NH3E
LabResults	Analytical_Method	SM4500NH3F
LabResults	Analytical_Method	SM4500S2D
LabResults	Analytical_Method	SM4500SO3B
LabResults	Analytical_Method	SM5210B
LabResults	Analytical_Method	SM5310B
LabResults	Analytical_Method	SM5540C
LabResults	Analytical_Method	SM9222D
LabResults	Analytical_Method	SM9223
LabResults	Analytical_Method	SNMOC
LabResults	Analytical_Method	Solids
LabResults	Analytical_Method	SOP 5-245
LabResults	Analytical_Method	SPEC2
LabResults	Analytical_Method	SW1010
LabResults	Analytical_Method	SW1020
LabResults	Analytical_Method	SW1020B

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analytical_Method	SW1030
LabResults	Analytical_Method	SW4500/SW9040A
LabResults	Analytical_Method	SW6010
LabResults	Analytical_Method	SW6010B
LabResults	Analytical_Method	SW6010B/SW1311
LabResults	Analytical_Method	SW6010C
LabResults	Analytical_Method	SW6020
LabResults	Analytical_Method	SW6020A
LabResults	Analytical_Method	SW6020R
LabResults	Analytical_Method	SW6020TCLP
LabResults	Analytical_Method	SW7470
LabResults	Analytical_Method	SW7470A
LabResults	Analytical_Method	SW7470A/SW1311
LabResults	Analytical_Method	SW7470ATCLP
LabResults	Analytical_Method	SW7470R
LabResults	Analytical_Method	SW7471
LabResults	Analytical_Method	SW7471A
LabResults	Analytical_Method	SW7471B
LabResults	Analytical_Method	SW8015
LabResults	Analytical_Method	SW8015/SW8021
LabResults	Analytical_Method	SW8015B
LabResults	Analytical_Method	SW8015BMOD
LabResults	Analytical_Method	SW8015C
LabResults	Analytical_Method	SW8015M
LabResults	Analytical_Method	SW8021B
LabResults	Analytical_Method	SW8021R
LabResults	Analytical_Method	SW8081
LabResults	Analytical_Method	SW8082
LabResults	Analytical_Method	SW8141B
LabResults	Analytical_Method	SW8151
LabResults	Analytical_Method	SW8260
LabResults	Analytical_Method	SW8260B
LabResults	Analytical_Method	SW8260B/SW1311
LabResults	Analytical_Method	SW8260C
LabResults	Analytical_Method	SW8260R
LabResults	Analytical_Method	SW8260TCLP
LabResults	Analytical_Method	SW8270
LabResults	Analytical_Method	SW8270C
LabResults	Analytical_Method	SW8270C/SW1311
LabResults	Analytical_Method	SW8270CMOD
LabResults	Analytical_Method	SW8270CSIM
LabResults	Analytical_Method	SW8270D
LabResults	Analytical_Method	SW8270R
LabResults	Analytical_Method	SW8270SIM
LabResults	Analytical_Method	SW8270TCLP
LabResults	Analytical_Method	SW8272MOD
LabResults	Analytical_Method	SW-8467.1.2

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Analytical_Method	SW-8467.3.3.2
LabResults	Analytical_Method	SW9012
LabResults	Analytical_Method	SW9012A
LabResults	Analytical_Method	SW9020B
LabResults	Analytical_Method	SW9034
LabResults	Analytical_Method	SW9040
LabResults	Analytical_Method	SW9045
LabResults	Analytical_Method	SW9045D
LabResults	Analytical_Method	SW9060
LabResults	Analytical_Method	SW9060AMOD
LabResults	Analytical_Method	SW9060MOD
LabResults	Analytical_Method	SW9071
LabResults	Analytical_Method	SW9071B
LabResults	Analytical_Method	SW9095
LabResults	Analytical_Method	SW9095A
LabResults	Analytical_Method	TICS SV
LabResults	Analytical_Method	TICS VOA
LabResults	Analytical_Method	TO-13A
LabResults	Analytical_Method	TO-15
LabResults	Analytical_Method	TO-15-TIC
LabResults	Analytical_Method	TPHCWG
LabResults	Analytical_Method	TS087
LabResults	Analytical_Method	TURB
LabResults	Analytical_Method	UV_VIS
LabResults	Analytical_Method	UV003
LabResults	Analytical_Method	UV008
LabResults	Analytical_Method	WBLACK
LabResults	Basis	As Rcd
LabResults	Basis	Dry
LabResults	Basis	Wet
LabResults	Cas_no	445
LabResults	Cas_no	% GRAVEL
LabResults	Cas_no	% Moisture
LabResults	Cas_no	% SAND
LabResults	Cas_no	% SILT CLAY
LabResults	Cas_no	% Solids
LabResults	Cas_no	100-01-6
LabResults	Cas_no	100-02-7
LabResults	Cas_no	1002-43-3
LabResults	Cas_no	1002-84-2
LabResults	Cas_no	100-40-3
LabResults	Cas_no	100-41-4
LabResults	Cas_no	100-42-5
LabResults	Cas_no	100-44-7
LabResults	Cas_no	100-51-6
LabResults	Cas_no	100-52-7
LabResults	Cas_no	10061-01-5

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	10061-02-6
LabResults	Cas_no	101-55-3
LabResults	Cas_no	102056-77-9
LabResults	Cas_no	102-25-0
LabResults	Cas_no	1024-57-3
LabResults	Cas_no	103-09-3
LabResults	Cas_no	1031-07-8
LabResults	Cas_no	103-11-7
LabResults	Cas_no	103-33-3
LabResults	Cas_no	103-65-1
LabResults	Cas_no	10374-74-0
LabResults	Cas_no	10420-90-3
LabResults	Cas_no	104-51-8
LabResults	Cas_no	104-76-7
LabResults	Cas_no	105-05-5
LabResults	Cas_no	105-60-2
LabResults	Cas_no	105-67-9
LabResults	Cas_no	106-27-4
LabResults	Cas_no	106-35-4
LabResults	Cas_no	106-39-8
LabResults	Cas_no	106-42-3
LabResults	Cas_no	106-43-4
LabResults	Cas_no	106-44-5
LabResults	Cas_no	106-46-7
LabResults	Cas_no	106-47-8
LabResults	Cas_no	106631-38-3
LabResults	Cas_no	1066-40-6
LabResults	Cas_no	106-68-3
LabResults	Cas_no	1067-08-9
LabResults	Cas_no	1067-20-5
LabResults	Cas_no	106-88-7
LabResults	Cas_no	106-93-4
LabResults	Cas_no	106-94-5
LabResults	Cas_no	106-97-8
LabResults	Cas_no	106-98-9
LabResults	Cas_no	106-99-0
LabResults	Cas_no	107-02-8
LabResults	Cas_no	107-05-1
LabResults	Cas_no	107-06-2
LabResults	Cas_no	107-11-9
LabResults	Cas_no	1071-26-7
LabResults	Cas_no	107-12-0
LabResults	Cas_no	107-13-1
LabResults	Cas_no	107-14-2
LabResults	Cas_no	1072-05-5
LabResults	Cas_no	1072-47-5
LabResults	Cas_no	1072-85-1

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	1073-06-9
LabResults	Cas_no	107-39-1
LabResults	Cas_no	1074-17-5
LabResults	Cas_no	1074-43-7
LabResults	Cas_no	1074-55-1
LabResults	Cas_no	107-49-3
LabResults	Cas_no	107-83-5
LabResults	Cas_no	107-87-9
LabResults	Cas_no	108-05-4
LabResults	Cas_no	108-08-7
LabResults	Cas_no	108-10-1
LabResults	Cas_no	108-20-3
LabResults	Cas_no	10830-66-5
LabResults	Cas_no	108-38-3
LabResults	Cas_no	108-39-4/106-44-5
LabResults	Cas_no	108-67-8
LabResults	Cas_no	108-86-1
LabResults	Cas_no	108-87-2
LabResults	Cas_no	108-88-3
LabResults	Cas_no	108-90-7
LabResults	Cas_no	108-93-0
LabResults	Cas_no	108-94-1
LabResults	Cas_no	108-95-2
LabResults	Cas_no	108-99-6
LabResults	Cas_no	109-06-8
LabResults	Cas_no	109-07-9
LabResults	Cas_no	109-21-7
LabResults	Cas_no	109-65-9
LabResults	Cas_no	109-66-0
LabResults	Cas_no	109-67-1
LabResults	Cas_no	109-69-3
LabResults	Cas_no	109-99-9
LabResults	Cas_no	110-02-1
LabResults	Cas_no	110-12-3
LabResults	Cas_no	110-43-0
LabResults	Cas_no	110-53-2
LabResults	Cas_no	110-54-3
LabResults	Cas_no	110-57-6
LabResults	Cas_no	110-62-3
LabResults	Cas_no	110-75-8
LabResults	Cas_no	110-82-7
LabResults	Cas_no	110-86-1
LabResults	Cas_no	110-93-0
LabResults	Cas_no	11096-82-5
LabResults	Cas_no	11097-69-1
LabResults	Cas_no	11100-14-4
LabResults	Cas_no	11104-28-2

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	111-13-7
LabResults	Cas_no	1112-35-2
LabResults	Cas_no	111-25-1
LabResults	Cas_no	11141-16-5
LabResults	Cas_no	111-44-4
LabResults	Cas_no	111-65-9
LabResults	Cas_no	111-66-0
LabResults	Cas_no	111-71-7
LabResults	Cas_no	111-76-2
LabResults	Cas_no	111-83-1
LabResults	Cas_no	111-84-2
LabResults	Cas_no	111-91-1
LabResults	Cas_no	1120-21-4
LabResults	Cas_no	112-30-1
LabResults	Cas_no	112-31-2
LabResults	Cas_no	112-39-0
LabResults	Cas_no	112-40-3
LabResults	Cas_no	112-41-4
LabResults	Cas_no	112-42-5
LabResults	Cas_no	112-80-1
LabResults	Cas_no	112-95-8
LabResults	Cas_no	1146-65-2
LabResults	Cas_no	115-07-1
LabResults	Cas_no	115-11-7
LabResults	Cas_no	115-11-7/106-98-9
LabResults	Cas_no	115-90-2
LabResults	Cas_no	117-81-7
LabResults	Cas_no	117-84-0
LabResults	Cas_no	1186-53-4
LabResults	Cas_no	118-74-1
LabResults	Cas_no	118-79-6
LabResults	Cas_no	1198-84-1
LabResults	Cas_no	120-12-7
LabResults	Cas_no	120-36-5
LabResults	Cas_no	120-82-1
LabResults	Cas_no	120-83-2
LabResults	Cas_no	120-92-3
LabResults	Cas_no	12108-13-3
LabResults	Cas_no	121-14-2
LabResults	Cas_no	121-75-5
LabResults	Cas_no	122-39-4
LabResults	Cas_no	122-66-7
LabResults	Cas_no	123-05-7
LabResults	Cas_no	123-54-6
LabResults	Cas_no	123-66-0
LabResults	Cas_no	123-72-8
LabResults	Cas_no	123-73-9

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	123-86-4
LabResults	Cas_no	123-91-1
LabResults	Cas_no	123-92-2
LabResults	Cas_no	124-11-8
LabResults	Cas_no	124-13-0
LabResults	Cas_no	124-18-5
LabResults	Cas_no	124-19-6
LabResults	Cas_no	124-25-4
LabResults	Cas_no	124-38-9
LabResults	Cas_no	124-48-1
LabResults	Cas_no	12672-29-6
LabResults	Cas_no	12674-11-2
LabResults	Cas_no	126-98-7
LabResults	Cas_no	126-99-8
LabResults	Cas_no	127-18-4
LabResults	Cas_no	127-63-9
LabResults	Cas_no	127-91-3
LabResults	Cas_no	129-00-0
LabResults	Cas_no	131-11-3
LabResults	Cas_no	13151-17-2
LabResults	Cas_no	13151-34-3
LabResults	Cas_no	1319-77-3
LabResults	Cas_no	13194-48-4
LabResults	Cas_no	1321-94-4
LabResults	Cas_no	13228-36-9
LabResults	Cas_no	132-64-9
LabResults	Cas_no	132-65-0
LabResults	Cas_no	1330-20-7
LabResults	Cas_no	1333-74-0
LabResults	Cas_no	1336-36-3
LabResults	Cas_no	13389-42-9
LabResults	Cas_no	13475-82-6
LabResults	Cas_no	135-01-3
LabResults	Cas_no	135-98-8
LabResults	Cas_no	138-86-3
LabResults	Cas_no	13898-73-2
LabResults	Cas_no	140-88-5
LabResults	Cas_no	141-46-8
LabResults	Cas_no	14167-59-0
LabResults	Cas_no	141-78-6
LabResults	Cas_no	141-79-7
LabResults	Cas_no	141-93-5
LabResults	Cas_no	142-28-9
LabResults	Cas_no	142-29-0
LabResults	Cas_no	14265-45-3
LabResults	Cas_no	142-82-5
LabResults	Cas_no	142-96-1

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	14315-97-0
LabResults	Cas_no	14676-29-0
LabResults	Cas_no	14686-13-6
LabResults	Cas_no	14686-14-7
LabResults	Cas_no	14720-74-2
LabResults	Cas_no	14808-79-8
LabResults	Cas_no	14850-23-8
LabResults	Cas_no	1502-38-1
LabResults	Cas_no	150-50-5
LabResults	Cas_no	1517-22-2
LabResults	Cas_no	1527-89-5
LabResults	Cas_no	1551-32-2
LabResults	Cas_no	156-59-2
LabResults	Cas_no	156-60-5
LabResults	Cas_no	15831-10-4
LabResults	Cas_no	15869-86-0
LabResults	Cas_no	15869-87-1
LabResults	Cas_no	15869-89-1
LabResults	Cas_no	15869-93-9
LabResults	Cas_no	1587-04-8
LabResults	Cas_no	15890-40-1
LabResults	Cas_no	16066-10-7
LabResults	Cas_no	1617-18-1
LabResults	Cas_no	1632-16-2
LabResults	Cas_no	1632-70-8
LabResults	Cas_no	16327-22-3
LabResults	Cas_no	1634-04-4
LabResults	Cas_no	16491-15-9
LabResults	Cas_no	16746-87-5
LabResults	Cas_no	16747-26-5
LabResults	Cas_no	1678-91-7
LabResults	Cas_no	1678-92-8
LabResults	Cas_no	1678-93-9
LabResults	Cas_no	1685
LabResults	Cas_no	16984-48-8
LabResults	Cas_no	17057-82-8
LabResults	Cas_no	17060-07-0
LabResults	Cas_no	1708-29-8
LabResults	Cas_no	1718-51-0
LabResults	Cas_no	1718-52-1
LabResults	Cas_no	1719-06-8
LabResults	Cas_no	17301-22-3
LabResults	Cas_no	17301-23-4
LabResults	Cas_no	17301-27-8
LabResults	Cas_no	17301-28-9
LabResults	Cas_no	17301-30-3
LabResults	Cas_no	17301-32-5

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	17301-94-9
LabResults	Cas_no	17302-28-2
LabResults	Cas_no	17302-32-8
LabResults	Cas_no	1730-37-6
LabResults	Cas_no	17312-50-4
LabResults	Cas_no	17312-80-0
LabResults	Cas_no	17312-82-2
LabResults	Cas_no	17312-83-3
LabResults	Cas_no	17453-93-9
LabResults	Cas_no	1758-88-9
LabResults	Cas_no	1759-53-1
LabResults	Cas_no	1759-58-6
LabResults	Cas_no	1795-09-1
LabResults	Cas_no	1795-21-7
LabResults	Cas_no	1795-27-3
LabResults	Cas_no	179601-23-1
LabResults	Cas_no	18172-67-3
LabResults	Cas_no	1825-21-4
LabResults	Cas_no	1868-53-7
LabResults	Cas_no	191-07-1
LabResults	Cas_no	1912-24-9
LabResults	Cas_no	191-24-2
LabResults	Cas_no	1918-00-9
LabResults	Cas_no	1921-70-6
LabResults	Cas_no	192-97-2
LabResults	Cas_no	193-39-5
LabResults	Cas_no	19489-10-2
LabResults	Cas_no	19549-87-2
LabResults	Cas_no	19780-34-8
LabResults	Cas_no	19836-78-3
LabResults	Cas_no	198-55-0
LabResults	Cas_no	20063-92-7
LabResults	Cas_no	20333-39-5
LabResults	Cas_no	203-64-5
LabResults	Cas_no	2037-26-5
LabResults	Cas_no	20237-46-1
LabResults	Cas_no	2039-89-6
LabResults	Cas_no	2040-95-1
LabResults	Cas_no	2049-95-8
LabResults	Cas_no	2051-24-3
LabResults	Cas_no	2051-30-1
LabResults	Cas_no	205-99-2
LabResults	Cas_no	206-44-0
LabResults	Cas_no	207-08-9
LabResults	Cas_no	208-96-8
LabResults	Cas_no	2104-64-5
LabResults	Cas_no	21195-59-5

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	21328-57-4
LabResults	Cas_no	21382-98-9
LabResults	Cas_no	2179-60-4
LabResults	Cas_no	218-01-9
LabResults	Cas_no	2207-01-4
LabResults	Cas_no	2213-23-2
LabResults	Cas_no	2216-33-3
LabResults	Cas_no	2216-34-4
LabResults	Cas_no	22248-79-9
LabResults	Cas_no	2234-75-5
LabResults	Cas_no	224-10-2
LabResults	Cas_no	2245-38-7
LabResults	Cas_no	22610-14-6
LabResults	Cas_no	229-87-8
LabResults	Cas_no	2381-21-7
LabResults	Cas_no	2402-06-4
LabResults	Cas_no	2408-20-0
LabResults	Cas_no	2437-56-1
LabResults	Cas_no	2453-00-1
LabResults	Cas_no	24535-53-3
LabResults	Cas_no	2456-28-2
LabResults	Cas_no	2461-15-6
LabResults	Cas_no	2461-18-9
LabResults	Cas_no	2463-77-6
LabResults	Cas_no	24695-70-3
LabResults	Cas_no	2471-83-2
LabResults	Cas_no	24909-91-9
LabResults	Cas_no	24959-67-9
LabResults	Cas_no	2532-58-3
LabResults	Cas_no	25447-95-4
LabResults	Cas_no	2549-68-0
LabResults	Cas_no	25550-13-4
LabResults	Cas_no	25551-13-7
LabResults	Cas_no	264-09-5
LabResults	Cas_no	26635-64-3
LabResults	Cas_no	26914-17-0
LabResults	Cas_no	27133-93-3
LabResults	Cas_no	27208-37-3
LabResults	Cas_no	27831-13-6
LabResults	Cas_no	2870-04-4
LabResults	Cas_no	287-92-3
LabResults	Cas_no	2921-88-2
LabResults	Cas_no	2958-76-1
LabResults	Cas_no	298-00-0
LabResults	Cas_no	298-02-2
LabResults	Cas_no	298-04-4
LabResults	Cas_no	29812-79-1

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	29887-57-8
LabResults	Cas_no	29911-28-2
LabResults	Cas_no	29911-28-2-PK1
LabResults	Cas_no	29911-28-2-PK2
LabResults	Cas_no	299-84-3
LabResults	Cas_no	300-76-5
LabResults	Cas_no	30498-63-6
LabResults	Cas_no	30498-66-9
LabResults	Cas_no	3073-66-3
LabResults	Cas_no	3074-71-3
LabResults	Cas_no	308067-72-3
LabResults	Cas_no	308075-07-2
LabResults	Cas_no	309-00-2
LabResults	Cas_no	30995-64-3
LabResults	Cas_no	31081-18-2
LabResults	Cas_no	31295-56-4
LabResults	Cas_no	31502-14-4
LabResults	Cas_no	31711-53-2
LabResults	Cas_no	3178-24-3
LabResults	Cas_no	3178-29-8
LabResults	Cas_no	319-84-6
LabResults	Cas_no	319-85-7
LabResults	Cas_no	319-86-8
LabResults	Cas_no	321-60-8
LabResults	Cas_no	3221-61-2
LabResults	Cas_no	327-98-0
LabResults	Cas_no	33213-65-9
LabResults	Cas_no	3333-13-9
LabResults	Cas_no	333-41-5
LabResults	Cas_no	33467-76-4
LabResults	Cas_no	334-68-9
LabResults	Cas_no	335-57-9
LabResults	Cas_no	33617-38-8
LabResults	Cas_no	34064-86-3
LabResults	Cas_no	34643-46-4
LabResults	Cas_no	350-50-5
LabResults	Cas_no	35166-82-6
LabResults	Cas_no	3522-94-9
LabResults	Cas_no	35400-43-2
LabResults	Cas_no	3558-24-5
LabResults	Cas_no	3622-84-2
LabResults	Cas_no	3642-18-0
LabResults	Cas_no	3658-80-8
LabResults	Cas_no	36653-82-4
LabResults	Cas_no	367-12-4
LabResults	Cas_no	3689-24-5
LabResults	Cas_no	3728-54-9

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	3728-55-0
LabResults	Cas_no	37324-23-5
LabResults	Cas_no	3741-00-2
LabResults	Cas_no	3760-14-3
LabResults	Cas_no	3777-69-3
LabResults	Cas_no	3789-85-3
LabResults	Cas_no	381-88-4
LabResults	Cas_no	3848-36-0
LabResults	Cas_no	3855-82-1
LabResults	Cas_no	38667-10-6
LabResults	Cas_no	3875-51-2
LabResults	Cas_no	38851-70-6
LabResults	Cas_no	3891-98-3
LabResults	Cas_no	3892-00-0
LabResults	Cas_no	3913-02-8
LabResults	Cas_no	39638-32-9
LabResults	Cas_no	4032-86-4
LabResults	Cas_no	4050-45-7
LabResults	Cas_no	4076-36-2
LabResults	Cas_no	4110-44-5
LabResults	Cas_no	4127-45-1
LabResults	Cas_no	41446-66-6
LabResults	Cas_no	41637-90-5
LabResults	Cas_no	4165-60-0
LabResults	Cas_no	4165-62-2
LabResults	Cas_no	4170-30-3
LabResults	Cas_no	4181-95-7
LabResults	Cas_no	4182-41-6
LabResults	Cas_no	4291-79-6
LabResults	Cas_no	4292-92-6
LabResults	Cas_no	43133-95-5
LabResults	Cas_no	4544-26-7
LabResults	Cas_no	460-00-4
LabResults	Cas_no	463-58-1
LabResults	Cas_no	464-17-5
LabResults	Cas_no	464-48-2
LabResults	Cas_no	470-82-6
LabResults	Cas_no	471-62-5
LabResults	Cas_no	4806-61-5
LabResults	Cas_no	481-21-0
LabResults	Cas_no	483-65-8
LabResults	Cas_no	4850-28-6
LabResults	Cas_no	486-25-9
LabResults	Cas_no	488-23-3
LabResults	Cas_no	4889-83-2
LabResults	Cas_no	4901-51-3
LabResults	Cas_no	4920-99-4

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	4923-78-8
LabResults	Cas_no	4926-78-7
LabResults	Cas_no	493-02-7
LabResults	Cas_no	496-11-7
LabResults	Cas_no	49622-18-6
LabResults	Cas_no	4971-18-0
LabResults	Cas_no	502-41-0
LabResults	Cas_no	50-29-3
LabResults	Cas_no	50-32-8
LabResults	Cas_no	504-44-9
LabResults	Cas_no	5103-71-9
LabResults	Cas_no	5103-74-2
LabResults	Cas_no	51-28-5
LabResults	Cas_no	513-35-9
LabResults	Cas_no	513-42-8
LabResults	Cas_no	513-88-2
LabResults	Cas_no	515-84-4
LabResults	Cas_no	526-73-8
LabResults	Cas_no	527-53-7
LabResults	Cas_no	527-84-4
LabResults	Cas_no	529-20-4
LabResults	Cas_no	53252-21-4
LabResults	Cas_no	534-52-1
LabResults	Cas_no	53469-21-9
LabResults	Cas_no	53494-70-5
LabResults	Cas_no	535-15-9
LabResults	Cas_no	535-77-3
LabResults	Cas_no	53-70-3
LabResults	Cas_no	538-68-1
LabResults	Cas_no	53907-80-5
LabResults	Cas_no	53966-36-2
LabResults	Cas_no	540-36-3
LabResults	Cas_no	540-59-0
LabResults	Cas_no	504-60-9
LabResults	Cas_no	540-84-1
LabResults	Cas_no	541-02-6
LabResults	Cas_no	541-05-9
LabResults	Cas_no	541-73-1
LabResults	Cas_no	54308-64-4
LabResults	Cas_no	543-75-9
LabResults	Cas_no	544-63-8
LabResults	Cas_no	544-76-3
LabResults	Cas_no	544-85-4
LabResults	Cas_no	5461-49-4
LabResults	Cas_no	54676-39-0
LabResults	Cas_no	54774-91-3
LabResults	Cas_no	5522-43-0

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	55-38-9
LabResults	Cas_no	554-14-3
LabResults	Cas_no	55429-29-3
LabResults	Cas_no	55429-85-1
LabResults	Cas_no	55471-01-7
LabResults	Cas_no	556-52-5
LabResults	Cas_no	5566-34-7
LabResults	Cas_no	556-67-2
LabResults	Cas_no	559-65-9
LabResults	Cas_no	560-21-4
LabResults	Cas_no	56114-69-3
LabResults	Cas_no	56-23-5
LabResults	Cas_no	56292-64-9
LabResults	Cas_no	56292-65-0
LabResults	Cas_no	563-45-1
LabResults	Cas_no	563-46-2
LabResults	Cas_no	563-58-6
LabResults	Cas_no	56-38-2
LabResults	Cas_no	564-02-3
LabResults	Cas_no	56-55-3
LabResults	Cas_no	565-59-3
LabResults	Cas_no	565-75-3
LabResults	Cas_no	56-72-4
LabResults	Cas_no	57-10-3
LabResults	Cas_no	57-11-4
LabResults	Cas_no	57-12-5
LabResults	Cas_no	573-98-8
LabResults	Cas_no	575-37-1
LabResults	Cas_no	575-43-9
LabResults	Cas_no	57-55-6
LabResults	Cas_no	577-11-7
LabResults	Cas_no	57-74-9
LabResults	Cas_no	581-40-8
LabResults	Cas_no	581-42-0
LabResults	Cas_no	58175-57-8
LabResults	Cas_no	582-16-1
LabResults	Cas_no	583-57-3
LabResults	Cas_no	58372-16-0
LabResults	Cas_no	583-78-8
LabResults	Cas_no	584-94-1
LabResults	Cas_no	585-74-0
LabResults	Cas_no	586-62-9
LabResults	Cas_no	5877-42-9
LabResults	Cas_no	58-89-9
LabResults	Cas_no	58-90-2
LabResults	Cas_no	589-34-4
LabResults	Cas_no	589-43-5

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	589-53-7
LabResults	Cas_no	589-81-1
LabResults	Cas_no	589-90-2
LabResults	Cas_no	590-18-1
LabResults	Cas_no	590-35-2
LabResults	Cas_no	590-66-9
LabResults	Cas_no	590-73-8
LabResults	Cas_no	5911-04-6
LabResults	Cas_no	591-21-9
LabResults	Cas_no	591-76-4
LabResults	Cas_no	591-78-6
LabResults	Cas_no	591-95-7
LabResults	Cas_no	592-13-2
LabResults	Cas_no	592-27-8
LabResults	Cas_no	592-41-6
LabResults	Cas_no	592-76-7
LabResults	Cas_no	592-77-8
LabResults	Cas_no	593-45-3
LabResults	Cas_no	593-49-7
LabResults	Cas_no	593-60-2
LabResults	Cas_no	593-63-5
LabResults	Cas_no	593-75-9
LabResults	Cas_no	594-20-7
LabResults	Cas_no	594-38-7
LabResults	Cas_no	594-82-1
LabResults	Cas_no	594-91-2
LabResults	Cas_no	59-50-7
LabResults	Cas_no	5989-27-5
LabResults	Cas_no	5989-54-8
LabResults	Cas_no	6004-38-2
LabResults	Cas_no	60-29-7
LabResults	Cas_no	6044-71-9
LabResults	Cas_no	60-51-5
LabResults	Cas_no	60-57-1
LabResults	Cas_no	606-20-2
LabResults	Cas_no	6069-98-3
LabResults	Cas_no	6089-09-4
LabResults	Cas_no	6094-02-6
LabResults	Cas_no	611-14-3
LabResults	Cas_no	6117-91-5
LabResults	Cas_no	61193-19-9
LabResults	Cas_no	6124-90-9
LabResults	Cas_no	613-12-7
LabResults	Cas_no	615-59-8
LabResults	Cas_no	616-38-6
LabResults	Cas_no	616-44-4
LabResults	Cas_no	6165-44-2

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	617-78-7
LabResults	Cas_no	617-92-5
LabResults	Cas_no	619-99-8
LabResults	Cas_no	620-14-4
LabResults	Cas_no	62016-14-2
LabResults	Cas_no	62016-28-8
LabResults	Cas_no	62016-37-9
LabResults	Cas_no	62108-23-0
LabResults	Cas_no	62108-25-2
LabResults	Cas_no	62108-32-1
LabResults	Cas_no	621-64-7
LabResults	Cas_no	62237-96-1
LabResults	Cas_no	62237-97-2
LabResults	Cas_no	62237-98-3
LabResults	Cas_no	62238-00-0
LabResults	Cas_no	62238-01-1
LabResults	Cas_no	622-96-8
LabResults	Cas_no	62338-09-4
LabResults	Cas_no	62338-47-0
LabResults	Cas_no	62338-57-2
LabResults	Cas_no	6236-88-0
LabResults	Cas_no	623-96-1
LabResults	Cas_no	624-29-3
LabResults	Cas_no	624-41-9
LabResults	Cas_no	624-64-6
LabResults	Cas_no	624-79-3
LabResults	Cas_no	624-92-0
LabResults	Cas_no	625-27-4
LabResults	Cas_no	62-53-3
LabResults	Cas_no	626-38-0
LabResults	Cas_no	626-77-7
LabResults	Cas_no	627-20-3
LabResults	Cas_no	62-73-7
LabResults	Cas_no	62-75-9
LabResults	Cas_no	628-63-7
LabResults	Cas_no	629-04-9
LabResults	Cas_no	629-50-5
LabResults	Cas_no	629-59-4
LabResults	Cas_no	629-62-9
LabResults	Cas_no	629-64-1
LabResults	Cas_no	629-76-5
LabResults	Cas_no	629-78-7
LabResults	Cas_no	629-92-5
LabResults	Cas_no	629-94-7
LabResults	Cas_no	629-97-0
LabResults	Cas_no	629-99-2
LabResults	Cas_no	630-01-3

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	630-02-4
LabResults	Cas_no	630-03-5
LabResults	Cas_no	630-04-6
LabResults	Cas_no	630-05-7
LabResults	Cas_no	630-06-8
LabResults	Cas_no	630-07-9
LabResults	Cas_no	630-19-3
LabResults	Cas_no	630-20-6
LabResults	Cas_no	63335-87-5
LabResults	Cas_no	63466-71-7
LabResults	Cas_no	637-92-3
LabResults	Cas_no	638-04-0
LabResults	Cas_no	638-36-8
LabResults	Cas_no	638-67-5
LabResults	Cas_no	638-68-6
LabResults	Cas_no	64-17-5
LabResults	Cas_no	6434-77-1
LabResults	Cas_no	6434-78-2
LabResults	Cas_no	6443-92-1
LabResults	Cas_no	646-04-8
LabResults	Cas_no	646-31-1
LabResults	Cas_no	64743-03-9
LabResults	Cas_no	65051-83-4
LabResults	Cas_no	6515-38-4
LabResults	Cas_no	65-85-0
LabResults	Cas_no	66-25-1
LabResults	Cas_no	67078-75-5
LabResults	Cas_no	67-56-1
LabResults	Cas_no	67-63-0
LabResults	Cas_no	67-64-1
LabResults	Cas_no	67-66-3
LabResults	Cas_no	67-71-0
LabResults	Cas_no	67-72-1
LabResults	Cas_no	678-26-2
LabResults	Cas_no	68-12-2
LabResults	Cas_no	68334-30-5
LabResults	Cas_no	68595-79-9
LabResults	Cas_no	6876-23-9
LabResults	Cas_no	691-37-2
LabResults	Cas_no	6923-22-4
LabResults	Cas_no	693-58-3
LabResults	Cas_no	693-62-9
LabResults	Cas_no	696-29-7
LabResults	Cas_no	6975-98-0
LabResults	Cas_no	700-12-9
LabResults	Cas_no	7005-72-3
LabResults	Cas_no	700-73-2

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	70551-84-7
LabResults	Cas_no	7094-26-0
LabResults	Cas_no	7094-27-1
LabResults	Cas_no	71-23-8
LabResults	Cas_no	7132-64-1
LabResults	Cas_no	71-36-3
LabResults	Cas_no	71-43-2
LabResults	Cas_no	7146-60-3
LabResults	Cas_no	7154-80-5
LabResults	Cas_no	71-55-6
LabResults	Cas_no	7194-84-5
LabResults	Cas_no	7194-85-6
LabResults	Cas_no	7194-86-7
LabResults	Cas_no	7206-13-5
LabResults	Cas_no	72-20-8
LabResults	Cas_no	72218-58-7
LabResults	Cas_no	7239-23-8
LabResults	Cas_no	72-43-5
LabResults	Cas_no	72-54-8
LabResults	Cas_no	72-55-9
LabResults	Cas_no	7297-45-2
LabResults	Cas_no	7320-37-8
LabResults	Cas_no	7357-93-9
LabResults	Cas_no	7421-93-4
LabResults	Cas_no	7423-69-0
LabResults	Cas_no	7429-90-5
LabResults	Cas_no	7439-89-6
LabResults	Cas_no	7439-92-1
LabResults	Cas_no	7439-93-2
LabResults	Cas_no	7439-95-4
LabResults	Cas_no	7439-96-5
LabResults	Cas_no	7439-97-6
LabResults	Cas_no	7439-98-7
LabResults	Cas_no	7440-02-0
LabResults	Cas_no	7440-09-7
LabResults	Cas_no	7440-22-4
LabResults	Cas_no	7440-23-5
LabResults	Cas_no	7440-24-6
LabResults	Cas_no	7440-28-0
LabResults	Cas_no	7440-31-5
LabResults	Cas_no	7440-32-6
LabResults	Cas_no	7440-36-0
LabResults	Cas_no	7440-38-2
LabResults	Cas_no	7440-39-3
LabResults	Cas_no	7440-41-7
LabResults	Cas_no	7440-42-8
LabResults	Cas_no	7440-43-9

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	7440-44-0
LabResults	Cas_no	7440-47-3
LabResults	Cas_no	7440-48-4
LabResults	Cas_no	7440-50-8
LabResults	Cas_no	7440-62-2
LabResults	Cas_no	7440-65-5
LabResults	Cas_no	7440-66-6
LabResults	Cas_no	7440-70-2
LabResults	Cas_no	7459-71-4
LabResults	Cas_no	74630-47-0
LabResults	Cas_no	74630-52-7
LabResults	Cas_no	74630-65-2
LabResults	Cas_no	74645-98-0
LabResults	Cas_no	74-83-9
LabResults	Cas_no	74-84-0
LabResults	Cas_no	74-85-1
LabResults	Cas_no	74-86-2
LabResults	Cas_no	74-87-3
LabResults	Cas_no	74-88-4
LabResults	Cas_no	74-95-3
LabResults	Cas_no	74-96-4
LabResults	Cas_no	74-97-5
LabResults	Cas_no	74-98-6
LabResults	Cas_no	74-99-7
LabResults	Cas_no	75-00-3
LabResults	Cas_no	75-01-4
LabResults	Cas_no	75-04-7
LabResults	Cas_no	75-05-8
LabResults	Cas_no	75-07-0
LabResults	Cas_no	75-09-2
LabResults	Cas_no	75-15-0
LabResults	Cas_no	75-18-3
LabResults	Cas_no	75-21-8
LabResults	Cas_no	75-25-2
LabResults	Cas_no	75-26-3
LabResults	Cas_no	75-27-4
LabResults	Cas_no	75-28-5
LabResults	Cas_no	75-34-3
LabResults	Cas_no	75-35-4
LabResults	Cas_no	75-37-6
LabResults	Cas_no	75-38-7
LabResults	Cas_no	754-03-0
LabResults	Cas_no	7541-49-3
LabResults	Cas_no	75-43-4
LabResults	Cas_no	75-45-6
LabResults	Cas_no	75-50-3
LabResults	Cas_no	75-65-0

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	75-69-4
LabResults	Cas_no	75-71-8
LabResults	Cas_no	75-83-2
LabResults	Cas_no	75-99-0
LabResults	Cas_no	76-01-7
LabResults	Cas_no	760-21-4
LabResults	Cas_no	76-13-1
LabResults	Cas_no	76-14-2
LabResults	Cas_no	763-29-1
LabResults	Cas_no	7642-04-8
LabResults	Cas_no	7642-10-6
LabResults	Cas_no	764-35-2
LabResults	Cas_no	76-44-8
LabResults	Cas_no	764-97-6
LabResults	Cas_no	765-87-7
LabResults	Cas_no	7664-41-7
LabResults	Cas_no	7667-60-9
LabResults	Cas_no	767-58-8
LabResults	Cas_no	767-59-9
LabResults	Cas_no	767-99-7
LabResults	Cas_no	768-49-0
LabResults	Cas_no	7688-21-3
LabResults	Cas_no	7704-34-9
LabResults	Cas_no	7705-14-8
LabResults	Cas_no	7723-14-0
LabResults	Cas_no	7727-37-9
LabResults	Cas_no	7732-18-5
LabResults	Cas_no	77-47-4
LabResults	Cas_no	77764-90-0
LabResults	Cas_no	7782-44-7
LabResults	Cas_no	7782-49-2
LabResults	Cas_no	7782-50-5
LabResults	Cas_no	7782-50-5 (TOTAL)
LabResults	Cas_no	7783-06-4
LabResults	Cas_no	7785-26-4
LabResults	Cas_no	7786-34-7
LabResults	Cas_no	78-27-3
LabResults	Cas_no	78-59-1
LabResults	Cas_no	78-78-4
LabResults	Cas_no	78-79-5
LabResults	Cas_no	78-83-1
LabResults	Cas_no	78-85-3
LabResults	Cas_no	78-87-5
LabResults	Cas_no	78-93-3
LabResults	Cas_no	78-94-4
LabResults	Cas_no	79004-83-4
LabResults	Cas_no	79-00-5

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	79-01-6
LabResults	Cas_no	791-28-6
LabResults	Cas_no	79-14-1
LabResults	Cas_no	79-20-9
LabResults	Cas_no	79-24-3
LabResults	Cas_no	79-29-8
LabResults	Cas_no	79-34-5
LabResults	Cas_no	79-46-9
LabResults	Cas_no	79-92-5
LabResults	Cas_no	8001-35-2
LabResults	Cas_no	8002-05-9
LabResults	Cas_no	8006-61-9
LabResults	Cas_no	80-56-8
LabResults	Cas_no	80-62-6
LabResults	Cas_no	8065-48-3
LabResults	Cas_no	81103-79-9
LabResults	Cas_no	821-95-4
LabResults	Cas_no	822-50-4
LabResults	Cas_no	822-66-2
LabResults	Cas_no	82-68-8
LabResults	Cas_no	829-26-5
LabResults	Cas_no	83-08-9
LabResults	Cas_no	832-69-9
LabResults	Cas_no	83-32-9
LabResults	Cas_no	84-15-1
LabResults	Cas_no	84-65-1
LabResults	Cas_no	84-66-2
LabResults	Cas_no	84-74-2
LabResults	Cas_no	84-75-3
LabResults	Cas_no	85-01-8
LabResults	Cas_no	85-68-7
LabResults	Cas_no	86290-81-5
LabResults	Cas_no	86-30-6
LabResults	Cas_no	86-50-0
LabResults	Cas_no	86-73-7
LabResults	Cas_no	86-74-8
LabResults	Cas_no	871-83-0
LabResults	Cas_no	872-05-9
LabResults	Cas_no	872-55-9
LabResults	Cas_no	874-41-9
LabResults	Cas_no	874-90-8
LabResults	Cas_no	87-61-6
LabResults	Cas_no	87-68-3
LabResults	Cas_no	877-09-8
LabResults	Cas_no	87-86-5
LabResults	Cas_no	87-91-2
LabResults	Cas_no	88-06-2

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	88-74-4
LabResults	Cas_no	88-75-5
LabResults	Cas_no	88-85-7
LabResults	Cas_no	90-12-0
LabResults	Cas_no	91-17-8
LabResults	Cas_no	91-20-3
LabResults	Cas_no	91-57-6
LabResults	Cas_no	91-58-7
LabResults	Cas_no	91-59-8
LabResults	Cas_no	91-94-1
LabResults	Cas_no	923-26-2
LabResults	Cas_no	92-52-4
LabResults	Cas_no	928-68-7
LabResults	Cas_no	92-87-5
LabResults	Cas_no	930-18-7
LabResults	Cas_no	930-51-8
LabResults	Cas_no	933-98-2
LabResults	Cas_no	934-74-7
LabResults	Cas_no	934-80-5
LabResults	Cas_no	93-53-8
LabResults	Cas_no	93-55-0
LabResults	Cas_no	935-95-5
LabResults	Cas_no	93-65-2
LabResults	Cas_no	93-72-1
LabResults	Cas_no	93-76-5
LabResults	Cas_no	939-27-5
LabResults	Cas_no	93951-69-0
LabResults	Cas_no	93951-97-4
LabResults	Cas_no	94-74-6
LabResults	Cas_no	94-75-7
LabResults	Cas_no	94-82-6
LabResults	Cas_no	95-13-6
LabResults	Cas_no	95-15-8
LabResults	Cas_no	95-47-6
LabResults	Cas_no	95-48-7
LabResults	Cas_no	95-49-8
LabResults	Cas_no	95-50-1
LabResults	Cas_no	95-57-8
LabResults	Cas_no	95-63-6
LabResults	Cas_no	95-68-1
LabResults	Cas_no	95-93-2
LabResults	Cas_no	95-94-3
LabResults	Cas_no	95-95-4
LabResults	Cas_no	959-98-8
LabResults	Cas_no	96-12-8
LabResults	Cas_no	96-14-0
LabResults	Cas_no	96-18-4

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	96-33-3
LabResults	Cas_no	96-37-7
LabResults	Cas_no	97-63-2
LabResults	Cas_no	97-85-8
LabResults	Cas_no	97-87-0
LabResults	Cas_no	98-06-6
LabResults	Cas_no	98-08-8
LabResults	Cas_no	98-15-7
LabResults	Cas_no	98-56-6
LabResults	Cas_no	98-82-8
LabResults	Cas_no	98-83-9
LabResults	Cas_no	98-86-2
LabResults	Cas_no	98-95-3
LabResults	Cas_no	99-09-2
LabResults	Cas_no	994-05-8
LabResults	Cas_no	99-87-6
LabResults	Cas_no	ALK
LabResults	Cas_no	ALKANETOT
LabResults	Cas_no	APIGRAV
LabResults	Cas_no	AROMATICTOT
LabResults	Cas_no	BAROP
LabResults	Cas_no	BDO-1474
LabResults	Cas_no	BDO-1475
LabResults	Cas_no	BDO-1555
LabResults	Cas_no	BDO-389
LabResults	Cas_no	BDO-395
LabResults	Cas_no	BDO-420
LabResults	Cas_no	BDO-476
LabResults	Cas_no	BDO-477
LabResults	Cas_no	BDO-478
LabResults	Cas_no	BDO-479
LabResults	Cas_no	BDO-480
LabResults	Cas_no	BDO-481
LabResults	Cas_no	BDO-482
LabResults	Cas_no	BDO-483
LabResults	Cas_no	BDO-484
LabResults	Cas_no	BDO-485
LabResults	Cas_no	BDO-486
LabResults	Cas_no	BDO-487
LabResults	Cas_no	BDO-488
LabResults	Cas_no	BDO-489
LabResults	Cas_no	BDO-490
LabResults	Cas_no	BDO-491
LabResults	Cas_no	BDO-492
LabResults	Cas_no	BDO-493
LabResults	Cas_no	BDO-494
LabResults	Cas_no	BDO-495

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	BDO-496
LabResults	Cas_no	BDO-497
LabResults	Cas_no	BDO-498
LabResults	Cas_no	BDO-499
LabResults	Cas_no	BDO-500
LabResults	Cas_no	BDO-501
LabResults	Cas_no	BDO-502
LabResults	Cas_no	BDO-503
LabResults	Cas_no	BDO-504
LabResults	Cas_no	BDO-505
LabResults	Cas_no	BDO-506
LabResults	Cas_no	BDO-507
LabResults	Cas_no	BDO-508
LabResults	Cas_no	BDO-509
LabResults	Cas_no	BDO-510
LabResults	Cas_no	BDO-512
LabResults	Cas_no	BDO-513
LabResults	Cas_no	BDO-514
LabResults	Cas_no	BDO-515
LabResults	Cas_no	BDO-516
LabResults	Cas_no	BDO-517
LabResults	Cas_no	BDO-518
LabResults	Cas_no	BDO-519
LabResults	Cas_no	BDO-520
LabResults	Cas_no	BDO-521
LabResults	Cas_no	BDO-522
LabResults	Cas_no	BDO-523
LabResults	Cas_no	BDO-524
LabResults	Cas_no	BDO-525
LabResults	Cas_no	BDO-526
LabResults	Cas_no	BDO-527
LabResults	Cas_no	BDO-528
LabResults	Cas_no	BDO-529
LabResults	Cas_no	BDO-530
LabResults	Cas_no	BDO-533
LabResults	Cas_no	BDO-534
LabResults	Cas_no	BDO-535
LabResults	Cas_no	BDO-536
LabResults	Cas_no	BDO-537
LabResults	Cas_no	BDO-539
LabResults	Cas_no	BDO-540
LabResults	Cas_no	BDO-541
LabResults	Cas_no	BDO-542
LabResults	Cas_no	BDO-543
LabResults	Cas_no	BDO-544
LabResults	Cas_no	BDO-545
LabResults	Cas_no	BDO-546

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	BDO-547
LabResults	Cas_no	BDO-548
LabResults	Cas_no	BDO-549
LabResults	Cas_no	BDO-550
LabResults	Cas_no	BDO-551
LabResults	Cas_no	BDO-552
LabResults	Cas_no	BDO-553
LabResults	Cas_no	BDO-554
LabResults	Cas_no	BDO-565
LabResults	Cas_no	BDO-566
LabResults	Cas_no	BDO-567
LabResults	Cas_no	BDO-568
LabResults	Cas_no	BDO-569
LabResults	Cas_no	BDO-570
LabResults	Cas_no	BDO-571
LabResults	Cas_no	BENZ/CRYSC1
LabResults	Cas_no	BENZ/CRYSC2
LabResults	Cas_no	BENZ/CRYSC3
LabResults	Cas_no	BENZ/CRYSC4
LabResults	Cas_no	BOD
LabResults	Cas_no	BOD5
LabResults	Cas_no	C10H22
LabResults	Cas_no	C11H24
LabResults	Cas_no	Clay
LabResults	Cas_no	Clay_Control
LabResults	Cas_no	COLOR
LabResults	Cas_no	CRYSC2
LabResults	Cas_no	CRYSC3
LabResults	Cas_no	CRYSC4
LabResults	Cas_no	DBTC2
LabResults	Cas_no	DBTC3
LabResults	Cas_no	DBTC4
LabResults	Cas_no	DENSITY
LabResults	Cas_no	DH30
LabResults	Cas_no	Di74-83-9
LabResults	Cas_no	DISMRK1
LabResults	Cas_no	DISMRK2
LabResults	Cas_no	DISMRKTOT
LabResults	Cas_no	DISP
LabResults	Cas_no	DISS_OXYGEN
LabResults	Cas_no	DMC10N
LabResults	Cas_no	DMC8N
LabResults	Cas_no	DROC10C28
LabResults	Cas_no	DROC28C40
LabResults	Cas_no	DROC6C10
LabResults	Cas_no	E1640549
LabResults	Cas_no	E1641638

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	E17075045-1380
LabResults	Cas_no	E17075045-1470
LabResults	Cas_no	E17075466
LabResults	Cas_no	E17148362
LabResults	Cas_no	E1852623
LabResults	Cas_no	E1852623 (Control)
LabResults	Cas_no	E1852623 (Sample)
LabResults	Cas_no	E1853597
LabResults	Cas_no	E1853597-HIGH
LabResults	Cas_no	E1853597-LOW
LabResults	Cas_no	E1892462
LabResults	Cas_no	E1896406
LabResults	Cas_no	E1896422 (Control)
LabResults	Cas_no	E1896422 (Sample)
LabResults	Cas_no	E1903954
LabResults	Cas_no	E1928233
LabResults	Cas_no	E1944156
LabResults	Cas_no	E1972785
LabResults	Cas_no	E1972785 (Control)
LabResults	Cas_no	E1972785 (Sample)
LabResults	Cas_no	E52450939
LabResults	Cas_no	E701045
LabResults	Cas_no	E701268
LabResults	Cas_no	ECOLIFORM
LabResults	Cas_no	EDF-213
LabResults	Cas_no	FECCOLIFORM
LabResults	Cas_no	FLASHPT
LabResults	Cas_no	FLC2
LabResults	Cas_no	FLC3
LabResults	Cas_no	FLIQUIDS
LabResults	Cas_no	FLUOR/PYRC2
LabResults	Cas_no	FLUOR/PYRC3
LabResults	Cas_no	FLUOR/PYRC4
LabResults	Cas_no	GIS-210-011
LabResults	Cas_no	GS.0015mm
LabResults	Cas_no	GS.001mm
LabResults	Cas_no	GS.002mm
LabResults	Cas_no	GS.005mm
LabResults	Cas_no	GS.015mm
LabResults	Cas_no	GS.02mm
LabResults	Cas_no	GS.03mm
LabResults	Cas_no	GS.05mm
LabResults	Cas_no	GS.064mm
LabResults	Cas_no	GS.075mm
LabResults	Cas_no	GS.375in
LabResults	Cas_no	GS.3mm
LabResults	Cas_no	GS.6mm

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	GS.75in
LabResults	Cas_no	GS1.18mm
LabResults	Cas_no	GS1.5in
LabResults	Cas_no	GS19mm
LabResults	Cas_no	GS2.36mm
LabResults	Cas_no	GS2mm
LabResults	Cas_no	GS3.35mm
LabResults	Cas_no	GS37.5mm
LabResults	Cas_no	GS3in
LabResults	Cas_no	GS4.75mm
LabResults	Cas_no	GS75mm
LabResults	Cas_no	H2O_Control
LabResults	Cas_no	HARD
LabResults	Cas_no	KN
LabResults	Cas_no	MC10N
LabResults	Cas_no	MC7N
LabResults	Cas_no	MEC11N
LabResults	Cas_no	MOILC20C34
LabResults	Cas_no	MORT
LabResults	Cas_no	NAPHC1
LabResults	Cas_no	NAPHC2
LabResults	Cas_no	NAPHC3
LabResults	Cas_no	NIST-48105
LabResults	Cas_no	NIST-51305
LabResults	Cas_no	NIST-53158
LabResults	Cas_no	NPHC2
LabResults	Cas_no	NPHC3
LabResults	Cas_no	NPHC4
LabResults	Cas_no	NVF
LabResults	Cas_no	OILGREASE
LabResults	Cas_no	OILGREASEHEM
LabResults	Cas_no	ORO
LabResults	Cas_no	OROC19C36
LabResults	Cas_no	OROC28C35
LabResults	Cas_no	OROC28C40
LabResults	Cas_no	PFT
LabResults	Cas_no	PH
LabResults	Cas_no	PHC2840
LabResults	Cas_no	PHC940
LabResults	Cas_no	PHCC10C12AL
LabResults	Cas_no	PHCC10C12AR
LabResults	Cas_no	PHCC12C16AL
LabResults	Cas_no	PHCC12C16AR
LabResults	Cas_no	PHCC16C21AR
LabResults	Cas_no	PHCC16C35AL
LabResults	Cas_no	PHCC21C35AR
LabResults	Cas_no	PHCC5C6AL

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	PHCC5C7AR
LabResults	Cas_no	PHCC6C8AL
LabResults	Cas_no	PHCC7C8AR
LabResults	Cas_no	PHCC8C10AL
LabResults	Cas_no	PHCC8C10AR
LabResults	Cas_no	PHEN/ANTHC1
LabResults	Cas_no	PHEN/ANTHC2
LabResults	Cas_no	PHEN/ANTHC3
LabResults	Cas_no	PHEN/ANTHC4
LabResults	Cas_no	PHENC2
LabResults	Cas_no	PHENC3
LabResults	Cas_no	PHENC4
LabResults	Cas_no	Pink Shrimp_C
LabResults	Cas_no	Pink Shrimp_S
LabResults	Cas_no	POURPOINT
LabResults	Cas_no	PYRC1
LabResults	Cas_no	PYRC2
LabResults	Cas_no	PYRC3
LabResults	Cas_no	PYRC4
LabResults	Cas_no	R4-6501
LabResults	Cas_no	R4-8000781
LabResults	Cas_no	RFLUID
LabResults	Cas_no	SAL
LabResults	Cas_no	Sand_Control
LabResults	Cas_no	SG
LabResults	Cas_no	Silt_Control
LabResults	Cas_no	SNMOC
LabResults	Cas_no	SREAC
LabResults	Cas_no	STORET 006
LabResults	Cas_no	SUMUNK
LabResults	Cas_no	TEMP
LabResults	Cas_no	THC
LabResults	Cas_no	TIC
LabResults	Cas_no	TIC-1
LabResults	Cas_no	TIC-10
LabResults	Cas_no	TIC-11
LabResults	Cas_no	TIC-12
LabResults	Cas_no	TIC-13
LabResults	Cas_no	TIC-14
LabResults	Cas_no	TIC-15
LabResults	Cas_no	TIC-16
LabResults	Cas_no	TIC-17
LabResults	Cas_no	TIC-18
LabResults	Cas_no	TIC-19
LabResults	Cas_no	TIC-2
LabResults	Cas_no	TIC-20
LabResults	Cas_no	TIC-21

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	TIC-22
LabResults	Cas_no	TIC-23
LabResults	Cas_no	TIC-24
LabResults	Cas_no	TIC-25
LabResults	Cas_no	TIC-26
LabResults	Cas_no	TIC-27
LabResults	Cas_no	TIC-3
LabResults	Cas_no	TIC-4
LabResults	Cas_no	TIC-5
LabResults	Cas_no	TIC-6
LabResults	Cas_no	TIC-7
LabResults	Cas_no	TIC-8
LabResults	Cas_no	TIC-9
LabResults	Cas_no	TNMOC
LabResults	Cas_no	TOC
LabResults	Cas_no	TOC_Control
LabResults	Cas_no	TOTALSED
LabResults	Cas_no	TOTBTEX
LabResults	Cas_no	TOTCOLIFORM
LabResults	Cas_no	TOTNH3
LabResults	Cas_no	TOTRSHCC9C40
LabResults	Cas_no	TOTSHC
LabResults	Cas_no	TOTVOCHEP
LabResults	Cas_no	TPAH
LabResults	Cas_no	TPH(Diesel)
LabResults	Cas_no	TPH(Oil)
LabResults	Cas_no	TPHPRO
LabResults	Cas_no	Tri74-83-9
LabResults	Cas_no	TRPH
LabResults	Cas_no	TSS
LabResults	Cas_no	TURB
LabResults	Cas_no	UBH
LabResults	Cas_no	UBH-2
LabResults	Cas_no	UBH-3
LabResults	Cas_no	UBH-4
LabResults	Cas_no	UNK
LabResults	Cas_no	UNK-1
LabResults	Cas_no	UNK-2
LabResults	Cas_no	UNKC7H10HYDROCARB
LabResults	Cas_no	UNKCYCHYDROCARB
LabResults	Cas_no	UNKFLUOROCARB
LabResults	Cas_no	UNKHOPANE1
LabResults	Cas_no	UNKHOPANE2
LabResults	Cas_no	UNKHYDROCARB
LabResults	Cas_no	UNKNHYDROCARB
LabResults	Cas_no	UNKNSCOMP
LabResults	Cas_no	VISC 122F

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Cas_no	VISCKIN50C
LabResults	Cas_no	VS
LabResults	Cas_no	VS_Control
SamplesWater	ConductUnits	mS/cm
SamplesWater	ConductUnits	s/cm2
SamplesWater	ConductUnits	uS/cm
Location	Datum	NAD27
Location	Datum	NAD83
Location	Datum	WGS84
LabResults	Detected	N
LabResults	Detected	Y
SamplesWater	Diss02Units	mg/L
LabResults	Final_Volume_Unit	g
LabResults	Final_Volume_Unit	m³
LabResults	Final_Volume_Unit	mL
SamplesAir	Flow_Units	cc/min
SamplesAir	Flow_Units	0
SamplesAir	Flow_Units	mL/MIN
SamplesAir	Flow_Units	L/min
Location	GeoMethod	GPS
Instruments	Instrument_Type	AreaRae
Instruments	Instrument_Type	DataRam 4
Instruments	Instrument_Type	EBAM
Instruments	Instrument_Type	MiniRAE
Instruments	Instrument_Type	MultiRae
Instruments	Instrument_Type	AM510
Instruments	Instrument_Type	AM510 w/ Cyclone
Instruments	Instrument_Type	DataRam
Instruments	Instrument_Type	Dusttrak DRX
Instruments	Instrument_Type	gastec
Instruments	Instrument_Type	Hach 2100Q
Instruments	Instrument_Type	Nasal Ranger
Instruments	Instrument_Type	ppbRAE
Instruments	Instrument_Type	Sonde-Meter
Instruments	Instrument_Type	Teledyne API 101E
Instruments	Instrument_Type	UltraRAE
Instruments	Instrument_Type	YSI Multiprobe
Instruments	Instrument_Type	pDR
LabResults	Lab_Name	ACCUTEST
LabResults	Lab_Name	ADEM - CENTRAL LAB
LabResults	Lab_Name	ADEM - MOBILE LAB
LabResults	Lab_Name	Air Toxics Ltd
LabResults	Lab_Name	ALS Houston
LabResults	Lab_Name	ALS Fort Collins
LabResults	Lab_Name	ALS Holland MI
LabResults	Lab_Name	ALS Salt Lake City
LabResults	Lab_Name	ARIS Laboratories

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Lab_Name	Battelle
LabResults	Lab_Name	Bio-Aquatic Testing, Inc.
LabResults	Lab_Name	Bureau Veritas
LabResults	Lab_Name	Center for Ecological Sciences
LabResults	Lab_Name	Chester Lab Net OR
LabResults	Lab_Name	Chester Lab Net VT
LabResults	Lab_Name	C-K Associates
LabResults	Lab_Name	Columbia Analytical Svcs
LabResults	Lab_Name	Eastern Research Group
LabResults	Lab_Name	eLab Houston
LabResults	Lab_Name	EnviroChem Inc
LabResults	Lab_Name	Environmental Enterprises
LabResults	Lab_Name	Envirosystems, Inc.
LabResults	Lab_Name	ERT/SERAS
LabResults	Lab_Name	FDEP Central Laboratory
LabResults	Lab_Name	Galson Laboratories
LabResults	Lab_Name	Gulf Coast Analytical Labs
LabResults	Lab_Name	Lancaster Laboratories
LabResults	Lab_Name	Louisiana State University Laboratory
LabResults	Lab_Name	Micro Methods Laboratory Inc
LabResults	Lab_Name	Pace Minnesota
LabResults	Lab_Name	Pace New Orleans
LabResults	Lab_Name	PBS&J
LabResults	Lab_Name	Severn-Trent Laboratory, Denver, CO
LabResults	Lab_Name	Sherry Laboratories
LabResults	Lab_Name	Spectra Labs
LabResults	Lab_Name	SPL Houston
LabResults	Lab_Name	SPL Lafayette
LabResults	Lab_Name	Springborn Smithers Laboratory
LabResults	Lab_Name	TAGA
LabResults	Lab_Name	TCEQ Houston Laboratory
LabResults	Lab_Name	Test America Mobile
LabResults	Lab_Name	Test America Austin
LabResults	Lab_Name	Test America Burlington
LabResults	Lab_Name	Test America Houma
LabResults	Lab_Name	Test America Nashville
LabResults	Lab_Name	Test America Pensacola
LabResults	Lab_Name	Test America Phoenix
LabResults	Lab_Name	Test America Tallahassee
LabResults	Lab_Name	Test America University Park
LabResults	Lab_Name	Test America Denver, Arvada, CO
LabResults	Lab_Name	USGS Water Resources Discipline
LabResults	Lab_Name	USEPA Region 4 SESD
LabResults	Lab_Name	USEPA Region 5 Chicago Laboratory
LabResults	Lab_Name	USEPA Region 6 Houston Laboratory
LabResults	Lab_Name	USGS Carbon Research Lab, Boulder, CO
LabResults	Lab_Name	USGS Sediment-partitioning Research Lab, GA

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Lab_Name	USGS National Water Quality Lab, Denver, CO
LabResults	Lab_Name	Weston Solutions Inc
LabResults	Lab_Result_Qualifier	*
LabResults	Lab_Result_Qualifier	*B
LabResults	Lab_Result_Qualifier	^
LabResults	Lab_Result_Qualifier	<
LabResults	Lab_Result_Qualifier	>
LabResults	Lab_Result_Qualifier	>J
LabResults	Lab_Result_Qualifier	A
LabResults	Lab_Result_Qualifier	A11
LabResults	Lab_Result_Qualifier	A11B
LabResults	Lab_Result_Qualifier	A21
LabResults	Lab_Result_Qualifier	A25
LabResults	Lab_Result_Qualifier	B
LabResults	Lab_Result_Qualifier	B^
LabResults	Lab_Result_Qualifier	B2D1
LabResults	Lab_Result_Qualifier	BD
LabResults	Lab_Result_Qualifier	BJ
LabResults	Lab_Result_Qualifier	BJ+
LabResults	Lab_Result_Qualifier	BT
LabResults	Lab_Result_Qualifier	BV
LabResults	Lab_Result_Qualifier	Cra
LabResults	Lab_Result_Qualifier	D
LabResults	Lab_Result_Qualifier	D1
LabResults	Lab_Result_Qualifier	D2
LabResults	Lab_Result_Qualifier	D2N
LabResults	Lab_Result_Qualifier	DJ
LabResults	Lab_Result_Qualifier	E
LabResults	Lab_Result_Qualifier	EB
LabResults	Lab_Result_Qualifier	ED1
LabResults	Lab_Result_Qualifier	ED6
LabResults	Lab_Result_Qualifier	Fail
LabResults	Lab_Result_Qualifier	H
LabResults	Lab_Result_Qualifier	HH
LabResults	Lab_Result_Qualifier	HU
LabResults	Lab_Result_Qualifier	I
LabResults	Lab_Result_Qualifier	IJ
LabResults	Lab_Result_Qualifier	IN
LabResults	Lab_Result_Qualifier	IV
LabResults	Lab_Result_Qualifier	IY
LabResults	Lab_Result_Qualifier	J
LabResults	Lab_Result_Qualifier	J-
LabResults	Lab_Result_Qualifier	J*
LabResults	Lab_Result_Qualifier	J*B
LabResults	Lab_Result_Qualifier	J+
LabResults	Lab_Result_Qualifier	JB
LabResults	Lab_Result_Qualifier	JB*

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Lab_Result_Qualifier	JCRaQ-2
LabResults	Lab_Result_Qualifier	JCRQ-2
LabResults	Lab_Result_Qualifier	JCRQ-2Q
LabResults	Lab_Result_Qualifier	JCRQC-2
LabResults	Lab_Result_Qualifier	JD-2
LabResults	Lab_Result_Qualifier	JD-2Q-2
LabResults	Lab_Result_Qualifier	JE
LabResults	Lab_Result_Qualifier	JH
LabResults	Lab_Result_Qualifier	JH-7
LabResults	Lab_Result_Qualifier	JJ
LabResults	Lab_Result_Qualifier	JK
LabResults	Lab_Result_Qualifier	JL
LabResults	Lab_Result_Qualifier	JME
LabResults	Lab_Result_Qualifier	JQ-2
LabResults	Lab_Result_Qualifier	JQ-2QC-1
LabResults	Lab_Result_Qualifier	JQ-2QC-2
LabResults	Lab_Result_Qualifier	JQ-2QC-5
LabResults	Lab_Result_Qualifier	JQ-2QC-6
LabResults	Lab_Result_Qualifier	JQ-2QL-1
LabResults	Lab_Result_Qualifier	JQ-2QL-2
LabResults	Lab_Result_Qualifier	JQ-2QM-3
LabResults	Lab_Result_Qualifier	JQ-2QM-4
LabResults	Lab_Result_Qualifier	JQ-2QR-1
LabResults	Lab_Result_Qualifier	JQ-2QR-2
LabResults	Lab_Result_Qualifier	JQ-2QS-5
LabResults	Lab_Result_Qualifier	JQ-6
LabResults	Lab_Result_Qualifier	JQC-1
LabResults	Lab_Result_Qualifier	JQC-2
LabResults	Lab_Result_Qualifier	JQC-2QC-
LabResults	Lab_Result_Qualifier	JQC-2QL-
LabResults	Lab_Result_Qualifier	JQC-4
LabResults	Lab_Result_Qualifier	JQC-6QI-
LabResults	Lab_Result_Qualifier	JQC-6QL-
LabResults	Lab_Result_Qualifier	JQI-1
LabResults	Lab_Result_Qualifier	JQL-1
LabResults	Lab_Result_Qualifier	JQL-2QR-
LabResults	Lab_Result_Qualifier	JQM-1
LabResults	Lab_Result_Qualifier	JQM-1QM-
LabResults	Lab_Result_Qualifier	JQM-2
LabResults	Lab_Result_Qualifier	JQM-2QM-
LabResults	Lab_Result_Qualifier	JQM-3
LabResults	Lab_Result_Qualifier	JQM-4
LabResults	Lab_Result_Qualifier	JQR-1
LabResults	Lab_Result_Qualifier	JQR-2
LabResults	Lab_Result_Qualifier	JT
LabResults	Lab_Result_Qualifier	JU
LabResults	Lab_Result_Qualifier	JV

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Lab_Result_Qualifier	JX
LabResults	Lab_Result_Qualifier	K
LabResults	Lab_Result_Qualifier	L
LabResults	Lab_Result_Qualifier	M1
LabResults	Lab_Result_Qualifier	M2
LabResults	Lab_Result_Qualifier	M5
LabResults	Lab_Result_Qualifier	ME
LabResults	Lab_Result_Qualifier	N
LabResults	Lab_Result_Qualifier	NJ
LabResults	Lab_Result_Qualifier	No Flash
LabResults	Lab_Result_Qualifier	O
LabResults	Lab_Result_Qualifier	PASS
LabResults	Lab_Result_Qualifier	Q-2
LabResults	Lab_Result_Qualifier	R
LabResults	Lab_Result_Qualifier	T
LabResults	Lab_Result_Qualifier	TJ
LabResults	Lab_Result_Qualifier	TJN
LabResults	Lab_Result_Qualifier	U
LabResults	Lab_Result_Qualifier	U^
LabResults	Lab_Result_Qualifier	U*
LabResults	Lab_Result_Qualifier	U^*
LabResults	Lab_Result_Qualifier	UA20
LabResults	Lab_Result_Qualifier	UA21
LabResults	Lab_Result_Qualifier	UB
LabResults	Lab_Result_Qualifier	UB-2
LabResults	Lab_Result_Qualifier	UC4C
LabResults	Lab_Result_Qualifier	UD1
LabResults	Lab_Result_Qualifier	UD2
LabResults	Lab_Result_Qualifier	UD2M2
LabResults	Lab_Result_Qualifier	UD2N
LabResults	Lab_Result_Qualifier	UD2P1
LabResults	Lab_Result_Qualifier	UD2P2
LabResults	Lab_Result_Qualifier	UD-4
LabResults	Lab_Result_Qualifier	UD6
LabResults	Lab_Result_Qualifier	UE
LabResults	Lab_Result_Qualifier	UH
LabResults	Lab_Result_Qualifier	UH*
LabResults	Lab_Result_Qualifier	UH^
LabResults	Lab_Result_Qualifier	UH-4
LabResults	Lab_Result_Qualifier	UJ
LabResults	Lab_Result_Qualifier	UJB-2C-
LabResults	Lab_Result_Qualifier	UJB-2H-
LabResults	Lab_Result_Qualifier	UJB-2Q-
LabResults	Lab_Result_Qualifier	UJB-2QS
LabResults	Lab_Result_Qualifier	UJC-2H-
LabResults	Lab_Result_Qualifier	UJH-4
LabResults	Lab_Result_Qualifier	UJH-4QC

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Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Lab_Result_Qualifier	UJH-7
LabResults	Lab_Result_Qualifier	UJH-7QM
LabResults	Lab_Result_Qualifier	UJQ-6
LabResults	Lab_Result_Qualifier	UJQC-1
LabResults	Lab_Result_Qualifier	UJQC-1Q
LabResults	Lab_Result_Qualifier	UJQC-3
LabResults	Lab_Result_Qualifier	UJQC-3Q
LabResults	Lab_Result_Qualifier	UJQC-5
LabResults	Lab_Result_Qualifier	UJQC-6
LabResults	Lab_Result_Qualifier	UJQI-1
LabResults	Lab_Result_Qualifier	UJQI-1Q
LabResults	Lab_Result_Qualifier	UJQL-1
LabResults	Lab_Result_Qualifier	UJQL-1Q
LabResults	Lab_Result_Qualifier	UJQM-1
LabResults	Lab_Result_Qualifier	UJQM-1Q
LabResults	Lab_Result_Qualifier	UJQM-3
LabResults	Lab_Result_Qualifier	UJQM-6
LabResults	Lab_Result_Qualifier	UJQR-1
LabResults	Lab_Result_Qualifier	UJQR-2
LabResults	Lab_Result_Qualifier	UJQS-3
LabResults	Lab_Result_Qualifier	UJQS-5
LabResults	Lab_Result_Qualifier	UL
LabResults	Lab_Result_Qualifier	UM1
LabResults	Lab_Result_Qualifier	UM2
LabResults	Lab_Result_Qualifier	UM3
LabResults	Lab_Result_Qualifier	UM5
LabResults	Lab_Result_Qualifier	UME
LabResults	Lab_Result_Qualifier	UN
LabResults	Lab_Result_Qualifier	UO
LabResults	Lab_Result_Qualifier	UP2
LabResults	Lab_Result_Qualifier	UQ
LabResults	Lab_Result_Qualifier	UQ-2
LabResults	Lab_Result_Qualifier	UQC-1
LabResults	Lab_Result_Qualifier	UQC-6
LabResults	Lab_Result_Qualifier	UQL-1
LabResults	Lab_Result_Qualifier	URL
LabResults	Lab_Result_Qualifier	UT
LabResults	Lab_Result_Qualifier	UV
LabResults	Lab_Result_Qualifier	UY
LabResults	Lab_Result_Qualifier	V
LabResults	Lab_Result_Qualifier	X
LabResults	Lab_Result_Qualifier	Y
Location	Latitude	0
Location	LocationZone	AL
Location	LocationZone	Bay St. Louis, MS
Location	LocationZone	Bayou La Batre, AL
Location	LocationZone	Biloxi, MS

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Primary Scribe Table	Scribe Field Name	Valid Value
Location	LocationZone	Bon Secour Bay, AL
Location	LocationZone	Carabelle, FL
Location	LocationZone	Chalmette, LA
Location	LocationZone	Cocodrie, LA
Location	LocationZone	Cotton Bayou, AL
Location	LocationZone	Daphne, AL
Location	LocationZone	Dauphin Island, AL
Location	LocationZone	Destin, FL
Location	LocationZone	D'Iberville, MS
Location	LocationZone	Dog River, AL
Location	LocationZone	Fairhope, AL
Location	LocationZone	FL
Location	LocationZone	Foley, AL
Location	LocationZone	Fort Morgan, AL
Location	LocationZone	Fort Pickens, FL
Location	LocationZone	Fort Walton, FL
Location	LocationZone	Fowl River, AL
Location	LocationZone	Gautier, MS
Location	LocationZone	Golden Meadows, LA
Location	LocationZone	Grand Isle, LA
Location	LocationZone	Gulf Breeze, FL
Location	LocationZone	Gulf of Mexico
Location	LocationZone	Gulf Shores, AL
Location	LocationZone	Gulfport, MS
Location	LocationZone	Heron Bay, AL
Location	LocationZone	Hopedale, LA
Location	LocationZone	LA
Location	LocationZone	Lafitte, LA
Location	LocationZone	Laguna Beach, FL
Location	LocationZone	Lillian, AL
Location	LocationZone	Long Beach, MS
Location	LocationZone	Lower Grand Lagoon, FL
Location	LocationZone	Mary Esther, FL
Location	LocationZone	Mexico Beach, FL
Location	LocationZone	Miramar Beach, FL
Location	LocationZone	Mobile Bay, AL
Location	LocationZone	Mobile, AL
Location	LocationZone	MS
Location	LocationZone	MS Sound, MS
Location	LocationZone	Navarre Beach, FL
Location	LocationZone	Ocean Springs, MS
Location	LocationZone	Off-shore
Location	LocationZone	Ono Island, AL
Location	LocationZone	Orange Beach, AL
Location	LocationZone	Panama City, FL
Location	LocationZone	Pascagoula, MS
Location	LocationZone	Pass Christian, MS

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Primary Scribe Table	Scribe Field Name	Valid Value
Location	LocationZone	Pearl River, MS
Location	LocationZone	Pearlington, MS
Location	LocationZone	Pensacola Bay, FL
Location	LocationZone	Pensacola NAS, FL
Location	LocationZone	Pensacola, FL
Location	LocationZone	Perdido Bay, AL
Location	LocationZone	Perdido Bay, FL
Location	LocationZone	Perdido Beach, FL
Location	LocationZone	Perdido Key, FL
Location	LocationZone	Perdido Pass, AL
Location	LocationZone	Petit Bois Island, MS
Location	LocationZone	Port St. Joe, FL
Location	LocationZone	Santa Rosa Beach, FL
Location	LocationZone	Santa Rosa, FL
Location	LocationZone	Ship Island, MS
Location	LocationZone	Slidell, LA
Location	LocationZone	Spanish Fort, AL
Location	LocationZone	St. George Sound, FL
Location	LocationZone	St. Mark's, FL
Location	LocationZone	Theodore, AL
Location	LocationZone	TX
Location	LocationZone	Unincorporated, AL
Location	LocationZone	Unincorporated, FL
Location	LocationZone	Unincorporated, MS
Location	LocationZone	Valparaiso, FL
Location	LocationZone	Venice, LA
Location	LocationZone	Warrington, FL
Location	LocationZone	Waveland, MS
Location	LocationZone	Weeks Bay, AL
Location	LocationZone	West Point Island, AL
Location	Longitude	0
Samples	Matrix	Air
Samples	Matrix	Biota
Samples	Matrix	Blank
Samples	Matrix	Dispersant
Samples	Matrix	Liquid Waste
Samples	Matrix	NET
Samples	Matrix	Oil
Samples	Matrix	Sediment
Samples	Matrix	Snare
Samples	Matrix	Soil
Samples	Matrix	Solid
Samples	Matrix	Solid Waste
Samples	Matrix	Supernatant Water
Samples	Matrix	Surface Water
Samples	Matrix	Tar
Samples	Matrix	Tissue

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Primary Scribe Table	Scribe Field Name	Valid Value
Samples	Matrix	Vegetation
Samples	Matrix	Waste
Samples	Matrix	Water
Samples	Matrix	Weathered Oil
LabResults	MDL_Units	%
LabResults	MDL_Units	% Volume
LabResults	MDL_Units	APHA
LabResults	MDL_Units	CFU/100ml
LabResults	MDL_Units	cSt
LabResults	MDL_Units	deg C
LabResults	MDL_Units	deg F
LabResults	MDL_Units	g/ml
LabResults	MDL_Units	mg
LabResults	MDL_Units	mg/kg
LabResults	MDL_Units	mg/L
LabResults	MDL_Units	mg/sample
LabResults	MDL_Units	ml/100g
LabResults	MDL_Units	ml/5min
LabResults	MDL_Units	MPN/100mL
LabResults	MDL_Units	ng
LabResults	MDL_Units	ng/g
LabResults	MDL_Units	ng/kg
LabResults	MDL_Units	ng/l
LabResults	MDL_Units	ng/m3
LabResults	MDL_Units	none
LabResults	MDL_Units	Pos/Neg
LabResults	MDL_Units	ppb
LabResults	MDL_Units	ppbv
LabResults	MDL_Units	ppm
LabResults	MDL_Units	ppt
LabResults	MDL_Units	Standard Units
LabResults	MDL_Units	ug
LabResults	MDL_Units	ug/g
LabResults	MDL_Units	ug/Kg
LabResults	MDL_Units	ug/L
LabResults	MDL_Units	ug/m3
LabResults	MDL_Units	ug/ml
LabResults	MDL_Units	umhos/cm
LabResults	MDL_Units	uS/cm
Monitoring	Mon_Meas_Units	%
Monitoring	Mon_Meas_Units	D/T
Monitoring	Mon_Meas_Units	deg C
Monitoring	Mon_Meas_Units	ft
Monitoring	Mon_Meas_Units	in
Monitoring	Mon_Meas_Units	m
Monitoring	Mon_Meas_Units	mg/L
Monitoring	Mon_Meas_Units	mg/m3

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
Monitoring	Mon_Meas_Units	mS/cm
Monitoring	Mon_Meas_Units	none
Monitoring	Mon_Meas_Units	NTU
Monitoring	Mon_Meas_Units	ppm
Monitoring	Mon_Meas_Units	ppt
Monitoring	Mon_Meas_Units	Standard Units
Monitoring	Mon_Meas_Units	Total Dimension
Monitoring	Mon_Meas_Units	ug/m3
Monitoring	Mon_Meas_Units	UMHOS/CM@25C
Monitoring	Mon_Parameter	Benzene
Monitoring	Mon_Parameter	CO
Monitoring	Mon_Parameter	Dissolved Oxygen
Monitoring	Mon_Parameter	H2S
Monitoring	Mon_Parameter	LEL
Monitoring	Mon_Parameter	Material Consistency
Monitoring	Mon_Parameter	Material Thickness
Monitoring	Mon_Parameter	O2
Monitoring	Mon_Parameter	Petroleum Odor
Monitoring	Mon_Parameter	pH
Monitoring	Mon_Parameter	PM 10
Monitoring	Mon_Parameter	PM 2.5
Monitoring	Mon_Parameter	Primary Sample Matrix
Monitoring	Mon_Parameter	Salinity
Monitoring	Mon_Parameter	Sample Collected
Monitoring	Mon_Parameter	Sample Color
Monitoring	Mon_Parameter	Secondary Sample Matrix
Monitoring	Mon_Parameter	SO2
Monitoring	Mon_Parameter	Specific Conductance
Monitoring	Mon_Parameter	Temperature
Monitoring	Mon_Parameter	Toluene
Monitoring	Mon_Parameter	Total Dimension
Monitoring	Mon_Parameter	Total Particulates
Monitoring	Mon_Parameter	Turbidity
Monitoring	Mon_Parameter	TWA
Monitoring	Mon_Parameter	Verified Petroleum Product
Monitoring	Mon_Parameter	Visible Anomaly Depth Sounder
Monitoring	Mon_Parameter	Visible Oil Sea Bottom
Monitoring	Mon_Parameter	Visible Sheen
Monitoring	Mon_Parameter	VOC
Monitoring	Mon_Parameter	Water Depth
Monitoring	Mon_Parameter	0
Monitoring	Mon_Parameter	768
Monitoring	Mon_Parameter	1074
Monitoring	Mon_Parameter	53504
Monitoring	Mon_Qualifier	Algae
Monitoring	Mon_Qualifier	Blank Pom
Monitoring	Mon_Qualifier	Black

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
Monitoring	Mon_Qualifier	Brown
Monitoring	Mon_Qualifier	Clear
Monitoring	Mon_Qualifier	Cloudy
Monitoring	Mon_Qualifier	Colorless
Monitoring	Mon_Qualifier	Drift
Monitoring	Mon_Qualifier	Fresh Oil
Monitoring	Mon_Qualifier	Green
Monitoring	Mon_Qualifier	Grey
Monitoring	Mon_Qualifier	Mousse
Monitoring	Mon_Qualifier	Mud
Monitoring	Mon_Qualifier	N/A
Monitoring	Mon_Qualifier	No
Monitoring	Mon_Qualifier	Not Sust
Monitoring	Mon_Qualifier	Not Usable
Monitoring	Mon_Qualifier	Oil/Tar
Monitoring	Mon_Qualifier	Orange
Monitoring	Mon_Qualifier	Organic
Monitoring	Mon_Qualifier	R
Monitoring	Mon_Qualifier	Sand
Monitoring	Mon_Qualifier	Sediment
Monitoring	Mon_Qualifier	Shell
Monitoring	Mon_Qualifier	Snare
Monitoring	Mon_Qualifier	Tan
Monitoring	Mon_Qualifier	Tar
Monitoring	Mon_Qualifier	U
Monitoring	Mon_Qualifier	U, Drift
Monitoring	Mon_Qualifier	Water
Monitoring	Mon_Qualifier	White
Monitoring	Mon_Qualifier	Yes
Monitoring	Mon_Source	1-Hour Avg
Monitoring	Mon_Source	Max 15 Minute Rolling Average Per Hour
Monitoring	Mon_Source	Multiprobe
PropertyInfo	OwnerOccupied	-1
PropertyInfo	OwnerOccupied	0
PropertyInfo	PropertyAccessAgreement	-1
PropertyInfo	PropertyAccessAgreement	0
PropertyInfo	PropertyState	AL
PropertyInfo	PropertyState	FL
PropertyInfo	PropertyState	LA
PropertyInfo	PropertyState	MS
PropertyInfo	PropertyState	TX
PropertyInfo	PropertyZone	Baldwin
PropertyInfo	PropertyZone	Bay
PropertyInfo	PropertyZone	Cameron
PropertyInfo	PropertyZone	Charlotte
PropertyInfo	PropertyZone	Citrus
PropertyInfo	PropertyZone	Collier

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
PropertyInfo	PropertyZone	Dixie
PropertyInfo	PropertyZone	Escambia
PropertyInfo	PropertyZone	Franklin
PropertyInfo	PropertyZone	Gulf
PropertyInfo	PropertyZone	Hancock
PropertyInfo	PropertyZone	Harrison
PropertyInfo	PropertyZone	Hernando
PropertyInfo	PropertyZone	Hillsborough
PropertyInfo	PropertyZone	Iberia
PropertyInfo	PropertyZone	Jackson
PropertyInfo	PropertyZone	Jefferson
PropertyInfo	PropertyZone	Lafourche
PropertyInfo	PropertyZone	Lee
PropertyInfo	PropertyZone	Leon
PropertyInfo	PropertyZone	Levy
PropertyInfo	PropertyZone	Manatee
PropertyInfo	PropertyZone	Martin
PropertyInfo	PropertyZone	Miami-Dade
PropertyInfo	PropertyZone	Mobile
PropertyInfo	PropertyZone	Monroe
PropertyInfo	PropertyZone	NA
PropertyInfo	PropertyZone	OFFSHORE
PropertyInfo	PropertyZone	Okaloosa
PropertyInfo	PropertyZone	Orleans
PropertyInfo	PropertyZone	Palm Beach
PropertyInfo	PropertyZone	Pasco
PropertyInfo	PropertyZone	Pinellas
PropertyInfo	PropertyZone	Plaquemines
PropertyInfo	PropertyZone	Santa Rosa
PropertyInfo	PropertyZone	Sarasota
PropertyInfo	PropertyZone	St. Bernard
PropertyInfo	PropertyZone	St. Mary
PropertyInfo	PropertyZone	Taylor
PropertyInfo	PropertyZone	Terrebonne
PropertyInfo	PropertyZone	Vermilion
PropertyInfo	PropertyZone	Wakulla
PropertyInfo	PropertyZone	Walton
SamplesAir	Pump Fault	No
SamplesAir	Pump Fault	Yes
LabResults	QAFlag	0
LabResults	QAFlag	1
LabResults	QC_Type	Field Sample
LabResults	QC_Type	Method Blank
LabResults	QC_Type	Performance Standard
LabResults	Quantitation_Limit_Units	%
LabResults	Quantitation_Limit_Units	deg C
LabResults	Quantitation_Limit_Units	deg F

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Quantitation_Limit_Units	mg/kg
LabResults	Quantitation_Limit_Units	mg/L
LabResults	Quantitation_Limit_Units	ml/100g
LabResults	Quantitation_Limit_Units	ng/m3
LabResults	Quantitation_Limit_Units	Pos/Neg
LabResults	Quantitation_Limit_Units	ppbv
LabResults	Quantitation_Limit_Units	Standard Units
LabResults	Quantitation_Limit_Units	ug/g
LabResults	Quantitation_Limit_Units	ug/Kg
LabResults	Quantitation_Limit_Units	ug/L
LabResults	Quantitation_Limit_Units	ug/m3
LabResults	Quantitation_Limit_Units	umhos/cm
LabResults	Quantitation_Limit_Units	uS/cm
LabResults	Reportable_Result	No
LabResults	Reportable_Result	Yes
LabResults	Reporting_Limit_Units	%
LabResults	Reporting_Limit_Units	APHA
LabResults	Reporting_Limit_Units	CFU/100mL
LabResults	Reporting_Limit_Units	cSt
LabResults	Reporting_Limit_Units	deg C
LabResults	Reporting_Limit_Units	deg F
LabResults	Reporting_Limit_Units	g/ml
LabResults	Reporting_Limit_Units	mg
LabResults	Reporting_Limit_Units	mg/kg
LabResults	Reporting_Limit_Units	mg/L
LabResults	Reporting_Limit_Units	mg/m3
LabResults	Reporting_Limit_Units	mg/sample
LabResults	Reporting_Limit_Units	ml/100g
LabResults	Reporting_Limit_Units	mL/5min
LabResults	Reporting_Limit_Units	MPN/100mL
LabResults	Reporting_Limit_Units	ng
LabResults	Reporting_Limit_Units	ng/g
LabResults	Reporting_Limit_Units	ng/kg
LabResults	Reporting_Limit_Units	ng/l
LabResults	Reporting_Limit_Units	ng/m3
LabResults	Reporting_Limit_Units	none
LabResults	Reporting_Limit_Units	Pos/Neg
LabResults	Reporting_Limit_Units	ppb
LabResults	Reporting_Limit_Units	ppbv
LabResults	Reporting_Limit_Units	ppm
LabResults	Reporting_Limit_Units	ppt
LabResults	Reporting_Limit_Units	Standard Units
LabResults	Reporting_Limit_Units	ug
LabResults	Reporting_Limit_Units	ug/g
LabResults	Reporting_Limit_Units	ug/Kg
LabResults	Reporting_Limit_Units	ug/L
LabResults	Reporting_Limit_Units	ug/m3

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Reporting_Limit_Units	ug/ml
LabResults	Reporting_Limit_Units	umhos/cm
LabResults	Reporting_Limit_Units	uS/cm
LabResults	Result_Qualifier	*
LabResults	Result_Qualifier	<
LabResults	Result_Qualifier	>
LabResults	Result_Qualifier	>J
LabResults	Result_Qualifier	A11
LabResults	Result_Qualifier	A11B
LabResults	Result_Qualifier	A25
LabResults	Result_Qualifier	B
LabResults	Result_Qualifier	B^
LabResults	Result_Qualifier	B2D1
LabResults	Result_Qualifier	BD
LabResults	Result_Qualifier	BJ
LabResults	Result_Qualifier	BJ+
LabResults	Result_Qualifier	BT
LabResults	Result_Qualifier	BV
LabResults	Result_Qualifier	D
LabResults	Result_Qualifier	D1
LabResults	Result_Qualifier	D2
LabResults	Result_Qualifier	DJ
LabResults	Result_Qualifier	E
LabResults	Result_Qualifier	EB
LabResults	Result_Qualifier	ED1
LabResults	Result_Qualifier	ED6
LabResults	Result_Qualifier	Fail
LabResults	Result_Qualifier	H
LabResults	Result_Qualifier	HU
LabResults	Result_Qualifier	I
LabResults	Result_Qualifier	IV
LabResults	Result_Qualifier	J
LabResults	Result_Qualifier	J-
LabResults	Result_Qualifier	J*
LabResults	Result_Qualifier	J+
LabResults	Result_Qualifier	JB
LabResults	Result_Qualifier	JE
LabResults	Result_Qualifier	JEB
LabResults	Result_Qualifier	JK
LabResults	Result_Qualifier	JL
LabResults	Result_Qualifier	JME
LabResults	Result_Qualifier	JN
LabResults	Result_Qualifier	JO
LabResults	Result_Qualifier	JU
LabResults	Result_Qualifier	JV
LabResults	Result_Qualifier	JX
LabResults	Result_Qualifier	K

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Result_Qualifier	L
LabResults	Result_Qualifier	M1
LabResults	Result_Qualifier	M2
LabResults	Result_Qualifier	M5
LabResults	Result_Qualifier	ME
LabResults	Result_Qualifier	N
LabResults	Result_Qualifier	NJ
LabResults	Result_Qualifier	No Flash
LabResults	Result_Qualifier	NS Effect
LabResults	Result_Qualifier	O
LabResults	Result_Qualifier	Pass
LabResults	Result_Qualifier	R
LabResults	Result_Qualifier	S Effect
LabResults	Result_Qualifier	T
LabResults	Result_Qualifier	TJN
LabResults	Result_Qualifier	U
LabResults	Result_Qualifier	U*
LabResults	Result_Qualifier	U^*
LabResults	Result_Qualifier	UA20
LabResults	Result_Qualifier	UA21
LabResults	Result_Qualifier	UB
LabResults	Result_Qualifier	UC4C
LabResults	Result_Qualifier	UD1
LabResults	Result_Qualifier	UD2
LabResults	Result_Qualifier	UD2M2
LabResults	Result_Qualifier	UD2N
LabResults	Result_Qualifier	UD2P1
LabResults	Result_Qualifier	UD2P2
LabResults	Result_Qualifier	UD6
LabResults	Result_Qualifier	UE
LabResults	Result_Qualifier	UH
LabResults	Result_Qualifier	UH*
LabResults	Result_Qualifier	UJ
LabResults	Result_Qualifier	UL
LabResults	Result_Qualifier	UM1
LabResults	Result_Qualifier	UM2
LabResults	Result_Qualifier	UM3
LabResults	Result_Qualifier	UM5
LabResults	Result_Qualifier	UME
LabResults	Result_Qualifier	UN
LabResults	Result_Qualifier	UO
LabResults	Result_Qualifier	UP2
LabResults	Result_Qualifier	UR
LabResults	Result_Qualifier	URL
LabResults	Result_Qualifier	UT
LabResults	Result_Qualifier	UV
LabResults	Result_Qualifier	V

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Result_Qualifier	X
LabResults	Result_Qualifier	Y
LabResults	Result_Type_Code	SUR
LabResults	Result_Type_Code	TIC
LabResults	Result_Type_Code	TRG
LabResults	Result_Units	%
LabResults	Result_Units	% Sample
LabResults	Result_Units	% Saturation
LabResults	Result_Units	% Survival
LabResults	Result_Units	% Volume
LabResults	Result_Units	% Weight
LabResults	Result_Units	APHA
LabResults	Result_Units	CFU/100ml
LabResults	Result_Units	cSt
LabResults	Result_Units	deg C
LabResults	Result_Units	deg F
LabResults	Result_Units	FNU
LabResults	Result_Units	g/ml
LabResults	Result_Units	L/mgDOC*m
LabResults	Result_Units	mg
LabResults	Result_Units	mg/kg
LabResults	Result_Units	mg/L
LabResults	Result_Units	mg/m3
LabResults	Result_Units	mg/sample
LabResults	Result_Units	ml/100g
LabResults	Result_Units	mL/5min
LabResults	Result_Units	mm/Hg
LabResults	Result_Units	MPN/100ml
LabResults	Result_Units	ng
LabResults	Result_Units	ng/g
LabResults	Result_Units	ng/kg
LabResults	Result_Units	ng/l
LabResults	Result_Units	ng/m3
LabResults	Result_Units	none
LabResults	Result_Units	pass/fail
LabResults	Result_Units	Pos/Neg
LabResults	Result_Units	ppb
LabResults	Result_Units	ppbv
LabResults	Result_Units	ppm
LabResults	Result_Units	ppt
LabResults	Result_Units	ppth
LabResults	Result_Units	Standard Units
LabResults	Result_Units	Survival Comparison
LabResults	Result_Units	ug
LabResults	Result_Units	ug/g
LabResults	Result_Units	ug/Kg
LabResults	Result_Units	ug/L

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
LabResults	Result_Units	ug/m3
LabResults	Result_Units	ug/ml
LabResults	Result_Units	umhos/cm
LabResults	Result_Units	uS/cm
Samples	Samp_Depth_Units	cm
Samples	Samp_Depth_Units	ft
Samples	Samp_Depth_Units	in
Samples	Samp_Depth_Units	m
Samples	SampleCollection	24 hr
Samples	SampleCollection	Blank
Samples	SampleCollection	Composite
Samples	SampleCollection	Discrete
Samples	SampleCollection	Discrete Interval 8hr
Samples	SampleCollection	Grab
Samples	SampleCollection	Mass
Samples	SampleCollection	Maxi core
Samples	SampleMedia	Dispersant
Samples	SampleMedia	Groundwater
Samples	SampleMedia	Liquid Waste
Samples	SampleMedia	MiniCan
Samples	SampleMedia	Oil Waste
Samples	SampleMedia	ORBO 43 + 37mm 2um PTFE
Samples	SampleMedia	PQ200 2.5
Samples	SampleMedia	PUF/GLASS
Samples	SampleMedia	RADIELLO
Samples	SampleMedia	Sediment
Samples	SampleMedia	Solid Waste
Samples	SampleMedia	Summa Canister
Samples	SampleMedia	Surface Water
Samples	SampleMedia	Tedlar Bag
Samples	SampleMedia	Water Column
Samples	SampleMedia	Weathered Oil
Samples	SampleType	Equipment Blank
Samples	SampleType	Equipment Rinsate
Samples	SampleType	Field Blank
Samples	SampleType	Field Duplicate
Samples	SampleType	Field Sample
Samples	SampleType	Matrix Spike
Samples	SampleType	Matrix Spike Duplicate
Samples	SampleType	Method Blank
Samples	SampleType	Trip Blank
Site	Site_No	ADEMDW
Site	Site_No	ALECIDW
Site	Site_No	BPDW
Site	Site_No	CTEH DW
Site	Site_No	EnvstdDW_2
Site	Site_No	ERTDW

Appendix D. Valid Values List

Primary Scribe Table	Scribe Field Name	Valid Value
Site	Site_No	FLDW
Site	Site_No	LDEQDW
Site	Site_No	MC252
Site	Site_No	MS DWH
Site	Site_No	NOAADW
Site	Site_No	NPSDW
Site	Site_No	R04DW
Site	Site_No	R06DW
Site	Site_No	USGSDW
LabResults	Subsample_Amount_Unit	g
LabResults	Subsample_Amount_Unit	m^3
LabResults	Subsample_Amount_Unit	mL
PropertyInfo	TennantOccupied	-1
PropertyInfo	TennantOccupied	0
LabResults	Test_Type	10 day sur
LabResults	Test_Type	7 day chro
LabResults	Test_Type	96-hr acut
LabResults	Test_Type	dilution1
LabResults	Test_Type	initial
LabResults	Test_Type	reanalysis
LabResults	Test_Type	reextract1
LabResults	Test_Type	SUR_CONFIR
LabResults	Total_Or_Disolved	D
LabResults	Total_Or_Disolved	T
Samples	Volume_Units	L
Samples	Volume_Units	m3

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analyte	(3-and/or 4-)Methylphenol	Cresols, Total, m/p-Cresol mixtures
Analyte	.alpha.-Endosulfan	Endosulfan I
Analyte	.beta.-Endosulfan	Endosulfan II
Analyte	.delta.-Hexachlorocyclohexane	delta-BHC
Analyte	1,1,2-Trichloro-1,2,2-Trifluoroethane	1,1,2-Trichlorotrifluoroethane, Trichlorotrifluoroethane
Analyte	1,1-Dichloroethylene	1,1-Dichloroethene
Analyte	1,2,3,4-Tetramethylbenzene	Benzene, 1,2,3,4-tetramethyl-
Analyte	1,2,4,5-Tetramethylbenzene	Benzene, 1,2,4,5-tetramethyl-
Analyte	1,2-Dibromo-3-chloropropane	DBCP
Analyte	1,2-Dimethyl-4-ethylbenzene	Benzene, 4-ethyl-1,2-dimethyl-
Analyte	1,3-Butadiene	Butadiene
Analyte	1,4-Difluorobenzene	Benzene, 1,4-difluoro-
Analyte	1,6,7-Trimethylnaphthalene	2,3,5-Trimethylnaphthalene
Analyte	1,Cis-3-Dimethylcyclohexane	Cyclohexane, 1,3-dimethyl-, cis-
Analyte	1,Trans-2-dimethylcyclopentane	CYCLOPENTANE, 1,2-DIMETHYL-, TRANS-
Analyte	1-Methyl-2-propylbenzene	Benzene, 1-methyl-2-propyl-
Analyte	1-Methyl-3-propylbenzene	Benzene, 1-methyl-3-propyl-
Analyte	1-Methylindene	1H-Indene, 1-methyl-
Analyte	2,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-metha	gamma-Chlordane; 2,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene
Analyte	2,4-D	2,4-Dichlorophenoxyacetic acid; 2,4-DCPA
Analyte	2-Butyloctanol	1-Octanol, 2-butyl-
Analyte	2-Ethylhexanol	2-Ethylhexyl alcohol; 2-ethylhexan-1-ol; Ethyl hexanol
Analyte	2-Ethylhexyl glycidyl ether	Oxirane, [[(2-ethylhexyl)oxy]methyl]-
Analyte	2-Ethyl-m-xylene	Benzene, 2-ethyl-1,3-dimethyl-
Analyte	2-Ethyl-p-xylene	Benzene, 2-ethyl-1,4-dimethyl-
Analyte	2-Hexanone	Methyl Butyl Ketone
Analyte	2-Methyl Butane	BUTANE, 2-METHYL-; Isopentane
Analyte	2-Methylphenol	o-Cresol
Analyte	2-Methylpyridine	Pyridine, 2-methyl-
Analyte	3-Ethoxy-1,1,1,5,5,5-hexamethyl-3-(trimethylsiloxy)trisiloxa	3-Ethoxy-1,1,1,5,5,5-hexamethyl-3-(trimethylsiloxy)trisiloxane
Analyte	3-Methylenepentane	2-Ethyl-1-butene
Analyte	3-Methylhexane	HEXANE, 3-METHYL-
Analyte	3-Methylpyridine	Pyridine, 3-methyl-
Analyte	4,6-Dinitro-o-cresol	2-Methyl-4,6-dinitrophenol; 4,6-Dinitro-2-methylphenol
Analyte	4-Vinylcyclohexene	Cyclohexene, 4-ethenyl-
Analyte	5a-Cholestane	24-ethyl-5a(H),14b(H),17b,20S-Cholestane
Analyte	6-Methyl-5-hepten-2-one	5-Hepten-2-one, 6-methyl-
Analyte	A1-C20-TAS	C20-Triaromatic steroid hydrocarbon
Analyte	A2-C21-TAS	see C21-Triaromatic steroid hydrocarbon
Analyte	A3-C26 TAS(20S)	C26,20S-Triaromatic steroid hydrocarbon
Analyte	A4-C26/C27-TAS	C26,20R-+27,20S-Triaromatic steroid hydrocarbon

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analyte	A5-C27-TAS(20R)	C27,20R-Triaromatic steroid hydrocarbon
Analyte	A6-TAS(20S)	C28,20S-Triaromatic steroid hydrocarbon
Analyte	A7-TAS(20R)	C28,20R-Triaromatic steroid hydrocarbon
Analyte	Acetylacetone	2,4-Pentanedione
Analyte	Allyl Chloride	3-chloroprop-1-ene
Analyte	Allylamine	2-Propen-1-amine
Analyte	Ammonia as N	Nitrogen, Ammonia
Analyte	a-Pinene	alpha-Pinene
Analyte	Benz(a)anthracene	Benzo(a)anthracene
Analyte	Biphenyl	1,1'-Biphenyl
Analyte	Bis(2-chloroisopropyl) ether	2,2'-oxybis(2-chloropropane)
Analyte	b-Pinene	beta-Pinene
Analyte	Butane	N-Butane
Analyte	Butyl butyrate	Butanoic acid, butyl ester
Analyte	C1-Dibenzothiophenes	Methyldibenzothiophene
Analyte	C1-Phenanthrenes	Methylphenanthrene
Analyte	C4-Fluoranthenes/pyrenes	C4-Fluoranthrenes/pyrenes
Analyte	CFC-11	Freon 11; Trichlorofluoromethane
Analyte	CFC-114	Dichlorotetrafluoroethane; 1,2-Dichloro-1,1,2,2-tetrafluoroethane; Freon 114; 1,2-Dichloro-1,1,2,2-tetrafluoroethane; 1,2-Dichlorotetrafluoroethane
Analyte	CFC-12	Freon 12; Dichlorodifluoromethane
Analyte	Chlorodibromomethane	Dibromochloromethane
Analyte	Chloromethylbenzene	Benzyl Chloride
Analyte	cis-1,2-Dichloroethene	cis-1,2-Dichloroethylene
Analyte	Cis-1,3-Dichloropropene	1,3-Dichloropropylene; trans-1,3-Dichloropropene
Analyte	Cis-5-methyl-2-hexene	(Z)-(CH3)2CHCH2CH=CHCH3
Analyte	cis-Chlordane	alpha-Chlordane
Analyte	Clay	Bentonite
Analyte	Cumene	Isopropylbenzene
Analyte	Cyclohexane, pentyl-	Pentylcyclohexane
Analyte	CYCLOPENTANE, 1,3-DIMETHYL-, TRANS-	trans-1,3-Diethylcyclopentane
Analyte	CYCLOPENTYLETHYNE	Cyclopentyl Acetylene
Analyte	Decamethylcyclopentasiloxane	Cyclopentasiloxane, decamethyl-
Analyte	Decane	n-Decane
Analyte	Di(2-ethylhexyl) sodium sulfosuccinate	DIOCTYLSULFOSUCCINATE, SODIUM SALT
Analyte	Dichlorobromomethane	Bromodichloromethane
Analyte	DIESEL RANGE ORGANICS	DRO; DRO(TOTAL); Diesel Fuel
Analyte	DIESEL RANGE ORGANICS (C10-C28)	C10-C28
Analyte	Dimethyl sulfide	Thiobismethane
Analyte	Docosane	nC-22 Docosane
Analyte	Dodecane	n-Dodecane; nC-12 Dodecane
Analyte	Dotriacontane	n-Dotriacontane; nC-32 Dotriacontane

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analyte	Eicosane	nC-20 Eicosane
Analyte	Ethyl amyl ketone	3-Octanone
Analyte	Ethylene glycol monobutyl ether	2-Butoxyethanol
Analyte	Flashpoint	Ignitability
Analyte	Gasoline Range Organics	GASOLINE RANGE ORGANICS(C6-10)
Analyte	Glycolic acid	Acetic acid, hydroxy-
Analyte	Halon 1011	Bromochloromethane
Analyte	HCFC-21	Dichlorofluoromethane
Analyte	HCFC-22	Methane, chlorodifluoro-; Chlorodifluoromethane
Analyte	Heneicosane	nC-21 Heneicosane
Analyte	Hentriacontane	n-Hentriacontane; nC-31 Hentriacontane
Analyte	Heptacosane	nC-27 Heptacosane
Analyte	Heptadecane	nC-17 Heptadecane; n-Heptadecane
Analyte	Heptane	n-Heptane; Total VOCs as n-Heptane
Analyte	Hexachlorobenzene	HCB
Analyte	Hexachlorobutadiene	Hexachloro-1,3-butadiene
Analyte	Hexachlorocyclopentadiene	HCCP
Analyte	Hexacosane	nC-26 Hexacosane
Analyte	Hexadecane	nC-16 Octadecane; n-Hexadecane
Analyte	Hexaldehyde	Hexanal
Analyte	Hexamethylcyclotrisiloxane	Cyclotrisiloxane, hexamethyl-
Analyte	Hexane	n-Hexane
Analyte	Hexatriacontane	n-Hexatriacontane
Analyte	Isobutanol	1-Propanol, 2-methyl-
Analyte	Isobutene	1-Propene, 2-methyl-; Isobutylene
Analyte	Isoprene	1,3-Butadiene, 2-methyl-
Analyte	Isopropanol	2-PROPANOL; Isopropyl Alcohol
Analyte	m-Dichlorobenzene	1,3-Dichlorobenzene
Analyte	Mesityl oxide	3-Penten-2-one, 4-methyl-
Analyte	Methyl bromide	Bromomethane
Analyte	Methyl disulfide	Disulfide, dimethyl
Analyte	Methyl Ethyl Ketone	2-Butanone
Analyte	Methyl isoamyl ketone	2-Hexanone, 5-methyl-
Analyte	Methyl Isobutyl Ketone	4-Methyl-2-pentanone
Analyte	Methyl Methacrylate	Methylmethacrylate
Analyte	Methyl tert-Butyl Ether	METHYL T-BUTYL ETHER; MTBE
Analyte	Methylchrysene	C1-Chrysenes
Analyte	Methylcyclopentane	Cyclopentane, methyl-
Analyte	Methylene chloride	Dichloromethane
Analyte	Methylfluorene	C1-Fluorenes
Analyte	Methylnaphthalene	C1-Naphthalenes
Analyte	m-Nitroaniline	3-Nitroaniline

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analyte	m-Xylene	Meta-xylene
Analyte	n-Amyl acetate	Acetic acid, pentyl ester
Analyte	n-Butyl acetate	Acetic acid, butyl ester
Analyte	N-BUTYLBENZENE	BUTYLBENZENE
Analyte	nC-15 Pentadecane	Pentadecane
Analyte	Nitroethane	Ethane, nitro-
Analyte	Nitrogen	Nitrogen, Ammonia (as N)
Analyte	Nitrogen, Kjeldahl Total	Total Kjeldahl Nitrogen
Analyte	n-Nonacosane	Nonacosane
Analyte	Nonadecane	nC-19 Nonadecane
Analyte	Nonane	n-Nonane
Analyte	Nonane, 4-Methyl	4-METHYLNONANE
Analyte	o-Chlorophenol	2-Chlorophenol
Analyte	o-Chlorotoluene	2-Chlorotoluene
Analyte	Octacosane	nC-28 Octacosane
Analyte	Octadecane	nC-18 Octadecane
Analyte	Octamethylcyclotetrasiloxane	Cyclotetrasiloxane, octamethyl-
Analyte	Octane	n-Octane
Analyte	o-Cymene	Benzene, 1-methyl-2-(1-methylethyl)-
Analyte	o-Dichlorobenzene	1,2-Dichlorobenzene
Analyte	O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate	EPN
Analyte	o-Ethyltoluene	Ethyltoluene
Analyte	o-Fluorophenol	2-Fluorobiphenyl
Analyte	o-Nitroaniline	2-Nitroaniline
Analyte	o-Nitrophenol	2-Nitrophenol
Analyte	o-Tolualdehyde	Benzaldehyde, 2-methyl-
Analyte	Oyster	Crassostrea
Analyte	p,p'-DDD	4,4'-DDD
Analyte	p,p'-DDE	4,4'-DDE
Analyte	p,p'-DDT	4,4'-DDT
Analyte	Palmitic Acid	n-Hexadecanoic Acid; Hexadecanoic Acid
Analyte	p-Bromofluorobenzene	4-Bromofluorobenzene
Analyte	p-Bromophenyl phenyl ether	4-Bromophenyl phenyl ether
Analyte	PCB-1016	Aroclor 1016
Analyte	PCB-1221	Aroclor 1221
Analyte	PCB-1232	Aroclor 1232
Analyte	PCB-1242	Aroclor 1242
Analyte	PCB-1248	Aroclor 1248
Analyte	PCB-1254	Aroclor 1254
Analyte	PCB-1260	Aroclor 1260
Analyte	PCB-1262	Aroclor 1262
Analyte	PCB-1268	Aroclor 1268

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analyte	p-Chloroaniline	4-Chloroaniline
Analyte	p-Chloro-m-cresol	4-Chloro-3-methylphenol
Analyte	p-Chlorophenyl phenyl ether	4-Chlorophenyl phenyl ether
Analyte	p-Chlorotoluene	4-Chlorotoluene
Analyte	p-Cymene	4-ISOPROPYLTOLUENE; p-Isopropyltoluene
Analyte	p-Dichlorobenzene	1,4-dichlorobenzene
Analyte	p-Diethylbenzene	1,4-Diethylbenzene, 1,4-Diethylbenzene+B51
Analyte	Pentachloroanisole	Benzene, pentachloromethoxy-
Analyte	Pentacosane	n-Pentacosane; nC-25 Pentacosane
Analyte	p-Ethyltoluene	4-ETHYLTOLUENE
Analyte	Phosphorus	Total Phosphorus
Analyte	Phytane	Hexadecane, 2,6,10,14-tetramethyl-
Analyte	p-Nitroaniline	4-Nitroaniline
Analyte	p-Nitrophenol	4-Nitrophenol
Analyte	Propiophenone	1-Propanone, 1-phenyl-
Analyte	PROPYLBENZENE	N-PROPYLBENZENE
Analyte	Propylene	Propene
Analyte	Prothiofos	Tokuthion
Analyte	p-Xylene	para-xylene
Analyte	S14-CHOLESTANE (20R)	5a(H),14b(H),17b(H),20R-Cholestane
Analyte	S15-CHOLESTANE (20S)	5a(H),14b(H),17b(H),20S-Cholestane
Analyte	S23-METHYLCHOLESTANE(20S)	24-methyl-5a(H),14b(H),17b,20S-Cholestane
Analyte	S24-METHYLCHOLESTANE	24-methyl-5a(H),14a(H),17a,20R-Cholestane
Analyte	S4-DIACHOLESTANE	13b(H),17a(H),20S-Cholestane
Analyte	S5-DIACHOLESTANE	13b(H),17a(H),20R-Cholestane
Analyte	Stearic acid	Octadecanoic acid
Analyte	Sulfide (Acid Soluble)	Reactivity Sulfide
Analyte	Sulfur	Sulfur Content by X-ray
Analyte	Sulprofos	Bolstar
Analyte	T10-C29TRICYCLICTRITERPANE	C29 Tricyclic Terpane 22R
Analyte	T11-Trisnorhopane(TS)	18a(H)-22,29,30-Trisnorhopane(TS)
Analyte	T13A-29,30-BISNORHOPANE	17a(H)-29,30-Bisnorhopane
Analyte	T13-TRISNORHOPANE	17b(H)-22,29,30-Trisnorhopane
Analyte	T16-Norneohopane	18a(H)-30-Norneohopane
Analyte	T17-C30-NORMORETANE	17b(H)-21a(H)-30-Norhopane
Analyte	T18-C30-OLEANANE	see 18a(H)-Oleanane
Analyte	T19-C30 Hopane	17a(H),21b(H)-Hopane(std)
Analyte	T30-C33-TRISHOMOHOPANE(S)	17a(H),21b(H),22S-Trishomohopane
Analyte	T32-Tetrakishomohopane(S)	17a(H),21b(H),22S-Tetrakishomohopane
Analyte	T33-TETRAKISHOMOHOPANE(R)	17a(H),21b(H),22R-Tetrakishomohopane
Analyte	T34-PENTAKISHOMOHOPANE(S)	17a(H),21b(H),22S-Pentakishomohopane
Analyte	T35-PENTAKISHOMOHOPANE(R)	17a(H),21b(H),22R-Pentakishomohopane

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analyte	T4-C23Diterpane	C23 TRICYCLIC TERPANE
Analyte	T9-C29Tricyclictriterpane(S)	C29 Tricyclic Terpane 22S
Analyte	tert-Amylbenzene	Benzene, (1,1-dimethylpropyl)-
Analyte	Tetrachloroethylene	Tetrachloroethene
Analyte	Tetrachlorvinphos	Stirophos
Analyte	Tetracosane	nC-24 Tetracosane
Analyte	Tetradecane	n-Tetradecane; nC-14 Tetradecane
Analyte	Tetraethyl pyrophosphate	TEPP
Analyte	Tetratriacontane	n-Tetratriacontane; nC-34 Tetratriacontane
Analyte	TOC	Total Organic Carbon
Analyte	Total Carbon	Carbon
Analyte	Total Non-Methane Organic Carbon	TNMOC
Analyte	Total Residual Chlorine	Total Chlorine
Analyte	Total SHC	SHC (Total)
Analyte	TPH	TPH(Total); TPH, Total;
Analyte	trans-1,2-Dichloroethylene	trans-1,2-Dichloroethene
Analyte	Triacontane	nC-30 Triacontane
Analyte	Tribromomethane	BROMOFORM
Analyte	Trichloroethylene	Trichloroethene
Analyte	Tricosane	nC-23 Tricosane
Analyte	Tridecane	n-Tridecane
Analyte	TRITRIACONTANE	n-TRITRIACONTANE; nC-33 Tritriacontane
Analyte	Undecane	n-Undecane; nC-11 Undecane
Analyte	Vinylidene fluoride	Ethene, 1,1-difluoro-
Analytical_Method	A2540B	2540B
Analytical_Method	A2540G	2540G
Analytical_Method	ASB107C	107C
Analytical_Method	D445	ASTM D445
Analytical_Method	E1664	1664
Analytical_Method	E350.3	350.3
Analytical_Method	H8000	8000; Hach 8000 for COD
Analytical_Method	Lloyd Kahn	Lloyd Kahn Mod
Analytical_Method	N1403	NIOSH Method 1403; 1403
Analytical_Method	N5523	NIOSH Method 5523
Analytical_Method	SM4500/SW9040A	4500/9040A
Analytical_Method	SM4500CLG	4500 CL G
Analytical_Method	SM4500H+B	4500 H+B
Analytical_Method	SM4500NH3E	4500-NH3E
Analytical_Method	SM4500S2D	4500-S2-D
Analytical_Method	SM4500SO3B	4500-SO3--B
Analytical_Method	SM5210B	5210B
Analytical_Method	SM5310B	5310B

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Analytical_Method	SM5540C	5540C
Analytical_Method	SM9222D	9222D
Analytical_Method	SM9223	9223
Analytical_Method	SW6010B	6010B; SW-846 6010B
Analytical_Method	SW6010B/SW1311	SW6010B/1311; 6010B/1311
Analytical_Method	SW6020	6020
Analytical_Method	SW6020R	6020R
Analytical_Method	SW7470	7470
Analytical_Method	SW7470A	7470A; SW-846 7470A
Analytical_Method	SW7470A/SW1311	SW7470A/1311; SW7470A/1311
Analytical_Method	SW7471A	7471A
Analytical_Method	SW7471B	SW-846 7471B; 7471B
Analytical_Method	SW8015	8015; GRO/DRO/ORO
Analytical_Method	SW8015B	8015B; SW-846 8015B
Analytical_Method	SW8015M	8015M
Analytical_Method	SW8082	8082
Analytical_Method	SW8260	8260
Analytical_Method	SW8260B	8260B; SW-846 8260B
Analytical_Method	SW8260B/SW1311	SW8260B/1311; 8260B/1311
Analytical_Method	SW8260R	8260R
Analytical_Method	SW8270	8270; SW-846-8270C
Analytical_Method	SW8270C	8270C
Analytical_Method	SW8270C/SW1311	SW8270C/1311; 8270C/1311
Analytical_Method	SW8270CSIM	8270C SIM
Analytical_Method	SW8270D	EPA 8270D
Analytical_Method	SW8270R	8270R
Analytical_Method	SW8270SIM	8270SIM
Analytical_Method	SW8272MOD	SW-846 8272 MOD; 8272MOD
Analytical_Method	SW9012	9012
Analytical_Method	SW9012A	SW-846 9012A; 9012A
Analytical_Method	SW9034	SW-846 9034; 9034
Analytical_Method	SW9045	SW-846 9045; 9045
Analytical_Method	SW9045D	9045D
Analytical_Method	SW9060	9060
Analytical_Method	SW9095A	9095A
Lab_Name	Air Toxics Ltd	ATL
Lab_Name	ALS Holland MI	ALSHS
Lab_Name	ALS Houston	ARIS
Lab_Name	ARIS Laboratories	ARIS
Lab_Name	Battelle	BDO
Lab_Name	Environmental Enterprises	EEUSA
Lab_Name	Galson Laboratories	GALSON

Appendix E. Valid Values with Synonyms or Alternatives

Scribe Field Name	Scribe Valid Value	Synonyms or Alternatives
Lab_Name	Gulf Coast Analytical Labs	GCAL
Lab_Name	Lancaster Laboratories	LLI
Lab_Name	Louisiana State University Laboratory	LSU
Lab_Name	Pace Minnesota	PACEMN
Lab_Name	Pace Minnesota	PMN
Lab_Name	Pace New Orleans	PNO
Lab_Name	Sherry Laboratories	SHERRY
Lab_Name	Spectra Labs	SPECTRA
Lab_Name	SPL Houston	SPLHOU
Lab_Name	SPL Lafayette	SPLLAF
Lab_Name	Springborn Smithers Laboratory	SSL
Lab_Name	Test America Burlington	TABUR
Lab_Name	Test America Burlington	TALBUR
Lab_Name	Test America Houma	TAHOM
Lab_Name	Test America Mobile	TAMOB
Lab_Name	Test America Nashville	TANSH
Lab_Name	Test America Pensacola	TAPEN
Lab_Name	Test America University Park	TAMU

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
% Gravel	% Gravel
% Moisture	% Moisture
% Sand	% Sand
% Silt, Clay, Colloids	% SILT CLAY
% Solids	% Solids
(3-and/or 4-)Methylphenol	15831-10-4
.alpha.-Endosulfan	959-98-8
.beta.-Endosulfan	33213-65-9
.delta.-Hexachlorocyclohexane	319-86-8
0.001 mm	GS.001mm
0.0015 mm	GS.0015mm
0.002 mm	GS.002mm
0.005 mm	GS.005mm
0.02 mm	GS.02mm
0.030 mm	GS.03mm
0.05 mm	GS.05mm
0.064 mm	GS.064mm
0.075 mm	GS.075mm
0.15 mm	GS.015mm
0.3 mm	GS.3mm
0.375 Inch Sieve	GS.375in
0.6 mm	GS.6mm
0.75 Inch Sieve	GS.75in
1,1,1,2-Tetrachloroethane	630-20-6
1,1,1-Trichloroethane	71-55-6
1,1,2,2-Tetrachloroethane	79-34-5
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1
1,1,2-Trichloroethane	79-00-5
1,1,2-trimethylcyclohexane	7094-26-0
1,1,3-Trimethoxypropane	14315-97-0
1,1,4-trimethylcyclohexane	7094-27-1
1,1-Dichloroethane	75-34-3
1,1-Dichloroethylene	75-35-4
1,1-DICHLOROPROPANONE	513-88-2
1,1-Dichloropropene	563-58-6
1,2,3,4-Tetramethylbenzene	488-23-3
1,2,3-Trichlorobenzene	87-61-6
1,2,3-Trichloropropane	96-18-4
1,2,3-Trimethylbenzene	526-73-8
1,2,4,5-Tetrachlorobenzene	95-94-3
1,2,4,5-Tetramethylbenzene	95-93-2
1,2,4-Trichlorobenzene	120-82-1
1,2,4-Trimethylbenzene	95-63-6
1,2,5-HEXATRIENE	3642-18-0
1,2-Cyclohexanedione	765-87-7
1,2-Dibromo-3-Chloropropane	96-12-8

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
1,2-DIBROMOETHANE	106-93-4
1,2-Dichloroethane	107-06-2
1,2-Dichloroethane-d4	17060-07-0
1,2-DICHLOROETHENE	540-59-0
1,2-Dichloropropane	78-87-5
1,2-Dimethyl-4-ethylbenzene	934-80-5
1,2-Dimethylnaphthalene	573-98-8
1,2-Diphenylhydrazine	122-66-7
1,2-Pentadiene	591-95-7
1,3,5,7-Tetraethylcyclo	16066-10-7
1,3,5-Trimethylbenzene	108-67-8
1,3,8-p-Menthatriene	21195-59-5
1,3-Butadiene	106-99-0
1,3-Dichloropropane	142-28-9
1,3-Dimethyl-4-ethylbenzene	874-41-9
1,3-Dimethyl-5-Ethylbenzene	934-74-7
1,3-DIOXOLANE, 4-METHYL-	1072-47-5
1,3-Hexadien-5-yne	10420-90-3
1,3-Pentadiene	504-60-9
1,4-Cyclohexadiene, 3-e	62338-57-2
1,4-Cyclooctadiene	16327-22-3
1,4-Dichlorobenzene-d4	3855-82-1
1,4-Difluorobenzene	540-36-3
1,4-Dioxane	123-91-1
1,4-DIOXIN, 2,3-DIHYDRO-	543-75-9
1,4-PENTADIENE, 3,3-DIMETHYL-	1112-35-2
1,5-Cyclooctadiene, 1,5-dimethyl-	3760-14-3
1,6,7-Trimethylnaphthalene	2245-38-7
1,6-Dimethylnaphthalene	575-43-9
1,CIS-3-DIMETHYLCYCLOHEXANE	638-04-0
1,TRANS-2-DIMETHYLCYCLOPENTANE	822-50-4
1.18 mm	GS1.18mm
1.5 Inch Sieve	GS1.5in
15a-methyl-17a(H)-27-Norhopane	BDO-492
17A(H)-DIAHOPANE	DH30
19 mm	GS19mm
1-Butanol	71-36-3
1-Butanol, 2-methyl-, a	624-41-9
1-Butanol, 3-methyl-, acetate	123-92-2
1-Butene	106-98-9
1-Butene, 2-ethyl-3-methyl-	7357-93-9
1-CHLOROBUTANE	109-69-3
1-DECANOL	112-30-1
1-Decene	872-05-9
1-Dodecene	112-41-4
1-ETHYL-3-METHYLCYCLOHEXANE (C,T)	3728-55-0

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
1H-Cyclopenta(c)thiophene, hexahydro-, c	53907-80-5
1-Heptene	592-76-7
1-Hexadecanol	36653-82-4
1-Hexene	592-41-6
1-Hexene, 3,4-dimethyl-	16746-87-5
1H-Indene, 1-ethylidene-	2471-83-2
1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8
1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl	83-08-9
1H-Indole, 1-methyl-2-p	3558-24-5
1H-Indole, 5-methyl-2-p	13228-36-9
1H-PYRROLE, 1-ETHYL-	617-92-5
1H-Tetrazole, 5-methyl-	4076-36-2
1-Methyl-2-propylbenzene	1074-17-5
1-Methyl-3-propylbenzene	1074-43-7
1-Methylfluorene	1730-37-6
1-Methylindene	767-59-9
1-Methylnaphthalene	90-12-0
1-Methylphenanthrene	832-69-9
1-Methylpyrene	2381-21-7
1-Naphthalenepropanol, .alpha.-ethenyldecahydr	106631-38-3
1-NITROPYRENE	5522-43-0
1-Nonene	124-11-8
1-Octene	111-66-0
1-Octyn-3-ol, 4-ethyl-	5877-42-9
1-Pentadecanol	629-76-5
1-Pentene	109-67-1
1-Pentene, 2,4,4-trimeth	107-39-1
1-PIPERAZINEPROPANENITRILE	34064-86-3
1-Propanol	71-23-8
1-Tridecene	2437-56-1
1-Undecanol	112-42-5
1-Undecene	821-95-4
2-Buten-1-ol	6117-91-5
2,2,3-Trimethylpentane	564-02-3
2,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-metha	5566-34-7
2,2,4-Trimethylpentane	540-84-1
2,2-Dichloropropane	594-20-7
2,2-Dimethyl-1-oxa-2-silacyclohexa-3,5-diene	67078-75-5
2,2-Dimethylbutane	75-83-2
2,2-dimethylheptane	1071-26-7
2,2-Dimethyloctane	15869-89-1
2,3,4,5-Tetrachlorophenol	4901-51-3
2,3,4,6-Tetrachlorophenol	58-90-2
2,3,4-Trimethylpentane	565-75-3
2,3,5,6-Tetrachlorophenol	935-95-5
2,3,6-Trimethylnaphthalene	829-26-5

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
2,2-dimethylpentane	590-35-2
2,3-Dihydro-1-methylindene	27133-93-3
2,3-DIMETHYL-AZIRIDINE	2549-68-0
2,3-Dimethylbutane	79-29-8
2,3-Dimethylpentane	565-59-3
2,3-dimethylhexane	584-94-1
2,3-dimethyloctane	7146-60-3
2,4 and 2,5-Dichlorophenol	583-78-8
2,4,4-Trimethylbut-2-enolide	4182-41-6
2,4,5-T	93-76-5
2,4,5-TP (Silvex)	93-72-1
2,4,5-Trichlorophenol	95-95-4
2,4,6-Tribromophenol	118-79-6
2,4,6-Trichlorophenol	88-06-2
2,4-D	94-75-7
2,4-DB	94-82-6
2,4-Dichlorophenol	120-83-2
2,4-Dimethyl-1-heptene	19549-87-2
2,4-Dimethylpentane	108-08-7
2,4-Dimethylphenol	105-67-9
2,4-Dinitrophenol	51-28-5
2,4-Dinitrotoluene	121-14-2
2,5-Dibromotoluene	615-59-8
2,5-Dimethylhexane	592-13-2
2,6-Dimethylnaphthalene	581-42-0
2,6-Dinitrotoluene	606-20-2
2.00 mm	GS2mm
2.36 mm	GS2.36mm
2-Butanone, 1,1,1-trifluoro-	381-88-4
2-Butenal	4170-30-3
2-butoxyethanol	111-76-2
2-Butyloctanol	3913-02-8
2-Chloroethyl vinyl ether	110-75-8
2-Chloronaphthalene	91-58-7
2-DODECENE, (E)-	7206-13-5
2-Ethylhexanal	123-05-7
2-Ethylhexanol	104-76-7
2-Ethylhexyl glycidyl ether	2461-15-6
2-Ethyl-m-xylene	2870-04-4
2-Ethylnaphthalene	939-27-5
2-Ethyl-p-xylene	1758-88-9
2-Ethylthiophene	872-55-9
2-Fluorophenol	321-60-8
2-Heptanone	110-43-0
2-Heptanone, 6-methyl-	928-68-7
2-HEPTEN-1-OL, (E)-	33467-76-4

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
2-HEPTENE	592-77-8
2-HEXANONE	591-78-6
2-Hexyne	764-35-2
2-Hydroxy-3,5,6-trichloropyridine	6515-38-4
2-Methyl-1-butene	563-46-2
2-Methyl-1-pentene	763-29-1
2-Methyl-2-butene	513-35-9
2-Methyl-1-Hexene	6094-02-6
2-Methylanthracene	613-12-7
2-Methylbutane	78-78-4
2-Methylheptane	592-27-8
2-Methylhexane	591-76-4
2-Methylnaphthalene	91-57-6
2-Methylnaphthalene-d10	7297-45-2
2-Methylpentane	107-83-5
2-Methylpentene-2	625-27-4
2-METHYLPHENOL	95-48-7
2-Methylpyridine	109-06-8
2-Methylthiophene	554-14-3
2-Naphthalenamine	91-59-8
2-NITROPROPANE	79-46-9
2-NONEN-1-OL, (E)-	31502-14-4
2-Octanone	111-13-7
2-OCTENE, (E)-	13389-42-9
2-OCTENE, (Z)-	7642-04-8
2-Oxazolidinone, 3-methy	19836-78-3
2-palmitoleic acid	25447-95-4
2-Pentanol, acetate	626-38-0
2-Pentanone	107-87-9
2-PROPEN-1-OL, 2-METHYL-	513-42-8
2-PROPENAL, 2-METHYL-	78-85-3
2-PROPENOIC ACID, 2-ETHYLHEXYL ESTER	103-11-7
2-Propenoic acid, 2-methyl-, 2-hydroxypr	923-26-2
2-PROPENOIC ACID, 6-METHYLHEPTYL ESTER	54774-91-3
2-Propyl-1-pentanol	58175-57-8
2-Undecenal	2463-77-6
2-Undecene, 3-methyl-, (E)-	74630-47-0
3 and/or 4-Chlorophenol	108-39-4/106-44-5
3 Inch Sieve	GS3in
3,3,5,5-TETRAMETHYLCYCLOPENTENE	38667-10-6
3,3'-Dichlorobenzidine	91-94-1
3,3-Diethylpentane	1067-20-5
3,3-dimethyloctane	4110-44-5
3,4-Dihydroxybenzyl alcohol,tris(trimeth	68595-79-9
3,4-Dimethylcyclopentan	58372-16-0
3,5-Dimethyl-1-hexene	7423-69-0

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
3,5-DIMETHYLCYCLOPENTENE	7459-71-4
3.35 mm	GS3.35mm
37.5 mm	GS37.5mm
3-BUTEN-2-ONE	78-94-4
3-Butenoic acid, ethyl ester	1617-18-1
3-Cyclohexen-1-ol	822-66-2
3-Dodecene, (Z)-	7239-23-8
3-Ethoxy-1,1,1,5,5,5-hexamethyl-3-(trimethylsiloxy)trisiloxa	10830-66-5
3-Ethylhexane	619-99-8
3-Heptanone	106-35-4
3-Hydroxymandelic acid, ethyl ester, di-TM	NIST-48105
3-Methyl-1-butene	563-45-1
3-Methylenepentane	760-21-4
3-Methylheptane	589-81-1
3-Methylheptyl acetate	72218-58-7
3-Methylhexane	589-34-4
3-Methylpentane	96-14-0
3-Methylpyridine	108-99-6
3-Methylthiophene	616-44-4
3-PYRIDINEMETHANOL, 4,5-DIHYDROXY-	700-73-2
3-Undecene, 6-methyl-,	74630-52-7
4-(METHYLTHIO)BENZONITRILE	21382-98-9
4,6-Dinitro-o-cresol	534-52-1
4,7-METHANO-1H-INDENE, OCTAHYDRO-	6004-38-2
4.75 mm	GS4.75mm
4'-Chloro-6-methoxyaurone	77764-90-0
4-DECENE, 3-METHYL-, (E)-	62338-47-0
4H-Cyclopenta(def)phenanthrene	203-64-5
4-Hexen-2-one, 3,4-dime	53252-21-4
4-Hydroxymandelic acid, ethyl ester, di-	1198-84-1
4-Methyl-1-pentene	691-37-2
4-methylheptane	589-53-7
4-methylphenol	106-44-5
4-Nitro-4'-chlorodiphenylsulphoxide	24535-53-3
4-OCTENE, (E)-	14850-23-8
4-Pentynoic acid	6089-09-4
4-PYRIMIDINAMINE, 5-METHYL-2-(METHYL)-	54308-64-4
4-UNDECENE, 6-METHYL-	693-62-9
4-Vinylcyclohexene	100-40-3
5-Tetradecene, (E)-	41446-66-6
5-UNDECENE, (E)-	764-97-6
5-Undecene, 9-methyl-, (Z)-	74630-65-2
6-Methyl-5-hepten-2-one	110-93-0
75 mm	GS75mm
7a,9c-(Iminoethano)phen	24695-70-3
7-Tetradecene	10374-74-0

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
9-Fluorenone	486-25-9
a,a,a-Trifluorotoluene	98-08-8
A1-C20-TAS	BDO-565
A2-C21-TAS	BDO-566
A3-C26 TAS(20S)	BDO-567
A4-C26/C27-TAS	BDO-568
A5-C27-TAS(20R)	BDO-569
A6-TAS(20S)	BDO-570
A7-TAS(20R)	BDO-571
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Acenaphthylene-d8	93951-97-4
ACETALDEHYDE	75-07-0
Acetaldehyde, hydroxy-	141-46-8
Acetic acid, 2-ethylhexyl ester	103-09-3
Acetic acid, dichloro-, ethyl ester	535-15-9
Acetic acid, trichloro-, ethyl ester	515-84-4
Acetone	67-64-1
Acetonitrile	75-05-8
Acetophenone	98-86-2
Acetylacetone	123-54-6
Acetylene	74-86-2
Acrolein	107-02-8
Acrylonitrile	107-13-1
Aldrin	309-00-2
ALIPHATIC HYDROCARBONS (>C10-C12)	PHCC10C12AL
ALIPHATIC HYDROCARBONS (>C12-C16)	PHCC12C16AL
ALIPHATIC HYDROCARBONS (>C16-C35)	PHCC16C35AL
ALIPHATIC HYDROCARBONS (>C5-C6)	PHCC5C6AL
ALIPHATIC HYDROCARBONS (>C6-C8)	PHCC6C8AL
ALIPHATIC HYDROCARBONS (>C8-C10)	PHCC8C10AL
Alkalinity	ALK
ALKANES, TOTAL	ALKANETOT
Allyl Chloride	107-05-1
Allylamine	107-11-9
alpha-BHC	319-84-6
alpha-Methylstyrene	98-83-9
Aluminum	7429-90-5
Americamysis bahia	E17075466
Ammonia as N	7664-41-7
Aniline	62-53-3
Anthracene	120-12-7
Anthracene-d10	1719-06-8
Anthraquinone	84-65-1
Antimony	7440-36-0
API GRAVITY @ 60 F	APIGRAV

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
a-Pinene	80-56-8
AROMATIC HYDROCARBONS (>C10-C12)	PHCC10C12AR
AROMATIC HYDROCARBONS (>C12-C16)	PHCC12C16AR
AROMATIC HYDROCARBONS (>C16-C21)	PHCC16C21AR
AROMATIC HYDROCARBONS (>C21-C35)	PHCC21C35AR
AROMATIC HYDROCARBONS (>C5-C7)	PHCC5C7AR
AROMATIC HYDROCARBONS (>C7-C8)	PHCC7C8AR
AROMATIC HYDROCARBONS (>C8-C10)	PHCC8C10AR
AROMATICS, TOTAL	AROMATICTOT
Arsenic	7440-38-2
Arsenous acid, tris(trimethylsilyl) este	55429-29-3
Atrazine	1912-24-9
Azobenzene	103-33-3
Barium	7440-39-3
Barometric pressure	BAROP
Benz(a)anthracene	56-55-3
Benzaldehyde	100-52-7
Benzaldehyde, 2,4-bis(t	33617-38-8
Benzaldehyde, 2,5-bis((trimethylsilyl)ox	56114-69-3
BENZALDEHYDE, 4-CHLORO-, OXIME	3848-36-0
BENZENAMINE, 2,4-DIMETHYL-	95-68-1
Benzene	71-43-2
Benzene, (1-methyl-1-pr	767-99-7
Benzene, (1-methyl-2-cyclopropen-1-yl)-	65051-83-4
Benzene, (2-methyl-1-propenyl	768-49-0
BENZENE, (FLUOROMETHYL)-	350-50-5
Benzene, 1,2,3,5-tetramethyl-	527-53-7
BENZENE, 1,2-DIETHYL-	135-01-3
Benzene, 1,3,5-triethyl-	102-25-0
Benzene, 1-bromo-2-fluoro-	1072-85-1
Benzene, 1-bromo-3-fluoro-	1073-06-9
BENZENE, 1-CHLORO-3-(TRIFLUOROMETHYL)-	98-15-7
BENZENE, 1-CHLORO-4-(TRIFLUOROMETHYL)-	98-56-6
Benzene, 1-ethyl-2,3-di	933-98-2
Benzene, 1-ethyl-3-(1-methylethyl)-	4920-99-4
Benzene, 1-methyl-2-(2-	1587-04-8
BENZENE, 1-METHYL-4-(2-PROPENYL)-	3333-13-9
BENZENE, 1-METHYL-4-PROPYL-	1074-55-1
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6
Benzene, 4-ethenyl-1,2-dimethyl-	27831-13-6
Benzene, diethylmethyl-	25550-13-4
Benzene, pentamethyl-	700-12-9
Benzeneacetaldehyde, .a	93-53-8
Benzeneacetaldehyde, .alpha.-oxo-, aldeh	22610-14-6
Benzenedicarboxylic acid, dihexyl ester (TIC)	84-75-3
Benzeneethanamine, N-((pentafluorophenyl	55429-85-1

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Benzidine	92-87-5
Benzo(a)pyrene	50-32-8
Benzo(a)pyrene-d12	63466-71-7
Benzo(b)fluoranthene	205-99-2
Benzo(b)thiophene	95-15-8
Benzo(e)pyrene	192-97-2
Benzo(g,h,i)perylene	191-24-2
Benzo(k)fluoranthene	207-08-9
Benzocycloheptatriene	264-09-5
Benzoic Acid	65-85-0
Benzoic acid, 2-((trimethylsilyl)oxy)-,	3789-85-3
BENZONITRILE, 4-METHOXY-	874-90-8
Benzyl Alcohol	100-51-6
Beryllium	7440-41-7
beta-BHC	319-85-7
Bicyclo(2.2.1)hept-2-en	464-17-5
Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet	464-48-2
Bicyclo(3.1.1)hept-2-ene, 3,6,6-trimethyl	4889-83-2
Bicyclo(3.1.1)heptane, 6,6-dimethyl-2-me	18172-67-3
Bicyclo(4.1.0)heptane, 7-methylene-	4544-26-7
Biochemical Oxygen Demand	BOD
Biphenyl	92-52-4
Bis(2-chloroethoxy)methane	111-91-1
Bis(2-Chloroethyl)ether	111-44-4
Bis(2-Chloroisopropyl)ether	39638-32-9
Bis(2-Ethylhexyl)phthalate	117-81-7
BOD, 5 DAY	BOD5
Boron	7440-42-8
b-pinene	127-91-3
Bromide	24959-67-9
Bromobenzene	108-86-1
Bromochlorobenzene	106-39-8
Bromoethane	74-96-4
BUTANAL	123-72-8
Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-	55471-01-7
BUTANE	106-97-8
BUTANE, 1,1,1,2,3,3,4,4,4-NONAFLUOR	594-91-2
BUTANE, 1-BROMO-	109-65-9
BUTANE, 2,2,3,3-TETRAMETHYL-	594-82-1
Butane, 2-iodo-2-methyl-	594-38-7
Butanoic acid, 3-methylbutyl ester	106-27-4
Butyl benzyl phthalate	85-68-7
Butyl butyrate	109-21-7
Butyl ether	142-96-1
Butylbenzenesulfonamide	3622-84-2
Butylcyclohexane	1678-93-9

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
C10H22 isomer	C10H22
C11H24 isomer	C11H24
C1-BENZANTHRENE/CHRYSENES	BENZ/CRYSC1
C1-DIBENZOTHIOPHENES	30995-64-3
C1-FLUORANTHENES/PYRENES	E17148362
C1-NAPHTHOBENZOTHIOPHENE	NAPHC1
C1-PHENANTHRENES	31711-53-2
C1-Phenanthrenes/Anthracenes	PHEN/ANTHC1
C1-PYRENES	PYRC1
C20-C34 Motor Oil (MRO)	MOILC20C34
C28-C40	DROC28C40
C2-BENZANTHRENE/CHRYSENES	BENZ/CRYSC2
C2-Chrysenes	CRYSC2
C2-DIBENZOTHIOPHENES	DBTC2
C2-Fluoranthenes/Pyrenes	FLUOR/PYRC2
C2-Fluorenes	FLC2
C2-NAPHTHALENES	NPHC2
C2-NAPHTHOBENZOTHIOPHENE	NAPHC2
C2-PHENANTHRENES	PHENC2
C2-PHENANTHRENES/ANTHRACENES	PHEN/ANTHC2
C2-PYRENES	PYRC2
C3-BENZANTHRENE/CHRYSENES	BENZ/CRYSC3
C3-Chrysenes	CRYSC3
C3-DIBENZOTHIOPHENES	DBTC3
C3-Fluoranthenes/Pyrenes	FLUOR/PYRC3
C3-Fluorenes	FLC3
C3-Naphthalenes	NPHC3
C3-NAPHTHOBENZOTHIOPHENES	NAPHC3
C3-PHENANTHRENES	PHENC3
C3-PHENANTHRENES/ANTHRACENES	PHEN/ANTHC3
C3-PYRENES	PYRC3
C4-BENZANTHRENE/CHRYSENES	BENZ/CRYSC4
C4-Chrysenes	CRYSC4
C4-Dibenzothiophenes	DBTC4
C4-Fluoranthenes/pyrenes	FLUOR/PYRC4
C4-Naphthalenes	NPHC4
C4-PHENANTHRENES	PHENC4
C4-PHENANTHRENES/ANTHRACENES	PHEN/ANTHC4
C4-PYRENES	PYRC4
C6-C10	DROC6C10
Cadmium	7440-43-9
Calcium	7440-70-2
Camphene	79-92-5
Caprolactam	105-60-2
Carbazole	86-74-8
Carbon dioxide	124-38-9

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Carbon Disulfide	75-15-0
Carbon Tetrachloride	56-23-5
Carbonic acid, dimethyl ester	616-38-6
Carbonic acid, dipropyl	623-96-1
CARBONYL SULFIDE	463-58-1
CFC-11	75-69-4
CFC-114	76-14-2
CFC-12	75-71-8
Chemical Oxygen Demand	E1641638
Chlordane	57-74-9
CHLOROACETONITRILE	107-14-2
Chlorobenzene	108-90-7
Chlorodibromomethane	124-48-1
Chloroethane	75-00-3
Chloroform	67-66-3
Chloromethane	74-87-3
Chloromethylbenzene	100-44-7
Chloroprene	126-99-8
Chlorpyrifos	2921-88-2
Cholestane	481-21-0
Chromium	7440-47-3
Chrysene	218-01-9
cis-1,2-Dichloroethene	156-59-2
cis-1,3-Dichloropropene	10061-01-5
CIS-1-ETHYL-3-METHYL-CYCLOHEXANE	19489-10-2
cis-2-Butene	590-18-1
cis-2-Heptene	6443-92-1
cis-2-Hexene	7688-21-3
cis-2-Nonene	6434-77-1
cis-2-Pentene	627-20-3
cis-3-Heptene	7642-10-6
cis-3-Nonene	20237-46-1
Cis-5-Methyl-2-Hexene	13151-17-2
cis-Chlordane	5103-71-9
Clay	Clay
Clay_Control	Clay_Control
Cobalt	7440-48-4
COLIFORM, FECAL	FECCOLIFORM
COLIFORM, TOTAL	TOTCOLIFORM
Color (True)	COLOR
Conductivity (umhos/cm)	GIS-210-011
Copper	7440-50-8
Coronene	191-07-1
Coumaphos	56-72-4
Crassostrea gigas	E1903954
Cresol	1319-77-3

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
ctc-1,2,3-Trimethylcyclopentane	BDO-420
ctc-1,2,4-Trimethylcyclohexane	BDO-395
ctt-1,2,4-Trimethylcyclohexane	BDO-389
ctt-1,2,4-Trimethylcyclopentane	BDO-1555
Cumene	98-82-8
Cyclobutane, ethyl-	4806-61-5
Cycloheptanol	502-41-0
Cyclohexane	110-82-7
Cyclohexane, 1,1'-(1,3-propanediyl)bis-	3178-24-3
Cyclohexane, 1,1'-(1,4-butanediyl)bis-	6165-44-2
Cyclohexane, 1,1,3-trimethyl-	3073-66-3
Cyclohexane, 1,2,4-trimethyl-	2234-75-5
Cyclohexane, 1,2,4-trimethyl-, (1.alpha.	7667-60-9
Cyclohexane, 1,2-dimethyl-, cis-	2207-01-4
Cyclohexane, 1,2-dimethyl- (cis/trans)	583-57-3
Cyclohexane, 1,2-dimethyl-, trans-	6876-23-9
Cyclohexane, 1,3,5-trimethyl-	1795-27-3
CYCLOHEXANE, 1,3-DIMETHYL-	591-21-9
Cyclohexane, 1,4-dimethyl-	589-90-2
Cyclohexane, 1,4-dimethyl-, cis-	624-29-3
Cyclohexane, 1-ethyl-2-methyl-	3728-54-9
Cyclohexane, 1-ethyl-2-methyl-, trans-	4923-78-8
CYCLOHEXANE, 1-ETHYL-4-METHYL-, CIS	4926-78-7
Cyclohexane, 1-ethyl-4-methyl-, trans-	6236-88-0
Cyclohexane, 1-methyl-2-propyl-	4291-79-6
Cyclohexane, 1-methyl-4	6069-98-3
Cyclohexane, (1-methylethyl)-	696-29-7
CYCLOHEXANE, 2-BUTYL-1,1,3-TRIMETHYL-	54676-39-0
Cyclohexane, pentyl-	4292-92-6
CYCLOHEXANE, PROPYL-	1678-92-8
CYCLOHEXANOL	108-93-0
Cyclohexanol, 1-ethynyl-	78-27-3
CYCLOHEXANONE	108-94-1
Cyclohexene, 1-methyl-4	5989-54-8
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (.+/-.)-	7705-14-8
Cyclohexene, 1-methyl-4-(1-methylethylidene)-	586-62-9
Cyclohexene, 1-methyl-5	13898-73-2
Cyclooctane, 1,5-dimeth	21328-57-4
Cyclooctane, methyl-	1502-38-1
Cyclopenta(cd)pyrene	27208-37-3
Cyclopentane	287-92-3
Cyclopentane, 1,2,3-trimethyl-, (1.alpha	15890-40-1
Cyclopentane, 1,2,4-trimethyl-, (1.alpha	4850-28-6
Cyclopentane, 1,3-dimethoxy-, trans-	29887-57-8
Cyclopentane, 1,3-dimethyl-	2453-00-1
CYCLOPENTANE, 1,3-DIMETHYL-, CIS-	2532-58-3

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
CYCLOPENTANE, 1,3-DIMETHYL-, TRANS-	1759-58-6
Cyclopentane, decyl-	1795-21-7
Cyclopentane, pentyl-	3741-00-2
Cyclopentanone	120-92-3
Cyclopentanone, 2-ethyl-	4971-18-0
Cyclopentene	142-29-0
CYCLOPENTENE, 1,5-DIMETHYL-	16491-15-9
CYCLOPENTYLETHYNE	930-51-8
Cyclopropane, 1,1,2-trimethyl-	4127-45-1
Cyclopropane, 1,2-dimeth	2402-06-4
Cyclopropane, 1,2-dimethyl-, cis-	930-18-7
CYCLOPROPANECARBOXYLIC ACID	1759-53-1
D1-Diasterane-27(S)	BDO-547
D2-DIASTERANE-27(R)	BDO-548
D3a-Diasterane-28(S)	BDO-549
D3-Diasterane-28(S)	BDO-550
D4a-Diasterane-28(R)	BDO-551
D4-Diasterane-28(R)	BDO-552
D5-Diasterane-29(S)	BDO-553
D6-Diasterane-29(R)	BDO-554
Dalapon	75-99-0
Decachlorobiphenyl	2051-24-3
Decahydronaphthalene	91-17-8
Decamethylcyclopentasiloxane	541-02-6
DECANAL	112-31-2
decane	124-18-5
Decane, 1,1'-oxybis-	2456-28-2
DECANE, 2,2,3-TRIMETHYL-	62338-09-4
DECANE, 2,2,4-TRIMETHYL-	62237-98-3
DECANE, 2,2,5-TRIMETHYL-	62237-96-1
Decane, 2,2,6-trimethyl-	62237-97-2
DECANE, 2,2,8-TRIMETHYL-	62238-01-1
DECANE, 2,2,9-TRIMETHYL-	62238-00-0
DECANE, 2,5,6-TRIMETHYL-	62108-23-0
DECANE, 2,5-DIMETHYL-	17312-50-4
DECANE, 2,6,7-TRIMETHYL-	62108-25-2
DECANE, 2-METHYL-	6975-98-0
Decane, 3,3,4-trimethyl-	49622-18-6
Decane, 3-methyl-	13151-34-3
Demeton	8065-48-3
Density	DENSITY
Di(2-ethylhexyl) sodium sulfosuccinate	577-11-7
DI(Propylene Glycol)ButylEther	29911-28-2
Diazinon	333-41-5
Dibenz(a,h)anthracene	53-70-3
Dibenzofuran	132-64-9

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Dibenzothiophene	132-65-0
Dibromofluoromethane	1868-53-7
Dibromomethane	74-95-3
Dicamba	1918-00-9
Dichlorobromomethane	75-27-4
Dichloroprop	120-36-5
Dichlorvos	62-73-7
Dieldrin	60-57-1
DIESEL RANGE ORGANICS	68334-30-5
DIESEL RANGE ORGANICS (C10-C28)	DROC10C28
DIETHYL ETHER	60-29-7
Diethyl phthalate	84-66-2
Diisopropyl Ether	108-20-3
Dimethoate	60-51-5
Dimethyl bromide	Di74-83-9
Dimethyl phthalate	131-11-3
Dimethyl sulfide	75-18-3
DIMETHYL SULFONE	67-71-0
Dimethylcyclohexane	590-66-9
Dimethyldecane (TIC)	DMC10N
Dimethylheptane	30498-66-9
Dimethyloctane (TIC)	DMC8N
Dimethylundecane (TIC)	79004-83-4
Di-n-butylphthalate	84-74-2
Di-n-octylphthalate	117-84-0
Dinoseb	88-85-7
Diphenylsulfone	127-63-9
Disperant Marker Total	DISMRKTOT
Dispersant Marker 1	DISMRK1
Dispersant Marker 2	DISMRK2
Dispersibility	DISP
Dissolved Oxygen	DISS_OXYGEN
Disulfide, ethyl 1-methylethyl	53966-36-2
Disulfoton	298-04-4
D-Limonene	5989-27-5
Docosane	629-97-0
Dodecane	112-40-3
Dodecane, 1-fluoro-	334-68-9
Dodecane, 2,5-dimethyl-	56292-65-0
Dodecane, 2,6,10-trimethyl-	3891-98-3
Dodecane, 2,6,11-trimet	31295-56-4
Dodecane, 2,7,10-trimethyl-	74645-98-0
Dodecane, 5-methyl-	17453-93-9
DODECANE, 6-METHYL-	6044-71-9
Dotriacontane	544-85-4
DPnB-Peak1	29911-28-2-PK1

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
DPnB-Peak2	29911-28-2-PK2
Eicosane	112-95-8
Endosulfan Sulfate	1031-07-8
Endrin	72-20-8
Endrin aldehyde	7421-93-4
Endrin ketone	53494-70-5
ESCHERICHIA COLI	ECOLIFORM
Ethane	74-84-0
ETHANE, 1,1-DIFLUORO-	75-37-6
Ethane, isocyano-	624-79-3
Ethanesulfonyl fluoride	754-03-0
Ethanol	64-17-5
Ethanone, 1-(3-methylphenyl)-	585-74-0
Ethoprop	13194-48-4
Ethyl Acetate	141-78-6
Ethyl Acrylate	140-88-5
Ethyl amyl ketone	106-68-3
Ethyl hexanoate	123-66-0
ETHYL METHACRYLATE	97-63-2
Ethyl Parathion	56-38-2
Ethyl tert-butyl Ether	637-92-3
Ethylamine	75-04-7
Ethylbenzene	100-41-4
Ethylcyclohexane	1678-91-7
Ethylene	74-85-1
Ethylene glycol monobutyl ether	111-76-2
Ethylene oxide	75-21-8
ETHYNE, CHLORO-	593-63-5
Eucalyptol	470-82-6
Fensulfothion	115-90-2
Fenthion	55-38-9
FLASHPOINT	FLASHPT
Fluoranthene	206-44-0
Fluoranthene-d10	93951-69-0
Fluorene	86-73-7
Fluorene-d10	81103-79-9
Fluoride	16984-48-8
FORMAMIDE, N,N-DIMETHYL-	68-12-2
FORMAMIDE, N-ETHYL-N-PHENYL-	5461-49-4
Free Liquids	FLIQUIDS
Furan, 2,5-dihydro-	1708-29-8
Furan, 2-pentyl-	3777-69-3
gamma-BHC (Lindane)	58-89-9
Gasoline Range Organics	8006-61-9
Glycidol	556-52-5
Glycolic acid	79-14-1

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
H2O	7732-18-5
H2O_Control	H2O_Control
Halon 1011	74-97-5
Hardness	HARD
HCFC-21	75-43-4
HCFC-22	75-45-6
Heneicosane	629-94-7
Hentriacontane	630-04-6
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
Heptacosane	593-49-7
Heptadecane	629-78-7
Heptanal	111-71-7
Heptane	142-82-5
HEPTANE, 1,1'-OXYBIS-	629-64-1
HEPTANE, 1-BROMO-	629-04-9
HEPTANE, 2,2,3,4,6,6-HEXAMETHYL-	62108-32-1
HEPTANE, 2,2,4,6,6-PENTAMETHYL-	13475-82-6
HEPTANE, 2,2,4-TRIMETHYL-	14720-74-2
HEPTANE, 2,3-DIMETHYL-	3074-71-3
HEPTANE, 2,4-DIMETHYL-	2213-23-2
Heptane, 2,6-dimethyl-	1072-05-5
HEPTANE, 3,3,5-TRIMETHYL-	7154-80-5
HEPTANE, 3,3-DIMETHYL-	4032-86-4
HEPTANE, 3-ETHYL-2-METHYL-	14676-29-0
HEPTANE, 3-METHYLENE-	1632-16-2
Heptane, 4-propyl-	3178-29-8
HEPTANE, HEXADECAFLUORO-	335-57-9
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachlorocyclopentadiene	77-47-4
Hexachloroethane	67-72-1
Hexacosane	630-01-3
Hexadecane	544-76-3
Hexadecane, 2,6,11,15-t	504-44-9
Hexadecenoic acid, methyl ester (TIC)	112-39-0
Hexaldehyde	66-25-1
Hexamethylcyclotrisiloxane	541-05-9
Hexane	110-54-3
HEXANE, 1-BROMO-	111-25-1
Hexane, 2,2,4-trimethyl	16747-26-5
Hexane, 2,2,5-trimethyl-	3522-94-9
HEXANE, 2,2-DIMETHYL-	590-73-8
HEXANE, 2,4-DIMETHYL-	589-43-5
Hexanedioic acid, .alpha.-keto oxime, (trimethylsilyl)	NIST-53158
Hexanoic acid, propyl e	626-77-7

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
HEXATRIACONTANE	630-06-8
Hydrogen ion	1333-74-0
HYDROGEN SULFIDE	7783-06-4
Hydroxylamine, O-decyl-	29812-79-1
Indan, 1-methyl-	767-58-8
INDANE	496-11-7
Indene	95-13-6
Indeno(1,2,3-cd)pyrene	193-39-5
IODOMETHANE	74-88-4
Iron	7439-89-6
Isobutane	75-28-5
Isobutanol	78-83-1
Isobutene	115-11-7
Isobutene/1-Butene	115-11-7/106-98-9
Isooctane	26635-64-3
Isophorone	78-59-1
Isoprene	78-79-5
Isoprenoid RRT 1380	E17075045-1380
Isoprenoid RRT 1470	E17075045-1470
Isopropanol	67-63-0
Isopropylcyclopentane	3875-51-2
Lead	7439-92-1
Leptocheirus	E1892462
Leptocheirus plumulosus	E1852623
LIMONENE	138-86-3
Lithium	7439-93-2
LP-SED Tox-Control (Leptocheirus plumulosus)	E1852623 (Control)
LP-SED Tox-Sample (Leptocheirus plumulosus)	E1852623 (Sample)
m,p-Xylene	179601-23-1
Magnesium	7439-95-4
Malathion	121-75-5
Manganese	7439-96-5
MB-SED Tox-Control (Mysidopsis bahia)	E1896422 (Control)
MB-SED Tox-Sample (Mysidopsis bahia)	E1896422 (Sample)
MCPA	94-74-6
m-cymene	535-77-3
m-Dichlorobenzene	541-73-1
m-Diethylbenzene	141-93-5
ME-Acute Tox-Control (Menidia beryllina)	E1972785 (Control)
ME-Acute Tox-Sample (Menidia beryllina)	E1972785 (Sample)
Mecoprop	93-65-2
Menidia beryllina	E1972785
Mercury	7439-97-6
Merphos	150-50-5
Mesityl oxide	141-79-7
METHACRYLONITRILE	126-98-7

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
METHANE, ISOCYANO-	593-75-9
Methanol	67-56-1
Methoxychlor	72-43-5
Methyl Acetate	79-20-9
Methyl Azinphos (Guthion)	86-50-0
Methyl bromide	74-83-9
Methyl disulfide	624-92-0
Methyl ethyl disulphide	20333-39-5
Methyl ethyl ketone	78-93-3
Methyl isoamyl ketone	110-12-3
Methyl isobutyl ketone	108-10-1
Methyl Methacrylate	80-62-6
Methyl Parathion	298-00-0
Methyl propyl disulfide	2179-60-4
Methyl tert-butyl disulfide	35166-82-6
Methyl tert-butyl ether	1634-04-4
METHYLACRYLATE	96-33-3
Methylbutadiene	308067-72-3
Methylbutane	102056-77-9
Methylchrysene	41637-90-5
Methylcyclohexane	108-87-2
METHYLCYCLOPENTANE	96-37-7
Methyldecane	MC10N
Methylene Chloride	75-09-2
Methylfluorene	26914-17-0
Methylheptane	MC7N
Methylnaphthalene	1321-94-4
Methylnonane	63335-87-5
Methyloctane	61193-19-9
Methylpentane	43133-95-5
m-Ethyltoluene	620-14-4
Methylundecane	MEC11N
Mevinphos	7786-34-7
M-METHOXYBENZONTRILE	1527-89-5
MMT	12108-13-3
m-Nitroaniline	99-09-2
Molybdenum	7439-98-7
Monocrotophos	6923-22-4
Mortality (%)	MORT
m-Xylene	108-38-3
Mysidopsis	E1896406
Mytilus galloprovincialis	E1944156
Naled	300-76-5
n-Amyl acetate	628-63-7
Naphthalene	91-20-3
Naphthalene, 1-(1,1-dim	56292-64-9

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Naphthalene, 1,7-dimeth	575-37-1
Naphthalene, 2,3-dimeth	581-40-8
Naphthalene, 2,7-dimeth	582-16-1
Naphthalene-d8	1146-65-2
NAPHTHALENE, DECAHYDRO-2-METHYL-	2958-76-1
Naphthobenzothiophene	224-10-2
n-Butyl acetate	123-86-4
n-Butylbenzene	104-51-8
n-Butylcyclopentane	2040-95-1
nC-15 Pentadecane	629-62-9
Neanthes arenaceodentata	E1928233
n-Heptatriacontane	7194-84-5
Nickel	7440-02-0
Nitrate/Nitrite as N	STORET 006
Nitrobenzene	98-95-3
Nitrobenzene-d5	4165-60-0
Nitroethane	79-24-3
Nitrogen	7727-37-9
NITROGEN, KJELDAHL, TOTAL	KN
N-Nitrosodimethylamine	62-75-9
n-Nitrosodi-n-propylamine	621-64-7
N-Nitrosodiphenylamine	86-30-6
n-Nitrosodiphenylamine/Diphenylamine	122-39-4
n-Nonatriacontane	7194-86-7
NO VOLATILES FOUND	NVF
n-Octatriacontane	7194-85-6
Nonacosane	630-03-5
Nonadecane	629-92-5
Nonanal	124-19-6
Nonane	111-84-2
NONANE, 1-BROMO-	693-58-3
Nonane, 2,6-dimethyl-	17302-28-2
Nonane, 2-methyl-	871-83-0
NONANE, 3,7-DIMETHYL-	17302-32-8
NONANE, 3-METHYL-	5911-04-6
Nonane, 3-methyl-5-propyl-	31081-18-2
Nonane, 4-methyl-	17301-94-9
NORPRISTANE (1650)	3892-00-0
n-Pentatriacontane	630-07-9
n-Pentylbenzene	538-68-1
n-Tetracontane	4181-95-7
o-Chlorophenol	95-57-8
o-Chlorotoluene	95-49-8
Octacosane	630-02-4
Octadecane	593-45-3
Octamethylcyclotetrasiloxane	556-67-2

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Octanal	124-13-0
Octane	111-65-9
OCTANE, 1-BROMO-	111-83-1
OCTANE, 2,2,6-TRIMETHYL-	62016-28-8
OCTANE, 2,2-DIMETHYL-	15869-87-1
OCTANE, 2,4,6-TRIMETHYL-	62016-37-9
OCTANE, 2,5,6-TRIMETHYL-	62016-14-2
Octane, 2,6-dimethyl-	2051-30-1
Octane, 3,5-dimethyl-	15869-93-9
Octane, 2-methyl-	3221-61-2
Octane, 3-methyl-	2216-33-3
OCTANE, 4-ETHYL-	15869-86-0
OCTANE, 4-METHYL-	2216-34-4
o-Cymene	527-84-4
o-Dichlorobenzene	95-50-1
O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate	2104-64-5
o-Ethyltoluene	611-14-3
o-Fluorophenol	367-12-4
Oil and Grease	OILGREASE
Oil and Grease, HEM	OILGREASEHEM
Oil Range Organics	ORO
Oil Range Organics (C-19-C36)	OROC19C36
OIL RANGE ORGANICS (C28-C35)	OROC28C35
OIL RANGE ORGANICS (C28-C40)	OROC28C40
Oleic Acid	112-80-1
o-Nitroaniline	88-74-4
o-Nitrophenol	88-75-5
o-Terphenyl	84-15-1
o-Tolualdehyde	529-20-4
Oxirane, ((dodecyloxy)m	2461-18-9
Oxirane, 2-methyl-3-propyl-, cis-	6124-90-9
OXIRANE, ETHYL-	106-88-7
OXIRANE, TETRADECYL-	7320-37-8
Oxygen	7782-44-7
o-Xylene	95-47-6
Oxypentanoic acid	R4-8000781
p,p'-DDD	72-54-8
p,p'-DDE	72-55-9
p,p'-DDT	50-29-3
Paint Filter Test	PFT
Palmitic acid	57-10-3
p-Bromofluorobenzene	460-00-4
p-Bromophenyl phenyl ether	101-55-3
PCB-1016	12674-11-2
PCB-1221	11104-28-2
PCB-1232	11141-16-5

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
PCB-1242	53469-21-9
PCB-1248	12672-29-6
PCB-1254	11097-69-1
PCB-1260	11096-82-5
PCB-1262	37324-23-5
PCB-1268	11100-14-4
p-Chloroaniline	106-47-8
p-Chloro-m-cresol	59-50-7
p-Chlorophenyl phenyl ether	7005-72-3
p-Chlorotoluene	106-43-4
p-Cymene	99-87-6
p-Dichlorobenzene	106-46-7
p-Diethylbenzene	105-05-5
Pentachloroanisole	1825-21-4
PENTACHLOROETHANE	76-01-7
Pentachloronitrobenzene	82-68-8
Pentachlorophenol	87-86-5
Pentacosane	629-99-2
Pentadecanoic acid (TIC)	1002-84-2
Pentadecanoic acid, methyl ester (TIC)	7132-64-1
Pentanal	110-62-3
Pentane	109-66-0
PENTANE, 1-BROMO-	110-53-2
PENTANE, 2,2,3,4-TETRAMETHYL-	1186-53-4
Pentane, 2,3,3-trimethyl-	560-21-4
Pentane, 3-ethyl-	617-78-7
Pentane, 3-ethyl-3-methyl-	1067-08-9
PENTANE, DODECAFLUORO-	678-26-2
Perylene	198-55-0
p-Ethyltoluene	622-96-8
Petroleum Range Organics (PRO)-C8-C40	TPHPRO
pH	PH
Phenanthrene	85-01-8
Phenanthrene-d10	1517-22-2
Phenanthridine	229-87-8
Phenol	108-95-2
Phenol-d5	4165-62-2
Phorate	298-02-2
Phosphorus	7723-14-0
Phytane	638-36-8
Phytol	7541-49-3
Pinene (TIC)	7785-26-4
Piperazine, 2-methyl-	109-07-9
PM2.5	EDF-213
p-Nitroaniline	100-01-6
p-Nitrophenol	100-02-7

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Polychlorinated biphenyls, Total	1336-36-3
Potassium	7440-09-7
Pour Point	POURPOINT
Pristane	1921-70-6
PROPANAL, 2,2-DIMETHYL-	630-19-3
Propane	74-98-6
PROPANE, 1-BROMO-	106-94-5
PROPANE, 2-BROMO-	75-26-3
Propanoic acid, 2-methy	97-87-0
Propanoic acid, 2-methyl-, 2-methylpropyl-	97-85-8
Propanoic acid, 2-propenyl ester	2408-20-0
PROPIONITRILE	107-12-0
Propiophenone	93-55-0
Propylbenzene	103-65-1
Propylene	115-07-1
Propylene Glycol	57-55-6
Propyne	74-99-7
Prothiofos	34643-46-4
PS-Chronic Tox-Control(Farfantepanaeus duorarum-pink shrimp)	Pink Shrimp_C
PS-Chronic Tox-Sample(Farfantepanaeus duorarum-pink shrimp)	Pink Shrimp_S
p-Trimethylsilyloxyphenyl-bis(trimehylsilyloxy) ethane	NIST-51305
p-Xylene	106-42-3
Pyrene	129-00-0
Pyrene-d10	1718-52-1
Pyridine	110-86-1
Reactivity Cyanide	57-12-5
Retene	483-65-8
Riser Fluid	RFLUID
Ronnel	299-84-3
S10-METHYLDIACHOLESTANE	BDO-543
S11-METHYLDIACHOLESTANE	BDO-544
S12-CHOLESTANE	BDO-510
S14-CHOLESTANE (20R)	BDO-518
S15-CHOLESTANE (20S)	BDO-519
S18-ETHYLDIACHOLESTANE	BDO-512
S19-ETHYLDIACHOLESTANE	BDO-513
S1-PREGNANE	24909-91-9
S20-METHYLCHOLESTANE	BDO-514
S22-METHYLCHOLESTANE(20R)	BDO-520
S23-METHYLCHOLESTANE(20S)	BDO-521
S24-METHYLCHOLESTANE	BDO-515
S25-ETHYLCHOLESTANE	BDO-516
S26-ETHYLCHOLESTANE(20R)	BDO-522
S27-ETHYLCHOLESTANE(20S)	BDO-523
S28-ETHYLCHOLESTANE	BDO-517
S29-C30CHOLESTANE(R)	BDO-545

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
S2-PREGNANE	BDO-540
S30-C30CHOLESTANE(S)	BDO-546
S4-DIACHOLESTANE	BDO-507
S5-DIACHOLESTANE	BDO-508
S6-DIACHOLESTANE	BDO-541
S7-DIACHOLESTANE	BDO-542
S8-METHYLDIACHOLESTANE	BDO-509
SA-C21DIASTERANE	BDO-537
Salinity	SAL
Sand	308075-07-2
Sand_Control	Sand_Control
SB-C21STERANE	BDO-1474
SC-C22DIASTERANE	BDO-539
SC-Chronic Tox-Sample (Skeletonema costatum)	E1853597
SC-Chronic Tox-Sample (Skeletonema costatum)HIGH	E1853597-HIGH
SC-Chronic Tox-Sample (Skeletonema costatum)LOW	E1853597-LOW
SD-C22STERANE	BDO-1475
sec-Butylbenzene	135-98-8
Selenium	7782-49-2
Silanol, trimethyl-	1066-40-6
Silt	445
Silt_Control	Silt_Control
Silver	7440-22-4
SNMOC (Sum of Knowns)	SNMOC
Sodium	7440-23-5
SPECIFIC GRAVITY	SG
Stearic acid	57-11-4
Strontium	7440-24-6
Styrene	100-42-5
Sulfate	14808-79-8
Sulfide (Acid Soluble)	SREAC
Sulfite	14265-45-3
Sulfotep	3689-24-5
Sulfur	7704-34-9
Sulprofos	35400-43-2
Sum of Unknowns	SUMUNK
Surfactants	E52450939
T0-C19DITERPANE	BDO-524
T10-C29TRICYCLICTRITERPANE(R)	BDO-485
T11-Trisnorhopane(TS)	BDO-486
T12-TRISNORHOPANE(TM)	BDO-487
T13A-29,30-BISNORHOPANE	BDO-529
T13-TRISNORHOPANE	BDO-528
T14A-C28,C30BISNORHOPANE	BDO-488
T14B-C29,C25NORHOPANE	BDO-489
T14-BISNORHOPANE	BDO-530

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
T15-C29-Norhopane	BDO-490
T16-Norneohopane	BDO-491
T17-C30-NORMORETANE	BDO-493
T18-C30-OLEANANE	BDO-494
T19-C30 Hopane	BDO-495
T1-C20DITERPANE	BDO-525
T20-MORETANE	BDO-496
T21-C31-HOMOHOPANE(S)	BDO-497
T22A-GAMMACERANE	559-65-9
T22-C31-HOMOHOPANE(R)	BDO-498
T23-Homohopane	471-62-5
T24-HOMOMORETANE	BDO-533
T25-DIPLOPTENE	BDO-534
T26-C32-Bishomohopane(S)	BDO-499
T27-C32-Bishomohopane(R)	BDO-500
T28-BISHOMOMORETANE	BDO-535
T29-HOMOHOPANE	BDO-536
T2-C21DITERPANE	BDO-526
T30-C33-TRISHOMOHOPANE(S)	BDO-501
T31-C33-TRISHOMOHOPANE(R)	BDO-502
T32-Tetrakishomohopane(S)	BDO-503
T33-TETRAKISHOMOHOPANE(R)	BDO-504
T34-PENTAKISHOMOHOPANE(S)	BDO-505
T35-PENTAKISHOMOHOPANE(R)	BDO-506
T3-C22DITERPANE	BDO-527
T4-C23Diterpane	BDO-476
T5-C24DITERPANE	BDO-477
T6A-C24TETRACYCLIC TERPANE	BDO-479
T6B-C26TRICYCLIC(S)	BDO-480
T6-C25DITERPANE	BDO-478
T6C-C26TRICYCLIC(R)	BDO-481
T7-C28Tricyclictriterpane(S)	BDO-482
T8-C28Tricyclictriterpane(R)	BDO-483
T9-C29Tricyclictriterpane(S)	BDO-484
Tartaric acid, diethyl ester	87-91-2
t-Butyl Alcohol	75-65-0
Temperature (±1°C)	TEMP
TENTATIVELY IDENTIFIED COMPOUNDS	TIC
Tentatively Identified Compounds(1)	TIC-1
Tentatively Identified Compounds(10)	TIC-10
Tentatively Identified Compounds(11)	TIC-11
Tentatively Identified Compounds(12)	TIC-12
Tentatively Identified Compounds(13)	TIC-13
Tentatively Identified Compounds(14)	TIC-14
Tentatively Identified Compounds(15)	TIC-15
Tentatively Identified Compounds(16)	TIC-16

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Tentatively Identified Compounds(17)	TIC-17
Tentatively Identified Compounds(18)	TIC-18
Tentatively Identified Compounds(19)	TIC-19
Tentatively Identified Compounds(2)	TIC-2
Tentatively Identified Compounds(20)	TIC-20
Tentatively Identified Compounds(21)	TIC-21
Tentatively Identified Compounds(22)	TIC-22
Tentatively Identified Compounds(23)	TIC-23
Tentatively Identified Compounds(24)	TIC-24
Tentatively Identified Compounds(25)	TIC-25
Tentatively Identified Compounds(26)	TIC-26
Tentatively Identified Compounds(27)	TIC-27
Tentatively Identified Compounds(3)	TIC-3
Tentatively Identified Compounds(4)	TIC-4
Tentatively Identified Compounds(5)	TIC-5
Tentatively Identified Compounds(6)	TIC-6
Tentatively Identified Compounds(7)	TIC-7
Tentatively Identified Compounds(8)	TIC-8
Tentatively Identified Compounds(9)	TIC-9
Terphenyl-d14	1718-51-0
tert-Amyl Methyl Ether	994-05-8
tert-Amylbenzene	2049-95-8
tert-Butylbenzene	98-06-6
Tetrachloroethylene	127-18-4
Tetrachloro-m-xylene	877-09-8
Tetrachlorvinphos	22248-79-9
Tetracosane	646-31-1
Tetradecanal	124-25-4
Tetradecane	629-59-4
Tetradecanoic Acid	544-63-8
Tetraethyl pyrophosphate	107-49-3
Tetrahydrofuran	109-99-9
Tetratriacontane	14167-59-0
Thallium	7440-28-0
THC AS GAS	THC
Thiophene	110-02-1
Thiophene, 2-ethyltetrahydro-	1551-32-2
Thiophene, tetrahydro-2-methyl-	1795-09-1
Tin	7440-31-5
Titanium	7440-32-6
TOC	TOC
TOC_Control	TOC_Control
Toluene	108-88-3
Toluene-d8	2037-26-5
Total Ammonia	TOTNH3
Total BTEX	TOTBTEX

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Total Carbon	7440-44-0
Total Chlorine	7782-50-5 (TOTAL)
Total Non-Methane Organic Carbon	TNMOC
Total Organic Halides	E701268
Total PAH	TPAH
Total Petroleum Hydrocarbons as Diesel	TPH(Diesel)
Total Petroleum Hydrocarbons as Oil	TPH(Oil)
Total Phenolics	64743-03-9
Total Residual Chlorine	7782-50-5
Total Resolved SHC (C9-C40)	TOTRSHCC9C40
Total Sediment and Water	TOTALSED
Total SHC	TOTSHC
Total Suspended Solids	TSS
TOTAL VOCS AS GASOLINE	86290-81-5
Total VOCS as Heptane	TOTVOCHEP
Toxaphene	8001-35-2
TPH	8002-05-9
TPH ORO (>C28-C40)	PHC2840
TPH, Total (C9-C40)	PHC940
trans-1,2-Dichloroethylene	156-60-5
TRANS-1,3-DICHLOROPROPENE	10061-02-6
TRANS-1,4-DICHLORO-2-BUTENE	110-57-6
trans-1-Butyl-2-methylc	38851-70-6
trans-2-Butene	624-64-6
trans-2-Heptene	14686-13-6
trans-2-Hexene	4050-45-7
trans-2-Nonene	6434-78-2
trans-2-Pentene	646-04-8
trans-Chlordane	5103-74-2
trans-3-Heptene	14686-14-7
trans-3-Nonene	20063-92-7
trans-Crotonaldehyde	123-73-9
trans-Decahydronaphthalene	493-02-7
Triacontane	638-68-6
Tribromomethane	75-25-2
Trichloroethylene	79-01-6
Trichloronate	327-98-0
Tricosane	638-67-5
tridecane	629-50-5
Tridecane, 3-methylene-	19780-34-8
Trifluoroacetyl-isoborneol	70551-84-7
Trihalomethanes (four), total	E701045
Trimethylamine	75-50-3
Trimethylbenzene Isomer	25551-13-7
Trimethyl bromide	Tri74-83-9
Trimethylcyclohexane (TIC)	30498-63-6

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Triphenylphosphine oxide (TIC)	791-28-6
Trisulfide, dimethyl	3658-80-8
Tritriacontane	630-05-7
TRPH	TRPH
Turbidity	TURB
undecane	1120-21-4
Undecane, 2,10-dimethyl	17301-27-8
Undecane, 2,4-dimethyl-	17312-80-0
Undecane, 2,5-dimethyl-	17301-22-3
Undecane, 2,6-dimethyl-	17301-23-4
Undecane, 3,6-dimethyl-	17301-28-9
Undecane, 3,8-dimethyl-	17301-30-3
UNDECANE, 3-METHYL-	1002-43-3
UNDECANE, 4,6-DIMETHYL-	17312-82-2
UNDECANE, 4,7-DIMETHYL-	17301-32-5
UNDECANE, 5,7-DIMETHYL-	17312-83-3
Undecane, 5-methyl-	1632-70-8
Unidentified Compound(s)	R4-6501
Unknown	UNK
Unknown (01)	UNK-1
Unknown (02)	UNK-2
Unknown Branched Hydrocarbon	UBH
Unknown Branched Hydrocarbon (2)	UBH-2
Unknown Branched Hydrocarbon (3)	UBH-3
Unknown Branched Hydrocarbon (4)	UBH-4
UNKNOWN C7H10 HYDROCARBON	UNKC7H10HYDROCARB
UNKNOWN CYCLIC HYDROCARBON	UNKCYCHYDROCARB
UNKNOWN FLUOROCARBON	UNKFLUOROCARB
Unknown Hopane (01)	UNKHOPANE1
Unknown Hopane (02)	UNKHOPANE2
UNKNOWN HYDROCARBON	UNKHYDROCARB
Unknown Nitrogen-Sulfur Compound	UNKNSCOMP
UNKNOWN NITROGENOUS HYDROCARBON	UNKNHYDROCARB
Uranium-234 and/or uranium-235 and/or uranium-238	1685
UV 254 -- SDWA NPDWR	E1640549
Vanadium	7440-62-2
Vinyl acetate	108-05-4
Vinyl Bromide	593-60-2
Vinyl chloride	75-01-4
Vinylidene fluoride	75-38-7
Viscosity @ 122 F	VISC 122F
VISCOSITY, KIN, @ 50 C	VISCKIN50C
VS	VS
VS_Control	VS_Control
Xylenes, Total	1330-20-7
Yttrium	7440-65-5

Appendix F. Analyte to Cas_No Cross References

Valid Value - Analyte	Valid Value - Cas_No
Zinc	7440-66-6

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
445	Silt
1685	Uranium-234 and/or uranium-235 and/or uranium-238
2207-01-4	Cyclohexane, 1,2-dimethyl-, cis-
2402-06-4	Cyclopropane, 1,2-dimeth
2870-04-4	2-Ethyl-m-xylene
3913-02-8	2-Butyloctanol
5911-04-6	NONANE, 3-METHYL-
6089-09-4	4-Pentynoic acid
6094-02-6	2-Methyl-1-Hexene
7440-09-7	Potassium
7642-04-8	2-OCTENE, (Z)-
7642-10-6	cis-3-Heptene
7783-06-4	HYDROGEN SULFIDE
8002-05-9	TPH
% Gravel	% Gravel
% Moisture	% Moisture
% Sand	% Sand
% SILT CLAY	% Silt, Clay, Colloids
% Solids	% Solids
100-01-6	p-Nitroaniline
100-02-7	p-Nitrophenol
1002-43-3	UNDECANE, 3-METHYL-
1002-84-2	Pentadecanoic acid (TIC)
100-40-3	4-Vinylcyclohexene
100-41-4	Ethylbenzene
100-42-5	Styrene
100-44-7	Chloromethylbenzene
100-51-6	Benzyl Alcohol
100-52-7	Benzaldehyde
10061-01-5	cis-1,3-Dichloropropene
10061-02-6	TRANS-1,3-DICHLOROPROPENE
101-55-3	p-Bromophenyl phenyl ether
102056-77-9	Methylbutane
102-25-0	Benzene, 1,3,5-triethyl-
1024-57-3	Heptachlor epoxide
103-09-3	Acetic acid, 2-ethylhexyl ester
1031-07-8	Endosulfan Sulfate
103-11-7	2-PROPENOIC ACID, 2-ETHYLHEXYL ESTER
103-33-3	Azobenzene
103-65-1	Propylbenzene
10374-74-0	7-Tetradecene
10420-90-3	1,3-Hexadien-5-yne
104-51-8	n-Butylbenzene
104-76-7	2-Ethylhexanol
105-05-5	p-Diethylbenzene
105-60-2	Caprolactam

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
105-67-9	2,4-Dimethylphenol
106-27-4	Butanoic acid, 3-methylbutyl ester
106-35-4	3-Heptanone
106-39-8	Bromochlorobenzene
106-42-3	p-Xylene
106-43-4	p-Chlorotoluene
106-44-5	4-methylphenol
106-46-7	p-Dichlorobenzene
106-47-8	p-Chloroaniline
106631-38-3	1-Naphthalenepropanol, .alpha.-ethenyldecahydr
1066-40-6	Silanol, trimethyl-
106-68-3	Ethyl amyl ketone
1067-08-9	Pentane, 3-ethyl-3-methyl-
1067-20-5	3,3-Diethylpentane
106-88-7	OXIRANE, ETHYL-
106-93-4	1,2-DIBROMOETHANE
106-94-5	PROPANE, 1-BROMO-
106-97-8	BUTANE
106-98-9	1-Butene
106-99-0	1,3-Butadiene
107-02-8	Acrolein
107-05-1	Allyl Chloride
107-06-2	1,2-Dichloroethane
107-11-9	Allylamine
107-12-0	PROPIONITRILE
1071-26-7	2,2-dimethylheptane
107-13-1	Acrylonitrile
107-14-2	CHLOROACETONITRILE
1072-05-5	Heptane, 2,6-dimethyl-
1072-47-5	1,3-DIOXOLANE, 4-METHYL-
1072-85-1	Benzene, 1-bromo-2-fluoro-
1073-06-9	Benzene, 1-bromo-3-fluoro-
107-39-1	1-Pentene, 2,4,4-trimeth
1074-17-5	1-Methyl-2-propylbenzene
1074-43-7	1-Methyl-3-propylbenzene
1074-55-1	BENZENE, 1-METHYL-4-PROPYL-
107-49-3	Tetraethyl pyrophosphate
107-83-5	2-Methylpentane
107-87-9	2-Pentanone
108-05-4	Vinyl acetate
108-08-7	2,4-Dimethylpentane
108-10-1	Methyl isobutyl ketone
108-20-3	Diisopropyl Ether
10830-66-5	3-Ethoxy-1,1,1,5,5,5-hexamethyl-3-(trimethylsiloxy)trisiloxa
108-38-3	m-Xylene
108-39-4/106-44-5	3 and/or 4-Chlorophenol

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
108-67-8	1,3,5-Trimethylbenzene
108-86-1	Bromobenzene
108-87-2	Methylcyclohexane
108-88-3	Toluene
108-90-7	Chlorobenzene
108-93-0	CYCLOHEXANOL
108-94-1	CYCLOHEXANONE
108-95-2	Phenol
108-99-6	3-Methylpyridine
109-06-8	2-Methylpyridine
109-07-9	Piperazine, 2-methyl-
109-21-7	Butyl butyrate
109-65-9	BUTANE, 1-BROMO-
109-66-0	Pentane
109-67-1	1-Pentene
109-69-3	1-CHLOROBUTANE
109-99-9	Tetrahydrofuran
110-02-1	Thiophene
110-12-3	Methyl isoamyl ketone
110-43-0	2-Heptanone
110-53-2	PENTANE, 1-BROMO-
110-54-3	Hexane
110-57-6	TRANS-1,4-DICHLORO-2-BUTENE
110-62-3	Pentanal
110-75-8	2-Chloroethyl vinyl ether
110-82-7	Cyclohexane
110-86-1	Pyridine
110-93-0	6-Methyl-5-hepten-2-one
11096-82-5	PCB-1260
11097-69-1	PCB-1254
11100-14-4	PCB-1268
11104-28-2	PCB-1221
111-13-7	2-Octanone
1112-35-2	1,4-PENTADIENE, 3,3-DIMETHYL-
111-25-1	HEXANE, 1-BROMO-
11141-16-5	PCB-1232
111-44-4	Bis(2-Chloroethyl)ether
111-65-9	Octane
111-66-0	1-Octene
111-71-7	Heptanal
111-76-2	2-butoxyethanol
111-76-2	Ethylene glycol monobutyl ether
111-83-1	OCTANE, 1-BROMO-
111-84-2	Nonane
111-91-1	Bis(2-chloroethoxy)methane
1120-21-4	undecane

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
112-30-1	1-DECANOL
112-31-2	DECANAL
112-39-0	Hexadecenoic acid, methyl ester (TIC)
112-40-3	Dodecane
112-41-4	1-Dodecene
112-42-5	1-Undecanol
112-80-1	Oleic Acid
112-95-8	Eicosane
1146-65-2	Naphthalene-d8
115-07-1	Propylene
115-11-7	Isobutene
115-11-7/106-98-9	Isobutene/1-Butene
115-90-2	Fensulfothion
117-81-7	Bis(2-Ethylhexyl)phthalate
117-84-0	Di-n-octylphthalate
1186-53-4	PENTANE, 2,2,3,4-TETRAMETHYL-
118-74-1	Hexachlorobenzene
118-79-6	2,4,6-Tribromophenol
1198-84-1	4-Hydroxymandelic acid, ethyl ester, di-
120-12-7	Anthracene
120-36-5	Dichloroprop
120-82-1	1,2,4-Trichlorobenzene
120-83-2	2,4-Dichlorophenol
120-92-3	Cyclopentanone
12108-13-3	MMT
121-14-2	2,4-Dinitrotoluene
121-75-5	Malathion
122-39-4	n-Nitrosodiphenylamine/Diphenylamine
122-66-7	1,2-Diphenylhydrazine
123-05-7	2-Ethylhexanal
123-54-6	Acetylacetone
123-66-0	Ethyl hexanoate
123-72-8	BUTANAL
123-73-9	trans-Crotonaldehyde
123-86-4	n-Butyl acetate
123-91-1	1,4-Dioxane
123-92-2	1-Butanol, 3-methyl-, acetate
124-11-8	1-Nonene
124-13-0	Octanal
124-18-5	decane
124-19-6	Nonanal
124-25-4	Tetradecanal
124-38-9	Carbon dioxide
124-48-1	Chlorodibromomethane
12672-29-6	PCB-1248
12674-11-2	PCB-1016

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
126-98-7	METHACRYLONITRILE
126-99-8	Chloroprene
127-18-4	Tetrachloroethylene
127-63-9	Diphenylsulfone
127-91-3	b-pinene
129-00-0	Pyrene
131-11-3	Dimethyl phthalate
13151-17-2	Cis-5-Methyl-2-Hexene
13151-34-3	Decane, 3-methyl-
13194-48-4	Ethoprop
1319-77-3	Cresol
1321-94-4	Methylnaphthalene
13228-36-9	1H-Indole, 5-methyl-2-p
132-64-9	Dibenzofuran
132-65-0	Dibenzothiophene
1330-20-7	Xylenes, Total
1333-74-0	Hydrogen ion
1336-36-3	Polychlorinated biphenyls, Total
13389-42-9	2-OCTENE, (E)-
13475-82-6	HEPTANE, 2,2,4,6,6-PENTAMETHYL-
135-01-3	BENZENE, 1,2-DIETHYL-
135-98-8	sec-Butylbenzene
138-86-3	LIMONENE
13898-73-2	Cyclohexene, 1-methyl-5
140-88-5	Ethyl Acrylate
141-46-8	Acetaldehyde, hydroxy-
14167-59-0	Tetratriacontane
141-78-6	Ethyl Acetate
141-79-7	Mesityl oxide
141-93-5	m-Diethylbenzene
142-28-9	1,3-Dichloropropane
142-29-0	Cyclopentene
14265-45-3	Sulfite
142-82-5	Heptane
142-96-1	Butyl ether
14315-97-0	1,1,3-Trimethoxypropane
14676-29-0	HEPTANE, 3-ETHYL-2-METHYL-
14686-13-6	trans-2-Heptene
14686-14-7	trans-3-Heptene
14720-74-2	HEPTANE, 2,2,4-TRIMETHYL-
14808-79-8	Sulfate
14850-23-8	4-OCTENE, (E)-
1502-38-1	Cyclooctane, methyl-
150-50-5	Merphos
1517-22-2	Phenanthrene-d10
1527-89-5	M-METHOXYBENZONTRILE

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
1551-32-2	Thiophene, 2-ethyltetrahydro-
156-59-2	cis-1,2-Dichloroethene
156-60-5	trans-1,2-Dichloroethylene
15831-10-4	(3-and/or 4-)Methylphenol
15869-86-0	OCTANE, 4-ETHYL-
15869-87-1	OCTANE, 2,2-DIMETHYL-
15869-89-1	2,2-Dimethyloctane
15869-93-9	Octane, 3,5-dimethyl-
1587-04-8	Benzene, 1-methyl-2-(2-
15890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1.alpha
16066-10-7	1,3,5,7-Tetraethylcyclo
1617-18-1	3-Butenoic acid, ethyl ester
1632-16-2	HEPTANE, 3-METHYLENE-
1632-70-8	Undecane, 5-methyl-
16327-22-3	1,4-Cyclooctadiene
1634-04-4	Methyl tert-butyl ether
16491-15-9	CYCLOPENTENE, 1,5-DIMETHYL-
16746-87-5	1-Hexene, 3,4-dimethyl-
16747-26-5	Hexane, 2,2,4-trimethyl
1678-91-7	Ethylcyclohexane
1678-92-8	CYCLOHEXANE, PROPYL-
1678-93-9	Butylcyclohexane
16984-48-8	Fluoride
17057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethyl-
17060-07-0	1,2-Dichloroethane-d4
1708-29-8	Furan, 2,5-dihydro-
1718-51-0	Terphenyl-d14
1718-52-1	Pyrene-d10
1719-06-8	Anthracene-d10
17301-22-3	Undecane, 2,5-dimethyl-
17301-23-4	Undecane, 2,6-dimethyl-
17301-27-8	Undecane, 2,10-dimethyl
17301-28-9	Undecane, 3,6-dimethyl-
17301-30-3	Undecane, 3,8-dimethyl-
17301-32-5	UNDECANE, 4,7-DIMETHYL-
17301-94-9	Nonane, 4-methyl-
17302-28-2	Nonane, 2,6-dimethyl-
17302-32-8	NONANE, 3,7-DIMETHYL-
1730-37-6	1-Methylfluorene
17312-50-4	DECANE, 2,5-DIMETHYL-
17312-80-0	Undecane, 2,4-dimethyl-
17312-82-2	UNDECANE, 4,6-DIMETHYL-
17312-83-3	UNDECANE, 5,7-DIMETHYL-
17453-93-9	Dodecane, 5-methyl-
1758-88-9	2-Ethyl-p-xylene
1759-53-1	CYCLOPROPANECARBOXYLIC ACID

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
1759-58-6	CYCLOPENTANE, 1,3-DIMETHYL-, TRANS-
1795-09-1	Thiophene, tetrahydro-2-methyl-
1795-21-7	Cyclopentane, decyl-
1795-27-3	Cyclohexane, 1,3,5-trimethyl-
179601-23-1	m,p-Xylene
18172-67-3	Bicyclo(3.1.1)heptane, 6,6-dimethyl-2-me
1825-21-4	Pentachloroanisole
1868-53-7	Dibromofluoromethane
191-07-1	Coronene
1912-24-9	Atrazine
191-24-2	Benzo(g,h,i)perylene
1918-00-9	Dicamba
1921-70-6	Pristane
192-97-2	Benzo(e)pyrene
193-39-5	Indeno(1,2,3-cd)pyrene
19489-10-2	CIS-1-ETHYL-3-METHYL-CYCLOHEXANE
19549-87-2	2,4-Dimethyl-1-heptene
19780-34-8	Tridecane, 3-methylene-
19836-78-3	2-Oxazolidinone, 3-methy
198-55-0	Perylene
20063-92-7	trans-3-Nonene
20237-46-1	cis-3-Nonene
20333-39-5	Methyl ethyl disulphide
203-64-5	4H-Cyclopenta(def)phenanthrene
2037-26-5	Toluene-d8
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-
2040-95-1	n-Butylcyclopentane
2049-95-8	tert-Amylbenzene
2051-24-3	Decachlorobiphenyl
2051-30-1	Octane, 2,6-dimethyl-
205-99-2	Benzo(b)fluoranthene
206-44-0	Fluoranthene
207-08-9	Benzo(k)fluoranthene
208-96-8	Acenaphthylene
2104-64-5	O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate
21195-59-5	1,3,8-p-Menthatriene
21328-57-4	Cyclooctane, 1,5-dimeth
21382-98-9	4-(METHYLTHIO)BENZONITRILE
2179-60-4	Methyl propyl disulfide
218-01-9	Chrysene
2213-23-2	HEPTANE, 2,4-DIMETHYL-
2216-33-3	Octane, 3-methyl-
2216-34-4	OCTANE, 4-METHYL-
22248-79-9	Tetrachlorvinphos
2234-75-5	Cyclohexane, 1,2,4-trimethyl-
224-10-2	Naphthobenzothiophene

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
2245-38-7	1,6,7-Trimethylnaphthalene
22610-14-6	Benzeneacetaldehyde, .alpha.-oxo-, aldeh
229-87-8	Phenanthridine
2381-21-7	1-Methylpyrene
2408-20-0	Propanoic acid, 2-propenyl ester
2437-56-1	1-Tridecene
2453-00-1	Cyclopentane, 1,3-dimethyl-
24535-53-3	4-Nitro-4'-chlorodiphenylsulphoxide
2456-28-2	Decane, 1,1'-oxybis-
2461-15-6	2-Ethylhexyl glycidyl ether
2461-18-9	Oxirane, ((dodecyloxy)m
2463-77-6	2-Undecenal
24695-70-3	7a,9c-(Iminoethano)phen
2471-83-2	1H-Indene, 1-ethylidene-
24909-91-9	S1-PREGNANE
24959-67-9	Bromide
2532-58-3	CYCLOPENTANE, 1,3-DIMETHYL-, CIS-
25447-95-4	2-palmitoleic acid
2549-68-0	2,3-DIMETHYL-AZIRIDINE
25550-13-4	Benzene, diethylmethyl-
25551-13-7	Trimethylbenzene Isomer
264-09-5	Benzocycloheptatriene
26635-64-3	Isooctane
26914-17-0	Methylfluorene
27133-93-3	2,3-Dihydro-1-methylindene
27208-37-3	Cyclopenta(cd)pyrene
27831-13-6	Benzene, 4-ethenyl-1,2-dimethyl-
287-92-3	Cyclopentane
2921-88-2	Chlorpyrifos
2958-76-1	NAPHTHALENE, DECAHYDRO-2-METHYL-
298-00-0	Methyl Parathion
298-02-2	Phorate
298-04-4	Disulfoton
29812-79-1	Hydroxylamine, O-decyl-
29887-57-8	Cyclopentane, 1,3-dimethoxy-, trans-
29911-28-2	DI(Propylene Glycol)ButylEther
29911-28-2-PK1	DPnB-Peak1
29911-28-2-PK2	DPnB-Peak2
299-84-3	Ronnel
300-76-5	Naled
30498-63-6	Trimethylcyclohexane (TIC)
30498-66-9	Dimethylheptane
3073-66-3	Cyclohexane, 1,1,3-trimethyl-
3074-71-3	HEPTANE, 2,3-DIMETHYL-
308067-72-3	Methylbutadiene
308075-07-2	Sand

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
309-00-2	Aldrin
30995-64-3	C1-DIBENZOTHIOPHENES
31081-18-2	Nonane, 3-methyl-5-propyl-
31295-56-4	Dodecane, 2,6,11-trimet
31502-14-4	2-NONEN-1-OL, (E)-
31711-53-2	C1-PHENANTHRENES
3178-24-3	Cyclohexane, 1,1'-(1,3-propanediyl)bis-
3178-29-8	Heptane, 4-propyl-
319-84-6	alpha-BHC
319-85-7	beta-BHC
319-86-8	.delta.-Hexachlorocyclohexane
321-60-8	2-Fluorophenol
3221-61-2	Octane, 2-methyl-
327-98-0	Trichloronate
33213-65-9	.beta.-Endosulfan
3333-13-9	BENZENE, 1-METHYL-4-(2-PROPENYL)-
333-41-5	Diazinon
33467-76-4	2-HEPTEN-1-OL, (E)-
334-68-9	Dodecane, 1-fluoro-
335-57-9	HEPTANE, HEXADECAFLUORO-
33617-38-8	Benzaldehyde, 2,4-bis(t
34064-86-3	1-PIPERAZINEPROPANENITRILE
34643-46-4	Prothiofos
350-50-5	BENZENE, (FLUOROMETHYL)-
35166-82-6	Methyl tert-butyl disulfide
3522-94-9	Hexane, 2,2,5-trimethyl-
35400-43-2	Sulprofos
3558-24-5	1H-Indole, 1-methyl-2-p
3622-84-2	Butylbenzenesulfonamide
3642-18-0	1,2,5-HEXATRIENE
3658-80-8	Trisulfide, dimethyl
36653-82-4	1-Hexadecanol
367-12-4	o-Fluorophenol
3689-24-5	Sulfotep
3728-54-9	Cyclohexane, 1-ethyl-2-methyl-
3728-55-0	1-ETHYL-3-METHYLCYCLOHEXANE (C,T)
37324-23-5	PCB-1262
3741-00-2	Cyclopentane, pentyl-
3760-14-3	1,5-Cyclooctadiene, 1,5-dimethyl-
3777-69-3	Furan, 2-pentyl-
3789-85-3	Benzoic acid, 2-((trimethylsilyl)oxy)-,
381-88-4	2-Butanone, 1,1,1-trifluoro-
3848-36-0	BENZALDEHYDE, 4-CHLORO-, OXIME
3855-82-1	1,4-Dichlorobenzene-d4
38667-10-6	3,3,5,5-TETRAMETHYLCYCLOPENTENE
3875-51-2	Isopropylcyclopentane

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
38851-70-6	trans-1-Butyl-2-methylc
3891-98-3	Dodecane, 2,6,10-trimethyl-
3892-00-0	NORPRISTANE (1650)
39638-32-9	Bis(2-Chloroisopropyl)ether
4032-86-4	HEPTANE, 3,3-DIMETHYL-
4050-45-7	trans-2-Hexene
4076-36-2	1H-Tetrazole, 5-methyl-
4110-44-5	3,3-dimethyloctane
4127-45-1	Cyclopropane, 1,1,2-trimethyl-
41446-66-6	5-Tetradecene, (E)-
41637-90-5	Methylchrysene
4165-60-0	Nitrobenzene-d5
4165-62-2	Phenol-d5
4170-30-3	2-Butenal
4181-95-7	n-Tetracontane
4182-41-6	2,4,4-Trimethylbut-2-enolide
4291-79-6	Cyclohexane, 1-methyl-2-propyl-
4292-92-6	Cyclohexane, pentyl-
43133-95-5	Methylpentane
4544-26-7	Bicyclo(4.1.0)heptane, 7-methylene-
460-00-4	p-Bromofluorobenzene
463-58-1	CARBONYL SULFIDE
464-17-5	Bicyclo(2.2.1)hept-2-en
464-48-2	Bicyclo(2.2.1)heptan-2-one, 1,7,7-trimet
470-82-6	Eucalyptol
471-62-5	T23-Homohopane
4806-61-5	Cyclobutane, ethyl-
481-21-0	Cholestane
483-65-8	Retene
4850-28-6	Cyclopentane, 1,2,4-trimethyl-, (1.alpha
486-25-9	9-Fluorenone
488-23-3	1,2,3,4-Tetramethylbenzene
4889-83-2	Bicyclo(3.1.1)hept-2-ene, 3,6,6-trimethyl
4901-51-3	2,3,4,5-Tetrachlorophenol
4920-99-4	Benzene, 1-ethyl-3-(1-methylethyl)-
4923-78-8	Cyclohexane, 1-ethyl-2-methyl-, trans-
4926-78-7	CYCLOHEXANE, 1-ETHYL-4-METHYL-, CIS
493-02-7	trans-Decahydronaphthalene
496-11-7	INDANE
49622-18-6	Decane, 3,3,4-trimethyl-
4971-18-0	Cyclopentanone, 2-ethyl-
502-41-0	Cycloheptanol
50-29-3	p,p'-DDT
50-32-8	Benzo(a)pyrene
504-44-9	Hexadecane, 2,6,11,15-t
504-60-9	1,3-Pentadiene

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
5103-71-9	cis-Chlordane
5103-74-2	trans-Chlordane
51-28-5	2,4-Dinitrophenol
513-35-9	2-Methyl-2-butene
513-42-8	2-PROPEN-1-OL, 2-METHYL-
513-88-2	1,1-DICHLOROPROPANONE
515-84-4	Acetic acid, trichloro-, ethyl ester
526-73-8	1,2,3-Trimethylbenzene
527-53-7	Benzene, 1,2,3,5-tetramethyl-
527-84-4	o-Cymene
529-20-4	o-Tolualdehyde
53252-21-4	4-Hexen-2-one, 3,4-dime
534-52-1	4,6-Dinitro-o-cresol
53469-21-9	PCB-1242
53494-70-5	Endrin ketone
535-15-9	Acetic acid, dichloro-, ethyl ester
535-77-3	m-cymene
53-70-3	Dibenz(a,h)anthracene
538-68-1	n-Pentylbenzene
53907-80-5	1H-Cyclopenta(c)thiophene, hexahydro-, c
53966-36-2	Disulfide, ethyl 1-methylethyl
540-36-3	1,4-Difluorobenzene
540-59-0	1,2-DICHLOROETHENE
540-84-1	2,2,4-Trimethylpentane
541-02-6	Decamethylcyclopentasiloxane
541-05-9	Hexamethylcyclotrisiloxane
541-73-1	m-Dichlorobenzene
54308-64-4	4-PYRIMIDINAMINE, 5-METHYL-2-(METHYL)-
543-75-9	1,4-DIOXIN, 2,3-DIHYDRO-
544-63-8	Tetradecanoic Acid
544-76-3	Hexadecane
544-85-4	Dotriacontane
5461-49-4	FORMAMIDE, N-ETHYL-N-PHENYL-
54676-39-0	CYCLOHEXANE, 2-BUTYL-1,1,3-TRIMETHYL-
54774-91-3	2-PROPENOIC ACID, 6-METHYLHEPTYL ESTER
5522-43-0	1-NITROPYRENE
55-38-9	Fenthion
554-14-3	2-Methylthiophene
55429-29-3	Arsenous acid, tris(trimethylsilyl) este
55429-85-1	Benzeneethanamine, N-((pentafluorophenyl
55471-01-7	Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-
556-52-5	Glycidol
5566-34-7	2,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-metha
556-67-2	Octamethylcyclotetrasiloxane
559-65-9	T22A-GAMMACERANE
560-21-4	Pentane, 2,3,3-trimethyl-

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
56114-69-3	Benzaldehyde, 2,5-bis((trimethylsilyl)ox
56-23-5	Carbon Tetrachloride
56292-64-9	Naphthalene, 1-(1,1-dim
56292-65-0	Dodecane, 2,5-dimethyl-
563-45-1	3-Methyl-1-butene
563-46-2	2-Methyl-1-butene
563-58-6	1,1-Dichloropropene
56-38-2	Ethyl Parathion
564-02-3	2,2,3-Trimethylpentane
56-55-3	Benz(a)anthracene
565-59-3	2,3-Dimethylpentane
565-75-3	2,3,4-Trimethylpentane
56-72-4	Coumaphos
57-10-3	Palmitic acid
57-11-4	Stearic acid
57-12-5	Reactivity Cyanide
573-98-8	1,2-Dimethylnaphthalene
575-37-1	Naphthalene, 1,7-dimeth
575-43-9	1,6-Dimethylnaphthalene
57-55-6	Propylene Glycol
577-11-7	Di(2-ethylhexyl) sodium sulfosuccinate
57-74-9	Chlordane
581-40-8	Naphthalene, 2,3-dimeth
581-42-0	2,6-Dimethylnaphthalene
58175-57-8	2-Propyl-1-pentanol
582-16-1	Naphthalene, 2,7-dimeth
583-57-3	Cyclohexane, 1,2-dimethyl- (cis/trans)
58372-16-0	3,4-Dimethylcyclopentan
583-78-8	2,4 and 2,5-Dichlorophenol
584-94-1	2,3-dimethylhexane
585-74-0	Ethanone, 1-(3-methylphenyl)-
586-62-9	Cyclohexene, 1-methyl-4-(1-methylethylidene)-
5877-42-9	1-Octyn-3-ol, 4-ethyl-
58-89-9	gamma-BHC (Lindane)
58-90-2	2,3,4,6-Tetrachlorophenol
589-34-4	3-Methylhexane
589-43-5	HEXANE, 2,4-DIMETHYL-
589-53-7	4-methylheptane
589-81-1	3-Methylheptane
589-90-2	Cyclohexane, 1,4-dimethyl-
590-18-1	cis-2-Butene
590-35-2	2,2-dimethylpentane
590-66-9	Dimethylcyclohexane
590-73-8	HEXANE, 2,2-DIMETHYL-
591-21-9	CYCLOHEXANE, 1,3-DIMETHYL-
591-76-4	2-Methylhexane

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
591-78-6	2-HEXANONE
591-95-7	1,2-Pentadiene
592-13-2	2,5-Dimethylhexane
592-27-8	2-Methylheptane
592-41-6	1-Hexene
592-76-7	1-Heptene
592-77-8	2-HEPTENE
593-45-3	Octadecane
593-49-7	Heptacosane
593-60-2	Vinyl Bromide
593-63-5	ETHYNE, CHLORO-
593-75-9	METHANE, ISOCYANO-
594-20-7	2,2-Dichloropropane
594-38-7	Butane, 2-iodo-2-methyl-
594-82-1	BUTANE, 2,2,3,3-TETRAMETHYL-
594-91-2	BUTANE, 1,1,1,2,3,3,4,4,4-NONAFLUOR
59-50-7	p-Chloro-m-cresol
5989-27-5	D-Limonene
5989-54-8	Cyclohexene, 1-methyl-4
6004-38-2	4,7-METHANO-1H-INDENE, OCTAHYDRO-
60-29-7	DIETHYL ETHER
6044-71-9	DODECANE, 6-METHYL-
60-51-5	Dimethoate
60-57-1	Dieldrin
606-20-2	2,6-Dinitrotoluene
6069-98-3	Cyclohexane, 1-methyl-4
611-14-3	o-Ethyltoluene
6117-91-5	2-Buten-1-ol
61193-19-9	Methyloctane
6124-90-9	Oxirane, 2-methyl-3-propyl-, cis-
613-12-7	2-Methylanthracene
615-59-8	2,5-Dibromotoluene
616-38-6	Carbonic acid, dimethyl ester
616-44-4	3-Methylthiophene
6165-44-2	Cyclohexane, 1,1'-(1,4-butanediyl)bis-
617-78-7	Pentane, 3-ethyl-
617-92-5	1H-PYRROLE, 1-ETHYL-
619-99-8	3-Ethylhexane
620-14-4	m-Ethyltoluene
62016-14-2	OCTANE, 2,5,6-TRIMETHYL-
62016-28-8	OCTANE, 2,2,6-TRIMETHYL-
62016-37-9	OCTANE, 2,4,6-TRIMETHYL-
62108-23-0	DECANE, 2,5,6-TRIMETHYL-
62108-25-2	DECANE, 2,6,7-TRIMETHYL-
62108-32-1	HEPTANE, 2,2,3,4,6,6-HEXAMETHYL-
621-64-7	n-Nitrosodi-n-propylamine

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
62237-96-1	DECANE, 2,2,5-TRIMETHYL-
62237-97-2	Decane, 2,2,6-trimethyl-
62237-98-3	DECANE, 2,2,4-TRIMETHYL-
62238-00-0	DECANE, 2,2,9-TRIMETHYL-
62238-01-1	DECANE, 2,2,8-TRIMETHYL-
622-96-8	p-Ethyltoluene
62338-09-4	DECANE, 2,2,3-TRIMETHYL-
62338-47-0	4-DECENE, 3-METHYL-, (E)-
62338-57-2	1,4-Cyclohexadiene, 3-e
6236-88-0	Cyclohexane, 1-ethyl-4-methyl-, trans-
623-96-1	Carbonic acid, dipropyl
624-29-3	Cyclohexane, 1,4-dimethyl-, cis-
624-41-9	1-Butanol, 2-methyl-, a
624-64-6	trans-2-Butene
624-79-3	Ethane, isocyano-
624-92-0	Methyl disulfide
625-27-4	2-Methylpentene-2
62-53-3	Aniline
626-38-0	2-Pentanol, acetate
626-77-7	Hexanoic acid, propyl e
627-20-3	cis-2-Pentene
62-73-7	Dichlorvos
62-75-9	N-Nitrosodimethylamine
628-63-7	n-Amyl acetate
629-04-9	HEPTANE, 1-BROMO-
629-50-5	tridecane
629-59-4	Tetradecane
629-62-9	nC-15 Pentadecane
629-64-1	HEPTANE, 1,1'-OXYBIS-
629-76-5	1-Pentadecanol
629-78-7	Heptadecane
629-92-5	Nonadecane
629-94-7	Heneicosane
629-97-0	Docosane
629-99-2	Pentacosane
630-01-3	Hexacosane
630-02-4	Octacosane
630-03-5	Nonacosane
630-04-6	Hentriacontane
630-05-7	Tritriacontane
630-06-8	HEXATRIACONTANE
630-07-9	n-Pentatriacontane
630-19-3	PROPANAL, 2,2-DIMETHYL-
630-20-6	1,1,1,2-Tetrachloroethane
63335-87-5	Methylnonane
63466-71-7	Benzo(a)pyrene-d12

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
637-92-3	Ethyl tert-butyl Ether
638-04-0	1,CIS-3-DIMETHYLCYCLOHEXANE
638-36-8	Phytane
638-67-5	Tricosane
638-68-6	Triacontane
64-17-5	Ethanol
6434-77-1	cis-2-Nonene
6434-78-2	trans-2-Nonene
6443-92-1	cis-2-Heptene
646-04-8	trans-2-Pentene
646-31-1	Tetracosane
64743-03-9	Total Phenolics
65051-83-4	Benzene, (1-methyl-2-cyclopropen-1-yl)-
6515-38-4	2-Hydroxy-3,5,6-trichloropyridine
65-85-0	Benzoic Acid
66-25-1	Hexaldehyde
67078-75-5	2,2-Dimethyl-1-oxa-2-silacyclohexa-3,5-diene
67-56-1	Methanol
67-63-0	Isopropanol
67-64-1	Acetone
67-66-3	Chloroform
67-71-0	DIMETHYL SULFONE
67-72-1	Hexachloroethane
678-26-2	PENTANE, DODECAFLUORO-
68-12-2	FORMAMIDE, N,N-DIMETHYL-
68334-30-5	DIESEL RANGE ORGANICS
68595-79-9	3,4-Dihydroxybenzyl alcohol,tris(trimeth
6876-23-9	Cyclohexane, 1,2-dimethyl-, trans-
691-37-2	4-Methyl-1-pentene
6923-22-4	Monocrotophos
693-58-3	NONANE, 1-BROMO-
693-62-9	4-UNDECENE, 6-METHYL-
696-29-7	Cyclohexane, (1-methylethyl)-
6975-98-0	DECANE, 2-METHYL-
700-12-9	Benzene, pentamethyl-
7005-72-3	p-Chlorophenyl phenyl ether
700-73-2	3-PYRIDINEMETHANOL, 4,5-DIHYDROXY-
70551-84-7	Trifluoroacetyl-isoborneol
7094-26-0	1,1,2-trimethylcyclohexane
7094-27-1	1,1,4-trimethylcyclohexane
71-23-8	1-Propanol
7132-64-1	Pentadecanoic acid, methyl ester (TIC)
71-36-3	1-Butanol
71-43-2	Benzene
7146-60-3	2,3-dimethyloctane
7154-80-5	HEPTANE, 3,3,5-TRIMETHYL-

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
71-55-6	1,1,1-Trichloroethane
7194-84-5	n-Heptatriacontane
7194-85-6	n-Octatriacontane
7194-86-7	n-Nonatriacontane
7206-13-5	2-DODECENE, (E)-
72-20-8	Endrin
72218-58-7	3-Methylheptyl acetate
7239-23-8	3-Dodecene, (Z)-
72-43-5	Methoxychlor
72-54-8	p,p'-DDD
72-55-9	p,p'-DDE
7297-45-2	2-Methylnaphthalene-d10
7320-37-8	OXIRANE, TETRADECYL-
7357-93-9	1-Butene, 2-ethyl-3-methyl-
7421-93-4	Endrin aldehyde
7423-69-0	3,5-Dimethyl-1-hexene
7429-90-5	Aluminum
7439-89-6	Iron
7439-92-1	Lead
7439-93-2	Lithium
7439-95-4	Magnesium
7439-96-5	Manganese
7439-97-6	Mercury
7439-98-7	Molybdenum
7440-02-0	Nickel
7440-22-4	Silver
7440-23-5	Sodium
7440-24-6	Strontium
7440-28-0	Thallium
7440-31-5	Tin
7440-32-6	Titanium
7440-36-0	Antimony
7440-38-2	Arsenic
7440-39-3	Barium
7440-41-7	Beryllium
7440-42-8	Boron
7440-43-9	Cadmium
7440-44-0	Total Carbon
7440-47-3	Chromium
7440-48-4	Cobalt
7440-50-8	Copper
7440-62-2	Vanadium
7440-65-5	Yttrium
7440-66-6	Zinc
7440-70-2	Calcium
7459-71-4	3,5-DIMETHYLCYCLOPENTENE

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
74630-47-0	2-Undecene, 3-methyl-, (E)-
74630-52-7	3-Undecene, 6-methyl-,
74630-65-2	5-Undecene, 9-methyl-, (Z)-
74645-98-0	Dodecane, 2,7,10-trimethyl-
74-83-9	Methyl bromide
74-84-0	Ethane
74-85-1	Ethylene
74-86-2	Acetylene
74-87-3	Chloromethane
74-88-4	IODOMETHANE
74-95-3	Dibromomethane
74-96-4	Bromoethane
74-97-5	Halon 1011
74-98-6	Propane
74-99-7	Propyne
75-00-3	Chloroethane
75-01-4	Vinyl chloride
75-04-7	Ethylamine
75-05-8	Acetonitrile
75-07-0	ACETALDEHYDE
75-09-2	Methylene Chloride
75-15-0	Carbon Disulfide
75-18-3	Dimethyl sulfide
75-21-8	Ethylene oxide
75-25-2	Tribromomethane
75-26-3	PROPANE, 2-BROMO-
75-27-4	Dichlorobromomethane
75-28-5	Isobutane
75-34-3	1,1-Dichloroethane
75-35-4	1,1-Dichloroethylene
75-37-6	ETHANE, 1,1-DIFLUORO-
75-38-7	Vinylidene fluoride
754-03-0	Ethanesulfonyl fluoride
7541-49-3	Phytol
75-43-4	HCFC-21
75-45-6	HCFC-22
75-50-3	Trimethylamine
75-65-0	t-Butyl Alcohol
75-69-4	CFC-11
75-71-8	CFC-12
75-83-2	2,2-Dimethylbutane
75-99-0	Dalapon
76-01-7	PENTACHLOROETHANE
760-21-4	3-Methylenepentane
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane
76-14-2	CFC-114

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
763-29-1	2-Methyl-1-pentene
764-35-2	2-Hexyne
76-44-8	Heptachlor
764-97-6	5-UNDECENE, (E)-
765-87-7	1,2-Cyclohexanedione
7664-41-7	Ammonia as N
7667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.
767-58-8	Indan, 1-methyl-
767-59-9	1-Methylindene
767-99-7	Benzene, (1-methyl-1-pr
768-49-0	Benzene, (2-methyl-1-propenyl
7688-21-3	cis-2-Hexene
7704-34-9	Sulfur
7705-14-8	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (.+/-.)-
7723-14-0	Phosphorus
7727-37-9	Nitrogen
7732-18-5	H2O
77-47-4	Hexachlorocyclopentadiene
77764-90-0	4'-Chloro-6-methoxyaurone
7782-44-7	Oxygen
7782-49-2	Selenium
7782-50-5	Total Residual Chlorine
7782-50-5 (TOTAL)	Total Chlorine
7785-26-4	Pinene (TIC)
7786-34-7	Mevinphos
78-27-3	Cyclohexanol, 1-ethynyl-
78-59-1	Isophorone
78-78-4	2-Methylbutane
78-79-5	Isoprene
78-83-1	Isobutanol
78-85-3	2-PROPENAL, 2-METHYL-
78-87-5	1,2-Dichloropropane
78-93-3	Methyl ethyl ketone
78-94-4	3-BUTEN-2-ONE
79004-83-4	Dimethylundecane (TIC)
79-00-5	1,1,2-Trichloroethane
79-01-6	Trichloroethylene
791-28-6	Triphenylphosphine oxide (TIC)
79-14-1	Glycolic acid
79-20-9	Methyl Acetate
79-24-3	Nitroethane
79-29-8	2,3-Dimethylbutane
79-34-5	1,1,2,2-Tetrachloroethane
79-46-9	2-NITROPROPANE
79-92-5	Camphene
8001-35-2	Toxaphene

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
8006-61-9	Gasoline Range Organics
80-56-8	a-Pinene
80-62-6	Methyl Methacrylate
8065-48-3	Demeton
81103-79-9	Fluorene-d10
821-95-4	1-Undecene
822-50-4	1,TRANS-2-DIMETHYLCYCLOPENTANE
822-66-2	3-Cyclohexen-1-ol
82-68-8	Pentachloronitrobenzene
829-26-5	2,3,6-Trimethylnaphthalene
83-08-9	1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl
832-69-9	1-Methylphenanthrene
83-32-9	Acenaphthene
84-15-1	o-Terphenyl
84-65-1	Anthraquinone
84-66-2	Diethyl phthalate
84-74-2	Di-n-butylphthalate
84-75-3	Benzenedicarboxylic acid, dihexyl ester (TIC)
85-01-8	Phenanthrene
85-68-7	Butyl benzyl phthalate
86290-81-5	TOTAL VOCS AS GASOLINE
86-30-6	N-Nitrosodiphenylamine
86-50-0	Methyl Azinphos (Guthion)
86-73-7	Fluorene
86-74-8	Carbazole
871-83-0	Nonane, 2-methyl-
872-05-9	1-Decene
872-55-9	2-Ethylthiophene
874-41-9	1,3-Dimethyl-4-ethylbenzene
874-90-8	BENZONITRILE, 4-METHOXY-
87-61-6	1,2,3-Trichlorobenzene
87-68-3	Hexachlorobutadiene
877-09-8	Tetrachloro-m-xylene
87-86-5	Pentachlorophenol
87-91-2	Tartaric acid, diethyl ester
88-06-2	2,4,6-Trichlorophenol
88-74-4	o-Nitroaniline
88-75-5	o-Nitrophenol
88-85-7	Dinoseb
90-12-0	1-Methylnaphthalene
91-17-8	Decahydronaphthalene
91-20-3	Naphthalene
91-57-6	2-Methylnaphthalene
91-58-7	2-Chloronaphthalene
91-59-8	2-Naphthalenamine
91-94-1	3,3'-Dichlorobenzidine

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
923-26-2	2-Propenoic acid, 2-methyl-, 2-hydroxypr
92-52-4	Biphenyl
928-68-7	2-Heptanone, 6-methyl-
92-87-5	Benzidine
930-18-7	Cyclopropane, 1,2-dimethyl-, cis-
930-51-8	CYCLOPENTYLETHYNE
933-98-2	Benzene, 1-ethyl-2,3-di
934-74-7	1,3-Dimethyl-5-Ethylbenzene
934-80-5	1,2-Dimethyl-4-ethylbenzene
93-53-8	Benzeneacetaldehyde, .a
93-55-0	Propiophenone
935-95-5	2,3,5,6-Tetrachlorophenol
93-65-2	Mecoprop
93-72-1	2,4,5-TP (Silvex)
93-76-5	2,4,5-T
939-27-5	2-Ethylnaphthalene
93951-69-0	Fluoranthene-d10
93951-97-4	Acenaphthylene-d8
94-74-6	MCPA
94-75-7	2,4-D
94-82-6	2,4-DB
95-13-6	Indene
95-15-8	Benzo(b)thiophene
95-47-6	o-Xylene
95-48-7	2-METHYLPHENOL
95-49-8	o-Chlorotoluene
95-50-1	o-Dichlorobenzene
95-57-8	o-Chlorophenol
95-63-6	1,2,4-Trimethylbenzene
95-68-1	BENZENAMINE, 2,4-DIMETHYL-
95-93-2	1,2,4,5-Tetramethylbenzene
95-94-3	1,2,4,5-Tetrachlorobenzene
95-95-4	2,4,5-Trichlorophenol
959-98-8	.alpha.-Endosulfan
96-12-8	1,2-Dibromo-3-Chloropropane
96-14-0	3-Methylpentane
96-18-4	1,2,3-Trichloropropane
96-33-3	METHYLACRYLATE
96-37-7	METHYLCYCLOPENTANE
97-63-2	ETHYL METHACRYLATE
97-85-8	Propanoic acid, 2-methyl-, 2-methylpropyl-
97-87-0	Propanoic acid, 2-methy
98-06-6	tert-Butylbenzene
98-08-8	a,a,a-Trifluorotoluene
98-15-7	BENZENE, 1-CHLORO-3-(TRIFLUOROMETHYL)-
98-56-6	BENZENE, 1-CHLORO-4-(TRIFLUOROMETHYL)-

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
98-82-8	Cumene
98-83-9	alpha-Methylstyrene
98-86-2	Acetophenone
98-95-3	Nitrobenzene
99-09-2	m-Nitroaniline
994-05-8	tert-Amyl Methyl Ether
99-87-6	p-Cymene
ALK	Alkalinity
ALKANETOT	ALKANES, TOTAL
APIGRAV	API GRAVITY @ 60 F
AROMATICTOT	AROMATICS, TOTAL
BAROP	Barometric pressure
BDO-1474	SB-C21STERANE
BDO-1475	SD-C22STERANE
BDO-1555	ctt-1,2,4-Trimethylcyclopentane
BDO-389	ctt-1,2,4-Trimethylcyclohexane
BDO-395	ctc-1,2,4-Trimethylcyclohexane
BDO-420	ctc-1,2,3-Trimethylcyclopentane
BDO-476	T4-C23Diterpane
BDO-477	T5-C24DITERPANE
BDO-478	T6-C25DITERPANE
BDO-479	T6A-C24TETRACYCLIC TERPANE
BDO-480	T6B-C26TRICYCLIC(S)
BDO-481	T6C-C26TRICYCLIC(R)
BDO-482	T7-C28Tricyclictriterpane(S)
BDO-483	T8-C28Tricyclictriterpane(R)
BDO-484	T9-C29Tricyclictriterpane(S)
BDO-485	T10-C29TRICYCLICTRITERPANE(R)
BDO-486	T11-Trisnorhopane(TS)
BDO-487	T12-TRISNORHOPANE(TM)
BDO-488	T14A-C28,C30BISNORHOPANE
BDO-489	T14B-C29,C25NORHOPANE
BDO-490	T15-C29-Norhopane
BDO-491	T16-Norneohopane
BDO-492	15a-methyl-17a(H)-27-Norhopane
BDO-493	T17-C30-NORMORETANE
BDO-494	T18-C30-OLEANANE
BDO-495	T19-C30 Hopane
BDO-496	T20-MORETANE
BDO-497	T21-C31-HOMOHOPANE(S)
BDO-498	T22-C31-HOMOHOPANE(R)
BDO-499	T26-C32-Bishomohopane(S)
BDO-500	T27-C32-Bishomohopane(R)
BDO-501	T30-C33-TRISHOMOHOPANE(S)
BDO-502	T31-C33-TRISHOMOHOPANE(R)
BDO-503	T32-Tetrakishomohopane(S)

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
BDO-504	T33-TETRAKISHOMOHOPANE(R)
BDO-505	T34-PENTAKISHOMOHOPANE(S)
BDO-506	T35-PENTAKISHOMOHOPANE(R)
BDO-507	S4-DIACHOLESTANE
BDO-508	S5-DIACHOLESTANE
BDO-509	S8-METHYLDIACHOLESTANE
BDO-510	S12-CHOLESTANE
BDO-512	S18-ETHYLDIACHOLESTANE
BDO-513	S19-ETHYLDIACHOLESTANE
BDO-514	S20-METHYLCHOLESTANE
BDO-515	S24-METHYLCHOLESTANE
BDO-516	S25-ETHYLCHOLESTANE
BDO-517	S28-ETHYLCHOLESTANE
BDO-518	S14-CHOLESTANE (20R)
BDO-519	S15-CHOLESTANE (20S)
BDO-520	S22-METHYLCHOLESTANE(20R)
BDO-521	S23-METHYLCHOLESTANE(20S)
BDO-522	S26-ETHYLCHOLESTANE(20R)
BDO-523	S27-ETHYLCHOLESTANE(20S)
BDO-524	T0-C19DITERPANE
BDO-525	T1-C20DITERPANE
BDO-526	T2-C21DITERPANE
BDO-527	T3-C22DITERPANE
BDO-528	T13-TRISNORHOPANE
BDO-529	T13A-29,30-BISNORHOPANE
BDO-530	T14-BISNORHOPANE
BDO-533	T24-HOMOMORETANE
BDO-534	T25-DIPLOPTENE
BDO-535	T28-BISHOMOMORETANE
BDO-536	T29-HOMOHOPANE
BDO-537	SA-C21DIASTERANE
BDO-539	SC-C22DIASTERANE
BDO-540	S2-PREGNANE
BDO-541	S6-DIACHOLESTANE
BDO-542	S7-DIACHOLESTANE
BDO-543	S10-METHYLDIACHOLESTANE
BDO-544	S11-METHYLDIACHOLESTANE
BDO-545	S29-C30CHOLESTANE(R)
BDO-546	S30-C30CHOLESTANE(S)
BDO-547	D1-Diasterane-27(S)
BDO-548	D2-DIASTERANE-27(R)
BDO-549	D3a-Diasterane-28(S)
BDO-550	D3-Diasterane-28(S)
BDO-551	D4a-Diasterane-28(R)
BDO-552	D4-Diasterane-28(R)
BDO-553	D5-Diasterane-29(S)

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
BDO-554	D6-Diasterane-29(R)
BDO-565	A1-C20-TAS
BDO-566	A2-C21-TAS
BDO-567	A3-C26 TAS(20S)
BDO-568	A4-C26/C27-TAS
BDO-569	A5-C27-TAS(20R)
BDO-570	A6-TAS(20S)
BDO-571	A7-TAS(20R)
BENZ/CRYSC1	C1-BENZANTHRENE/CHRYSENES
BENZ/CRYSC2	C2-BENZANTHRENE/CHRYSENES
BENZ/CRYSC3	C3-BENZANTHRENE/CHRYSENES
BENZ/CRYSC4	C4-BENZANTHRENE/CHRYSENES
BOD	Biochemical Oxygen Demand
BOD5	BOD, 5 DAY
C10H22	C10H22 isomer
C11H24	C11H24 isomer
Clay	Clay
Clay_Control	Clay_Control
COLOR	Color (True)
CRYSC2	C2-Chrysenes
CRYSC3	C3-Chrysenes
CRYSC4	C4-Chrysenes
DBTC2	C2-DIBENZOTHIOPHENES
DBTC3	C3-DIBENZOTHIOPHENES
DBTC4	C4-Dibenzothiophenes
DENSITY	Density
DH30	17A(H)-DIAHOPANE
Di74-83-9	Dimethyl bromide
DISMRK1	Dispersant Marker 1
DISMRK2	Dispersant Marker 2
DISMRKTOT	Disperant Marker Total
DISP	Dispersibility
DISS_OXYGEN	Dissolved Oxygen
DMC10N	Dimethyldecane (TIC)
DMC8N	Dimethyloctane (TIC)
DROC10C28	DIESEL RANGE ORGANICS (C10-C28)
DROC28C40	C28-C40
DROC6C10	C6-C10
E1640549	UV 254 -- SDWA NPDWR
E1641638	Chemical Oxygen Demand
E17075045-1380	Isoprenoid RRT 1380
E17075045-1470	Isoprenoid RRT 1470
E17075466	Americamysis bahia
E17148362	C1-FLUORANTHENES/PYRENES
E1852623	Leptocheirus plumulosus
E1852623 (Control)	LP-SED Tox-Control (Leptocheirus plumulosus)

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
E1852623 (Sample)	LP-SED Tox-Sample (Leptocheirus plumulosus)
E1853597	SC-Chronic Tox-Sample (Skeletonema costatum)
E1853597-HIGH	SC-Chronic Tox-Sample (Skeletonema costatum)HIGH
E1853597-LOW	SC-Chronic Tox-Sample (Skeletonema costatum)LOW
E1892462	Leptocheirus
E1896406	Mysidopsis
E1896422 (Control)	MB-SED Tox-Control (Mysidopsis bahia)
E1896422 (Sample)	MB-SED Tox-Sample (Mysidopsis bahia)
E1903954	Crassostrea gigas
E1928233	Neanthes arenaceodentata
E1944156	Mytilus galloprovincialis
E1972785	Menidia beryllina
E1972785 (Control)	ME-Acute Tox-Control (Menidia beryllina)
E1972785 (Sample)	ME-Acute Tox-Sample (Menidia beryllina)
E52450939	Surfactants
E701045	Trihalomethanes (four), total
E701268	Total Organic Halides
ECOLIFORM	ESCHERICHIA COLI
EDF-213	PM2.5
FECCOLIFORM	COLIFORM, FECAL
FLASHPT	FLASHPOINT
FLC2	C2-Fluorenes
FLC3	C3-Fluorenes
FLIQUIDS	Free Liquids
FLUOR/PYRC2	C2-Fluoranthenes/Pyrenes
FLUOR/PYRC3	C3-Fluoranthenes/Pyrenes
FLUOR/PYRC4	C4-Fluoranthenes/pyrenes
GIS-210-011	Conductivity (umhos/cm)
GS.0015mm	0.0015 mm
GS.001mm	0.001 mm
GS.002mm	0.002 mm
GS.005mm	0.005 mm
GS.015mm	0.15 mm
GS.02mm	0.02 mm
GS.03mm	0.030 mm
GS.05mm	0.05 mm
GS.064mm	0.064 mm
GS.075mm	0.075 mm
GS.375in	0.375 Inch Sieve
GS.3mm	0.3 mm
GS.6mm	0.6 mm
GS.75in	0.75 Inch Sieve
GS1.18mm	1.18 mm
GS1.5in	1.5 Inch Sieve
GS19mm	19 mm
GS2.36mm	2.36 mm

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
GS2mm	2.00 mm
GS3.35mm	3.35 mm
GS37.5mm	37.5 mm
GS3in	3 Inch Sieve
GS4.75mm	4.75 mm
GS75mm	75 mm
H2O_Control	H2O_Control
HARD	Hardness
KN	NITROGEN, KJELDAHL, TOTAL
MC10N	Methyldecane
MC7N	Methylheptane
MEC11N	Methylundecane
MOILC20C34	C20-C34 Motor Oil (MRO)
MORT	Mortality (%)
NAPHC1	C1-NAPHTHOBENZOTHIOPHENE
NAPHC2	C2-NAPHTHOBENZOTHIOPHENE
NAPHC3	C3-NAPHTHOBENZOTHIOPHENES
NIST-48105	3-Hydroxymandelic acid, ethyl ester, di-TM
NIST-51305	p-Trimethylsilyloxyphenyl-bis(trimehylsilyloxy) ethane
NIST-53158	Hexanedioic acid, .alpha.-keto oxime, (trimethylsilyl)
NPHC2	C2-NAPHTHALENES
NPHC3	C3-Naphthalenes
NPHC4	C4-Naphthalenes
NVF	NO VOLATILES FOUND
OILGREASE	Oil and Grease
OILGREASEHEM	Oil and Grease, HEM
ORO	Oil Range Organics
OROC19C36	Oil Range Organics (C-19-C36)
OROC28C35	OIL RANGE ORGANICS (C28-C35)
OROC28C40	OIL RANGE ORGANICS (C28-C40)
PFT	Paint Filter Test
PH	pH
PHC2840	TPH ORO (>C28-C40)
PHC940	TPH, Total (C9-C40)
PHCC10C12AL	ALIPHATIC HYDROCARBONS (>C10-C12)
PHCC10C12AR	AROMATIC HYDROCARBONS (>C10-C12)
PHCC12C16AL	ALIPHATIC HYDROCARBONS (>C12-C16)
PHCC12C16AR	AROMATIC HYDROCARBONS (>C12-C16)
PHCC16C21AR	AROMATIC HYDROCARBONS (>C16-C21)
PHCC16C35AL	ALIPHATIC HYDROCARBONS (>C16-C35)
PHCC21C35AR	AROMATIC HYDROCARBONS (>C21-C35)
PHCC5C6AL	ALIPHATIC HYDROCARBONS (>C5-C6)
PHCC5C7AR	AROMATIC HYDROCARBONS (>C5-C7)
PHCC6C8AL	ALIPHATIC HYDROCARBONS (>C6-C8)
PHCC7C8AR	AROMATIC HYDROCARBONS (>C7-C8)
PHCC8C10AL	ALIPHATIC HYDROCARBONS (>C8-C10)

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
PHCC8C10AR	AROMATIC HYDROCARBONS (>C8-C10)
PHEN/ANTHC1	C1-Phenanthrenes/Anthracenes
PHEN/ANTHC2	C2-PHENANTHRENES/ANTHRACENES
PHEN/ANTHC3	C3-PHENANTHRENES/ANTHRACENES
PHEN/ANTHC4	C4-PHENANTHRENES/ANTHRACENES
PHENC2	C2-PHENANTHRENES
PHENC3	C3-PHENANTHRENES
PHENC4	C4-PHENANTHRENES
Pink Shrimp_C	PS-Chronic Tox-Control(Farfantepanaeus duorarum-pink shrimp)
Pink Shrimp_S	PS-Chronic Tox-Sample(Farfantepanaeus duorarum-pink shrimp)
POURPOINT	Pour Point
PYRC1	C1-PYRENES
PYRC2	C2-PYRENES
PYRC3	C3-PYRENES
PYRC4	C4-PYRENES
R4-6501	Unidentified Compound(s)
R4-8000781	Oxypentanoic acid
RFLUID	Riser Fluid
SAL	Salinity
Sand_Control	Sand_Control
SG	SPECIFIC GRAVITY
Silt_Control	Silt_Control
SNMOC	SNMOC (Sum of Knowns)
SREAC	Sulfide (Acid Soluble)
STORET 006	Nitrate/Nitrite as N
SUMUNK	Sum of Unknowns
TEMP	Temperature (±1°C)
THC	THC AS GAS
TIC	TENTATIVELY IDENTIFIED COMPOUNDS
TIC-1	Tentatively Identified Compounds(1)
TIC-10	Tentatively Identified Compounds(10)
TIC-11	Tentatively Identified Compounds(11)
TIC-12	Tentatively Identified Compounds(12)
TIC-13	Tentatively Identified Compounds(13)
TIC-14	Tentatively Identified Compounds(14)
TIC-15	Tentatively Identified Compounds(15)
TIC-16	Tentatively Identified Compounds(16)
TIC-17	Tentatively Identified Compounds(17)
TIC-18	Tentatively Identified Compounds(18)
TIC-19	Tentatively Identified Compounds(19)
TIC-2	Tentatively Identified Compounds(2)
TIC-20	Tentatively Identified Compounds(20)
TIC-21	Tentatively Identified Compounds(21)
TIC-22	Tentatively Identified Compounds(22)
TIC-23	Tentatively Identified Compounds(23)
TIC-24	Tentatively Identified Compounds(24)

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
TIC-25	Tentatively Identified Compounds(25)
TIC-26	Tentatively Identified Compounds(26)
TIC-27	Tentatively Identified Compounds(27)
TIC-3	Tentatively Identified Compounds(3)
TIC-4	Tentatively Identified Compounds(4)
TIC-5	Tentatively Identified Compounds(5)
TIC-6	Tentatively Identified Compounds(6)
TIC-7	Tentatively Identified Compounds(7)
TIC-8	Tentatively Identified Compounds(8)
TIC-9	Tentatively Identified Compounds(9)
TNMOC	Total Non-Methane Organic Carbon
TOC	TOC
TOC_Control	TOC_Control
TOTALSED	Total Sediment and Water
TOTBTEX	Total BTEX
TOTCOLIFORM	COLIFORM, TOTAL
TOTNH3	Total Ammonia
TOTRSHCC9C40	Total Resolved SHC (C9-C40)
TOTSHC	Total SHC
TOTVOCHEP	Total VOCS as Heptane
TPAH	Total PAH
TPH(Diesel)	Total Petroleum Hydrocarbons as Diesel
TPH(Oil)	Total Petroleum Hydrocarbons as Oil
TPHPRO	Petroleum Range Organics (PRO)-C8-C40
Tri74-83-9	Trimethyl bromide
TRPH	TRPH
TSS	Total Suspended Solids
TURB	Turbidity
UBH	Unknown Branched Hydrocarbon
UBH-2	Unknown Branched Hydrocarbon (2)
UBH-3	Unknown Branched Hydrocarbon (3)
UBH-4	Unknown Branched Hydrocarbon (4)
UNK	Unknown
UNK-1	Unknown (01)
UNK-2	Unknown (02)
UNKC7H10HYDROCARB	UNKNOWN C7H10 HYDROCARBON
UNKCYCHYDROCARB	UNKNOWN CYCLIC HYDROCARBON
UNKFLUOROCARB	UNKNOWN FLUOROCARBON
UNKHOPANE1	Unknown Hopane (01)
UNKHOPANE2	Unknown Hopane (02)
UNKHYDROCARB	UNKNOWN HYDROCARBON
UNKNHYDROCARB	UNKNOWN NITROGENOUS HYDROCARBON
UNKNSCOMP	Unknown Nitrogen-Sulfur Compound
VISC 122F	Viscosity @ 122 F
VISCKIN50C	VISCOSITY, KIN, @ 50 C
VS	VS

Appendix G. Cas_No to Analyte Cross References

Valid Value - Cas_No	Valid Value - Analyte
VS_Control	VS_Control

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
ALECIDW	EnviroChem, Inc.	B		
ALECIDW	EnviroChem, Inc.	J		
ALECIDW	EnviroChem, Inc.	U		
BPDW		B		
BPDW		J		
BPDW		JK		
BPDW		K		
BPDW		T		
BPDW		U		
BPDW		UL		
BPDW		URL		
CTEH_DW		" ":	Where no data have been entered	Inorganic
CTEH_DW	Gulf Coast Analytical	+		
CTEH_DW	Test America Mobile; Test America Pensacola	>		
CTEH_DW	Gulf Coast Analytical; Test America University Park	B	This flag is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag shall be used for a TIC as well as for a positively identified target compound.	Organic
CTEH_DW		B	This flag is used when the analyte is found in the associated blank, as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.	PCB Congeners, Dioxins and Furans
CTEH_DW	Test America University Park	D	This flag indicates all compounds identified in an analysis at a secondary dilution factor. If a smaller sample size is analyzed, as in the "E" flag above, the "DL" suffix is appended to the EPA Sample Number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample extract.	PCB Congeners, Dioxins and Furans
CTEH_DW		D	The reported value is from a dilution.	Inorganic
CTEH_DW		D	If a sample or extract is reanalyzed at a DF greater than 1 (e.g., when the response of an analyte exceeds the response of the highest standard in the initial calibration), the DL suffix is appended to the Sample Number on Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.	Organic

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
CTEH_DW	Galson Laboratories; Gulf Coast Analytical; Pace Minnesota; Test America Burlington; Test America University Park	J	This flag indicates an estimated value. This flag is used when: 1.) estimating a concentration for Tentatively Identified Compounds (TICs) where a 1:1 response is assumed; 2.) the mass spectral and Retention Time (RT) data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL, but greater than zero; 3.) the RT data indicate the presence of a compound that meets the pesticide and/or Aroclor identification criteria, and theresult is less than the adjusted CRQL but greater than zero. For example, if the sample's adjusted CRQL is 5.0 µg/L, but a concentration of 3.0 µg/L is calculated, report it as 3.0J.	Organic
CTEH_DW	Gulf Coast Analytical; Test America University Park	J	The reported value was obtained from a reading that was less than the CRQL but greater than or equal to the MDL (Method Detection Limit).	Inorganic
CTEH_DW	Test America University Park	J	Indicates an estimated value. This flag is used when the mass spectral data indicate the presence of an analyte meeting all the identification criteria in Exhibit D, but the result is less than the Contract Required Quantitation Limit (CRQL), as listed in Exhibit C, but greater than zero.	PCB Congeners, Dioxins and Furans
CTEH_DW	Test America Nashville	L		
CTEH_DW	Gulf Coast Analytical	R		
CTEH_DW	Galson Laboratories; Gulf Coast Analytical; Pace Minnesota; Test America Burlington; Test America Mobile; Test America University Park; Test America Pensacola	U	This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL) shall be adjusted according to the equation listed in Exhibit D. CRQLs are listed in Exhibit C.	Organic
CTEH_DW	Gulf Coast Analytical; Test America University Park	U	The reading was less than the MDL.	Inorganic
CTEH_DW	Gulf Coast Analytical; Test America University Park	U	Indicates compound was analyzed for, but not detected. The "CONCENTRATION" column is left blank in this instance, and an Estimated Detection Limit (EDL) must be calculated based on the signal-to-noise (S/N) ratio, as described in Exhibit D. This calculation takes into account the sample weight/volume extracted, the volume of the most concentrated extract, the injection volume, and dilution of the most concentrated extract prior to analysis.	PCB Congeners, Dioxins and Furans
CTEH_DW	Test America Mobile; Test America University Park	X	Other specific flags may be required to properly define the results. If used, they must be fully described, and such description must be attached to the Sample Data Package and the SDG Narrative. Begin using "X". If more than one flag is needed, use "Y" and "Z" as needed. The laboratory-defined flags are limited to the letters "X", "Y", and "Z".	PCB Congeners, Dioxins and Furans
EnvstdDW_2	Test America University Park	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.	
EnvstdDW_2	Lancaster Laboratories	*	Duplicate analysis not within control limits	
EnvstdDW_2	Test America Chicago	*	ICPMS Relative Intensity is outside the method limits.	
EnvstdDW_2	Test America Houma	*	LCS or LCSD exceeds the control limits	
EnvstdDW_2	Test America Mobile	*	ISTD response or retention time outside acceptable limits	
EnvstdDW_2	Test America Pensacola	*	ISTD response or retention time outside acceptable limits	
EnvstdDW_2	Test America Chicago	^	Instrument related QC exceeds the control limits.	
EnvstdDW_2	Test America Houma	^	QC Exceeds the control limits.	

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
EnvstdDW_2	Test America Mobile	^	Instrument related QC exceeds the control limits.	
EnvstdDW_2	Test America Mobile	<	Not detected at or above the reporting limit	
EnvstdDW_2	Test America Mobile	>	The analyte exceeded the indicated concentration	
EnvstdDW_2	Lancaster Labs	A	TIC is a possible aldol-condensation product	
EnvstdDW_2	Test America Mobile	A	The tentatively identified compound is a suspected aldol-condensation product.	
EnvstdDW_2	Pace New Orleans	A11	This analyte is a common chemical. Its presence in field samples may be an artifact of sample collection, transport, laboratory storage or analysis.	
EnvstdDW_2	Pace New Orleans	A21	A result greater than zero indicates the sample contains free liquid as defined by the Paint Filter Liquid Test	
EnvstdDW_2	Pace New Orleans	A25	This analyte is a common plasticizer. Its presence in field samples may be an artifact of sample collection, transport, laboratory storage or analysis.	
EnvstdDW_2	Battelle	B	Analyte concentration found in the sample at a concentration <5x the level found in the procedural blank.	
EnvstdDW_2	Lancaster Labs	B	Analyte was also detected in the blank	
EnvstdDW_2	Pace New Orleans	B	This analyte was detected in the method blank.	
EnvstdDW_2	Sherry Laboratories	B	Analyte detected in the associated Method Blank	
EnvstdDW_2	Test America Chicago	B	Compound was found in the blank and sample.	
EnvstdDW_2	Test America Houma	B	Compound was found in the blank and sample.	
EnvstdDW_2	Test America Mobile	B	Compound was found in the blank and sample.	
EnvstdDW_2	Test America Pensacola	B	Compound was found in the blank and sample.	
EnvstdDW_2	Pace New Orleans	B2	This analyte was present in the method blank, however the data are reported since the sample results are greater than 10 times the blank concentration.	
EnvstdDW_2	Battelle	D	Dilution Run. Initial run outside linear range of instrument.	
EnvstdDW_2	Lancaster Labs	D	Compound quantitated on a diluted sample	
EnvstdDW_2	Test America Chicago	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.	
EnvstdDW_2	Test America Houma	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.	
EnvstdDW_2	Test America Mobile	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.	
EnvstdDW_2	Pace New Orleans	D1	The analysis was performed at a dilution due to the high analyte concentration.	
EnvstdDW_2	Pace New Orleans	D2	The analysis was performed at a dilution due to the presence of matrix interferences.	

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
EnvstdDW_2	Battelle	E	Estimate, result is greater than the highest concentration level in the calibration.	
EnvstdDW_2	Lancaster Labs	E	Inorganics: Estimated due to interference	Inorganics
EnvstdDW_2	Lancaster Labs	E	Organics: Concentration exceeds the calibration range of the instrument	Organics
EnvstdDW_2	Pace New Orleans	E	The sample concentration is above the linear calibrated range of the analysis.	
EnvstdDW_2	Sherry Laboratories	E	Estimated value	
EnvstdDW_2	Test America Chicago	E	Result exceeded calibration range.	
EnvstdDW_2	Test America Houma	E	Result exceeded calibration range.	
EnvstdDW_2	Test America Mobile	E	Result exceeded calibration range.	
EnvstdDW_2	Test America Chicago	H	Sample was prepped or analyzed beyond the specified holding time	
EnvstdDW_2	Test America Houma	H	Sample was prepped or analyzed beyond the specified holding time	
EnvstdDW_2	Test America Mobile	H	Sample was prepped or analyzed beyond the specified holding time	
EnvstdDW_2	Test America Pensacola	H	Sample was prepped or analyzed beyond the specified holding time	
EnvstdDW_2	Battelle	J	Analyte detected below the sample-specific Reporting Limit (RL).	
EnvstdDW_2	Gulf Coast Analytical	J	Indicates an estimated value	
EnvstdDW_2	Lancaster Labs	J	Estimated value--The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).	
EnvstdDW_2	Louisiana State University	J	Indicates an estimated value	
EnvstdDW_2	Pace Minnesota	J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit	
EnvstdDW_2	Pace New Orleans	J	This estimated value for the analyte is below the adjusted reporting limit but above the intrument reporting limit.	
EnvstdDW_2	Test America Burlington	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
EnvstdDW_2	Test America Chicago	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
EnvstdDW_2	Test America Houma	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
EnvstdDW_2	Test America Mobile	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
EnvstdDW_2	Test America Pensacola	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
EnvstdDW_2	Pace New Orleans	M1	The sample required reextraction and/or reanalysis due to surrogate recoveries outside the QC limits. Reanalysis yielded similar results, indicating a sample matrix effect. The result	
EnvstdDW_2	Pace New Orleans	M2	The sample required reanalysis due to internal standard response outside the QC limits. Reanalysis yielded similar results, indicating a sample matrix effect. The results reported are from the original analysis.	

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
EnvstdDW_2	Pace New Orleans	M5	Poor internal standard responses were observed in this sample. Analysis of the sample MS/MSD yielded similar results, indicating a sample matrix effect. No further corrective acion wa	
EnvstdDW_2	Battelle	ME	Significant Matrix Interference - Estimated value.	
EnvstdDW_2	Battelle	N	Quality Control (QC) value is outside the accuracy or precision Data Quality Objective (DQO), but meets the contingency criteria.	
EnvstdDW_2	Lancaster Labs	N	Presumptive evidence of a compound (TICs only)	
EnvstdDW_2	Pace New Orleans	N	See narrative for a detailed explanation.	
EnvstdDW_2	Test America Mobile	N	This flag indicates the presumptive evidence of a compound.	
EnvstdDW_2	Test America Mobile	R	The instrument was not calibrated for this compound. A non-detect indicates that the characteristic ions were not present and the compound was not qualitatively identified. No controls were present to determine either sample preparation efficiency or the instrument sensitivity for the compound. As a result, the limit of detection is not known and the reported concentrations are estimates.	
EnvstdDW_2	Battelle	T	Holding Time (HT) exceeded.	
EnvstdDW_2	Test America Mobile	T	Result is a tentatively identified compound (TIC) and an estimated value.	
EnvstdDW_2	Ananlytical Resources Inc.	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Battelle	U	Analyte not detected at 3:1 signal:noise ratio.	
EnvstdDW_2	Environmental Enterprises	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Gulf Coast Analytical	U	Indicates the compound was analyzed for but not detected	
EnvstdDW_2	Lancaster Labs	U	Compound was not detected	
EnvstdDW_2	Louisiana State University	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Pace Minnesota	U	Indicates the compound was analyzed for but not detected	
EnvstdDW_2	Pace New Orleans	U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.	
EnvstdDW_2	Sherry Laboratories	U	Indicates the analyte was analyzed for but not detected.	
EnvstdDW_2	SPL Lafayette	U	Indicates the analyte was analyzed for but not detected.	
EnvstdDW_2	Test America Burlington	U	Indicates the analyte was analyzed for but not detected.	
EnvstdDW_2	Test America Chicago	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Test America Houma	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Test America Mobile	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Test America Nashville	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Test America Pensacola	U	Indicates the analyte was analyzed for but not detected	
EnvstdDW_2	Test America Chicago	V	Serial Dilution exceeds the control limits	
EnvstdDW_2	Test America Mobile	V	Serial Dilution exceeds the control limits	
EnvstdDW_2	Test America Mobile	Y	The chromatographic response resembles a typical fuel pattern.	
EnvstdDW_2	Pace New Orleans	Y2	The calculated seed correction exceeded the range of 0.6 to 1.0 mg/L.	
EnvstdDW_2	Pace New Orleans	Y3	The glucose/glutamic acid standard exceeded the range of 198 plus or minus 30.5 mg/L.	
EnvstdDW_2	Pace New Orleans	Y4	Less than 1.0 mg/L DO remained for all dilutions set. The reported value is an estimated greater than value.	

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
FLDW		A	Value reported is the mean (average) of two or more determinations.	
FLDW		I	The reported value is between the laboratory MDL and the laboratory PQL.	
FLDW		J	Estimated value; value not accurate. All results with a "J" qualifier require comment.	
FLDW		N	Presumptive evidence of presence of material	
FLDW		Q	Sample held beyond the accepted holding time	
FLDW		T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.	
FLDW		U	Compound was analyzed for but not detected.	
FLDW		Y	Laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.	
LDEQDW	Accutest	J	Used for any hits between 0.1 ppbv and 0.5 ppbv and it signifies that those values were estimated values.	
LDEQDW	Accutest	U	Means that those parameters were not detected at or above 0.1 ppbv.	
NPSDW	TestAmerica Pensacola	I	Result detected between the MDL and PQL.	
NPSDW	TestAmerica Pensacola	U	Non-detect.	
NPSDW	TestAmerica Pensacola	V	Is a result detected in the associated method blank.	
R04DW		*	Duplicate analysis not within control limits.	Inorganic
R04DW		>		
R04DW		B-1	Analyte is found in the associated blank as well as in the sample (CLP B-flag).	Organic
R04DW		B-2	Reporting level eleveated due to trace amounts of analyte present in the method blank.	Organic
R04DW		B-3	Level in blank does not impact data quality	Organic
R04DW		B-4	Level in blank impacts MRLs.	Organic
R04DW		Cra		
R04DW		D	Detection associated with sample dilution.	Organic
R04DW		D	Detection associated with sample dilution.	Inorganic
R04DW		D-1	The analyte was determined to be present. The presence of the analyte was confirmed by GC/MS.	Organic
R04DW		D-2	Due to Matrix interference, the sample cannot be accurately quantified. The reported result is qualitative.	Organic
R04DW		D-3	Sample diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.	Organic
R04DW		D-4	MRL elevated due to interferences.	Organic
R04DW		D-5	Estimated quantitation for one or more individual constituents comprising >10% of the total.	Organic
R04DW		E	Concentration exceeds calibration range of GC/MS instrument.	
R04DW		J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.	

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
R04DW		J-	The result is an estimated quantity, but the result may be biased low.	Inorganic
R04DW		J+	The result is an estimated quantity, but the result may be biased high.	Inorganic
R04DW		NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
R04DW		O		
R04DW		Q-2	Result greater than MDL but less than MRL.	Organic
R04DW		U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.	
R04DW		UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.	
R06DW	USEPA Region 6 Houston Laboratory	<	Undetected	
R06DW	Accutest	>	No flash at the associated temperature.	
R06DW	Accutest	B	Indicates analyte found in associated method blank	
R06DW	Air Toxics LTD	B	Compound present in laboratory blank greater than reporting limit (background subtraction not performed).	
R06DW	Gulf Coast Analytical Labs	B	Indicates the result is between the RDL and MDL	Inorganics
R06DW	Gulf Coast Analytical Labs	B	Indicates the analyte was detected in the associated Method Blank	Organics
R06DW	Test America Austin	B	Analyte was detected in the associated Method Blank.	
R06DW	Test America Austin	B	Analyte was detected in the associated Method Blank.	
R06DW	USEPA Region 6 Houston Laboratory	B	Blank Related - The concentration found in the sample was less than 10X the concentration found in the associated extraction, digestion and/or analysis blank. Presence in the sample is therefore suspect.	
R06DW	Air Toxics LTD	E	Exceeds instrument calibration range.	
R06DW	ALS Houston	H	Analyzed outside of Holding Time	
R06DW	Accutest	J	Indicates an estimated value	
R06DW	Air Toxics LTD	J	Estimated value.	
R06DW	ALS Houston	J	Analyte detected below quantitation limit	
R06DW	Gulf Coast Analytical Labs	J	Indicates an estimated value	
R06DW	SPL Houston	J	Estimated value between MDL and PQL	
R06DW	Test America Austin	J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the MethodDetection Limit (MDL). The user of this data should be aware that this data is of limited reliability.	
R06DW	Test America Austin	J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.	
R06DW	Test America Burlington	J	Estimated value.	
R06DW	Test America Burlington	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	

Appendix H. Qualifier Definitions

Site_No	Lab Name (VVL)	Qualifier (Valid Value)	Definition	Application (Inorganic/organic)
R06DW	USEPA Region 5 Chicago Laboratory	J	The identification of the analyte is acceptable; the reported value is an estimate.	
R06DW	USEPA Region 6 Houston Laboratory	J	The identification of the analyte is acceptable; the reported value is an estimate.	
R06DW	USEPA Region 6 Houston Laboratory	K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.	
R06DW	USEPA Region 6 Houston Laboratory	L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.	
R06DW	USEPA Region 6 Houston Laboratory	No Flash	No flash at the associated temperature.	
R06DW	USEPA Region 6 Houston Laboratory	RL	The reporting limit for this analyte was raised because absence or presence at the routine or lower value could not be verified.	
R06DW	USEPA Region 6 Houston Laboratory	T	The compounds listed are tentatively identified by the best match with the NIST or Wiley mass spectral data base or by manual interpretation. The concentrations are estimated based on a Response Factor of 1.0 to the nearest internal standard.	
R06DW	Accutest	U	Not detected	
R06DW	Air Toxics LTD	U	Compound analyzed for but not detected above the reporting limit.	
R06DW	ALS Houston	U	Analyzed but not detected above the MDL	
R06DW	Gulf Coast Analytical Labs	U	Indicates the compound was analyzed for but not detected	
R06DW	SPL Houston	U	Not Detected at the Reporting Limit	
R06DW	TCEQ Houston Laboratory	U	Undetected	
R06DW	Test America Austin	U	Not detected.	
R06DW	Test America Austin	U	Not detected.	
R06DW	Test America Burlington	U	Compound analyzed but not detected at a concentration above the reporting limit.	
R06DW	Test America Burlington	U	Indicates the analyte was analyzed for but not detected.	
R06DW	USEPA Region 5 Chicago Laboratory	U	Not Detected	
R06DW	USEPA Region 6 Houston Laboratory	U	Undetected	
R06DW	Air Toxics LTD	UJ	Non-detected compound associated with low bias in the CCV	

Appendix I. Laboratories used for Deepwater Horizon Sample Analysis

Data Provider (Site_No)	Lab_Name (Valid Value)	Lab_Contact	Lab_Phone	Lab_Fax	Lab_Address	Lab_City	Lab_State	Lab_Zip
ADEMDW	ADEM - CENTRAL LAB				1350 Coliseum Blvd	Montgomery	AL	36110-2412
	ADEM - MOBILE LAB		251-344-6049	251-344-6895	757 Museum Drive	Mobile	AL	36608
ALECIDW	EnviroChem Inc		251-344-9106	241-341-9492	4320 Midmost Drive	Mobile	AL	36609
	Micro Methods Laboratory Inc	Harry Howell	228-875-6420		6500 Sunplex Drive	Ocean Springs	MS	39564
BPDW	TCEQ Houston Laboratory	Andy Goodridge	281-457-5229	281-457-9107	5144 E. Sam Houston Parkway N.	Houston	TX	77015-3225
	USEPA Region 6 Houston Laboratory	Christy Warren	281-983-2137	281-983-2248	10625 Fallstone Road	Houston	TX	77099
CTEH DW	Air Toxics Ltd	Jackie Luta	916-985-1000	916-985-4719	180 Blue Ravine Road, Suite B	Folsom	CA	95630
	Galson Laboratories		315-432-5227		6601 Kirkville Road	East Syracuse	NY	13057
	Gulf Coast Analytical Labs	Abigail W. Guerin, PM	225-214-7038		7979 GSRI Ave.	Baton Rouge	LA	70820
	Pace Minnesota	Julie Thieschafer, PM	612-607-6363		1700 Elm Street	Minneapolis	MN	55414
	Test America Burlington	Don Dawicki	802-660-1990		30 Community Drive, Suite 11	South Burlington	VT	05403
	Test America Mobile	Charles Newton	251-666-6633		900 Lakeside Drive	Mobile	AL	36693
	Test America Nashville	Johnny Mitchell	800-765-0980		2960 Foster Creighton Drive	Nashville	TN	37204-3719
	Test America Pensacola		850-474-1001		3355 McLemore Dr	Pensacola	FL	32514
	Test America University Park	Eric Lang, PM	708-534-5200		2417 Bond Street	University Park	IL	60484
EnvstdDW_2	ARIS Laboratories	Sue Dunnihoo, PM	206-695-6207		4611 South 134th Place Suite 100	Tukwila	WA	98168
	Battelle	Kerylynn Krahforst, PM	781-952-5250		397 Washington Street	Duxbury	MA	02332
	Environmental Enterprises	David Daniel, PM	800-966-2788		58485 Pearl Acres Rd. Suite D	Slidell	LA	70461
	Gulf Coast Analytical Labs	Abigail W. Guerin, PM	225-214-7038		7979 GSRI Ave.	Baton Rouge	LA	70820
	Lancaster Laboratories	Lynn Frederiksen, PM	717-656-2300		2430 New Holland Pike	Lancaster	PA	17601
	Louisiana State University Laboratory	Scott Miles	225-578-4295		Department of Environmental Sciences, 1261 Energy, Coast, & Environment Building	Baton Rouge	LA	70803
	Pace Minnesota	Julie Thieschafer, PM	612-607-6363		1700 Elm Street	Minneapolis	MN	55414
	Pace New Orleans	Kevin McCann, PM	504-305-3639		1000 Riverbend Blvd, Suite F	St. Rose	LA	70087
	Sherry Laboratories	Annie Reedy, PM	800-737-2378		2417 W. Pinhook Road	Lafayette	LA	70508
	Spectra Labs	Steve Hibbs, Lab Manager	253-272-4850	253-527-9838	2221 Ross Way	Tacoma	WA	98421
	SPL Lafayette	Patti Petro	337-237-4775		500 Ambassador Caffery Parkway	Scott	LA	70583
	Springborn Smithers Laboratory	Mike Bradley	205-317-4905		Massachusetts Research Center, 790 Main Street	Wareham	MA	02571-1037
	Test America Burlington	Don Dawicki	802-660-1990		30 Community Drive, Suite 11	South Burlington	VT	05403
	Test America Houma	Debra Vergin	850-878-3994		1597 Highway 311	Shriver	LA	70395
	Test America Mobile	Charles Newton	251-666-6633		900 Lakeside Drive	Mobile	AL	36693
	Test America Nashville	Johnny Mitchell	800-765-0980		2960 Foster Creighton Drive	Nashville	TN	37204-3719
	Test America Pensacola		850-474-1001		3355 McLemore Dr	Pensacola	FL	32514
	Test America University Park	Eric Lang, PM	708-534-5200		2417 Bond Street	University Park	IL	60484
ERTDW	Bureau Veritas	Laura McMahon-Parker	248-344-2649		22345 Roethel Drive	Novi	MI	48375
	ERT/SERAS	Vinod Kansal	732-321-4252	732-494-4021	2890 Woodbridge Ave.	Edison	NJ	08837
	Test America Phoenix	Stephanie Stimson	866-772-5227		4625 E. Cotton Center Blvd. Suite 189	Phoenix	AZ	85040
FLDW	Columbia Analytical Svcs	Jeff Christian	360-577-7222	360-636-1068	1317 South 13th Ave	Kelso	WA	98626
	FDEP Central Laboratory	G. William Coppenger, PhD	850-245-8059	850-412-0441	2600 Blair Stone Rd	Tallahassee	FL	32300-2400
	Test America Tallahassee	Laura Snead	850-878-3994	850-878-9504	2846 Industrial Plaza Dr	Tallahassee	FL	32301
LDEQDW	SPL Houston				8880 Interchange Drive	Houston	TX	77054
MS DWH	Micro Methods Laboratory Inc	Harry Howell	228-875-6420		6500 Sunplex Drive	Ocean Springs	MS	39564
NPSDW	Test America Pensacola		850-474-1001		3355 McLemore Dr	Pensacola	FL	32514

Appendix I. Laboratories used for Deepwater Horizon Sample Analysis

Data Provider (Site_No)	Lab_Name (Valid Value)	Lab_Contact	Lab_Phone	Lab_Fax	Lab_Address	Lab_City	Lab_State	Lab_Zip
R04DW	ALS Fort Collins		970-490-1511		225 Commerce Drive	Fort Collins	CO	80524
	ALS Holland MI	Ann Preston	616-399-6070		3352 128th Ave.	Holland	MI	49424
	ALS Houston	Kevin Given	281-530-5656		10450 Stancliff Road, Suite 210	Houston	TX	77099
	ALS Salt Lake City	Kevin Griffiths	800-356-9135		960 West LeVoy Drive	Salt Lake City	UT	84123
	Bio-Aquatic Testing, Inc.							
	Center for Ecological Sciences	Michael Barbour	410 356-8993		400 Red Brook Blvd. Suite 200	Owings Mills	MD	21117
	Eastern Research Group							
	eLab Houston							
	EnviroSystems, Inc.							
	Test America Mobile		251-666-6633	251-666-6696	900 Lakeside Drive	Mobile	AL	36693
	USEPA Region 4 SESD		706-355-8500	706-355-8508	Science and Ecosystems Support Division (SESD), 980 College Station Road	Athens	GA	30605-2720
R06DW	ACCUTEST	Marianne Walker	713-271-4700	713-271-4770	10165 Harwin Drive, Suite 150	Houston	TX	77036
	Air Toxics Ltd	Jackie Luta	916-985-1000		180 Blue Ravine Road, Suite B	Folsom	CA	95630
	ALS Houston	Kevin Given	281-530-5656	281-530-5887	10450 Stancliff Road, Suite 210	Houston	TX	77099
	Chester Lab Net OR	Paul Duda	503-624-2183		12242 SW Garden Place	Tigard	OR	97223
	Gulf Coast Analytical Labs	Shelley Bourgeois	225-769-4900		7979 GSRI Ave.	Baton Rouge	LA	70820
	PBS&J	Jim Horne	713-977-1500	713-977-9233	888 West Sam Houston Parkway, Suite 110	Houston	TX	77042
	SPL Houston	Kesavalu Bagawandoss	713-660-0901		8880 Interchange Drive	Houston	TX	77054
	TCEQ Houston Laboratory				5144 E. Sam Houston Parkway N.	Houston	TX	77015
	Test America Austin	Carl Skelley	512-310-5208		14050 Summit Dr. Suite A-100	Austin	TX	78728
	Test America Burlington	Don Dawicki	802-660-1990		30 Community Drive, Suite 11	South Burlington	VT	05403
	USEPA Region 5 Chicago Laboratory	Amanda Wroble	312-353-0375		536 S. Clark St.	Chicago	IL	60605
	USEPA Region 6 Houston Laboratory	Christy Warren	281-983-2137	281-983-2248	10625 Fallstone Road	Houston	TX	77099
	Weston Solutions Inc	Amy Margolis	760-795-6959	760-931-1580	2433 Impala Drive	Carlsbad	CA	92011
USGSDW	Severn-Trent Laboratory, Denver, CO		303-421-6611		4955 Yarrow St.	Arvada	CO	80002
	Test America Burlington	Don Dawicki	802-660-1990		30 Community Drive, Suite 11	South Burlington	VT	05403
	Test America Denver, Arvada, CO		303-736-0100		4955 Yarrow St.	Arvada	CO	80002
	Test America Pensacola		850-474-1001		3355 McLemore Dr	Pensacola	FL	32514
	USGS Carbon Research Lab, Boulder, CO							
	USGS Water Resources Discipline							
	USGS National Water Quality Lab, Denver, CO				Denver Federal Center, P.O. Box 25585, Bldg 95	Denver	CO	80225-0585
	USGS Sediment-partitioning Research Lab, GA							

Appendix J. Validation Test Summary

Test No.	Test Name	Table	Field	Required Field	Test Description	Comment	Test Status
27	LR-Analysis	LabResults	Analysis	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
28	LR-Analyte	LabResults	Analyte	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
29	LR-Analytical_Method	LabResults	Analytical_Method	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
30	LR-Basis	LabResults	Basis	X	Test against rules / valid value list	Only pertinent to solid samples (Only options are Wet/Dry/As Rcd)	Currently Tested
					Test for null or blank value in required field. Does not test for null or blank in non-solid samples.	Null or blank OK for non-solid matrices	Currently Tested
31	LR-cas_no	LabResults	cas_no		Test against valid value list		Currently Tested
					Test for null or blank value		Currently Tested
61	C-COC	COC	COC	X	Test for null or blank value in required field		Currently Tested
24	SW-ConductUnits	SamplesWater	ConductUnits		Test against valid value list		Currently Tested
50	LR-Date_Analyzed	LabResults	Date_Analyzed	X	Date - Between 4/23/2010 and Now		Currently Tested
					Test for null or blank value in required field	Has QA value for holding times	Currently Tested
51	LR-Date_Collected	LabResults	Date_Collected	X	Date - Between 4/23/2010 and Now		Currently Tested
					Test that Date_Collected is within 48 hours of Samples.SampleDate		Currently Tested
					Test for null or blank value in required field		Currently Tested
52	LR-Date_Received	LabResults	Date_Received	X	Date - Between 4/23/2010 and Now		Currently Tested
					Test for null or blank value in required field	Has QA value for holding times; however, other dates provide more critical information	Test not performed; requirement not enforced
26	L-Datum	Location	Datum	X	Test for null or blank value in required field	Allows Datum to be blank where latitude and longitude equal 0.0	Currently Tested
					Test against valid value list		Currently Tested
32	LR-detected	LabResults	Detected	X	Test against rules / valid value list	Options are Y or N	Currently Tested
					Test for null or blank value in required field		Currently Tested
25	SW-Diss02Units	SamplesWater	Diss02Units		Test against valid value list	Option is mg/L; only applicable to water samples	Currently Tested
62	E-EventID	Events	EventID	X	Test for null or blank value in required field		Currently Tested
4	LR-Final_Volume_unit	LabResults	Final_Volume_unit		Test against valid value list	The unit of measure that corresponds to the Final_Volume. (The Final_Volume is the volume of the sample after sample preparation, including all dilution factors)	Currently Tested
2	L-GeoMethod	Location	GeoMethod		Test against valid value list	Valid Values are either "GPS" or "Map Interpolation"	Currently Tested
		Instruments	Instrument_Type	X	Test for null or blank value in required field	generally only used for air samples	Test not performed; requirement not enforced
		Instruments	InstrumentID	X	Test for null or blank value in required field	Instrument Identifier. Optional field for use by laboratory.	Test not performed; requirement not enforced
		LabResults	Lab_Batch_No	X	Test for null or blank value in required field	has limited QC value	Test not performed; requirement not enforced
		LabResults	Lab_Coc_No	X	Test for null or blank value in required field	has limited QA value	Test not performed; requirement not enforced
33	LR-Lab_Name	LabResults	Lab_Name	X	Test against valid value list	VVL/synonyms	Currently Tested
					Test for null or blank value in required field	important for data validation and tracking	Currently Tested
5	LR-Lab_result_qualifier	LabResults	Lab_result_qualifier		Test against valid value list		Currently Tested

Appendix J. Validation Test Summary

Test No.	Test Name	Table	Field	Required Field	Test Description	Comment	Test Status
		LabResults	Lab_Samp_No	X	Test for null or blank value in required field	has limited QC value	Test not performed; requirement not enforced
48	L-Latitude	Location	Latitude	X	Range test - values beween 23.3 and 31.0; or 0 for QA samples	allow 0 for QA samples	Currently Tested
					Test for null or blank value in required field		Currently Tested
49	L-Longitude	Location	Longitude	X	Range test - values beween -97.3 and -79.9; or 0 for QA samples	allow 0 for QA samples	Currently Tested
					Test for null or blank value in required field		Currently Tested
		Samples	LinkSampleNo	X	Test for null or blank value in required field	not always applicable	Test not performed; requirement not enforced
65	L-Location	Location	Location	X	Test for null or blank value in required field		Currently Tested
3	L-locationzone	Location	locationzone		Test against valid value list		Currently Tested
39	S-matrix	Samples	Matrix	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
66	LR-Martix_ID	LabResults	Matrix_ID	X	Flag if Martix_ID not equal to Samples.Matrix		Test removed from list (3/23/11)
					Test for null or blank value in required field		Currently Tested
53	LR-MDL	LabResults	MDL	X	Test for null or blank value in required field		Currently Tested
34	LR-MDL_Units	LabResults	MDL_Units	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
68	SM-Meas_Descr	SamplesMeasurements	Meas_Descr	X	Test for null or blank value in required field		Currently Tested
57	M-Mon_Date	Monitoring	Mon_Date	X	Date - Between 4/23/2010 and Now		Currently Tested
					Test for null or blank value in required field		Currently Tested
13	M-Mon_Meas_Units	Monitoring	Mon_Meas_Units		Test against valid value list		Currently Tested
38	M-mon_parameter	Monitoring	Mon_Parameter	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
14	M-Mon_Qualifier	Monitoring	Mon_Qualifier		Test against valid value list		Currently Tested
15	M-Mon_Source	Monitoring	Mon_Source		Test against valid value list		Currently Tested
58	M-Mon_Time	Monitoring	Mon_Time	X	Test for null or blank value in required field		Currently Tested
16	PI-OwnerOccupied	PropertyInfo	OwnerOccupied		Test against valid value list	null is acceptable	Currently Tested
54	LR-Percent_Recovery	LabResults	Percent_Recovery	X	Test for null or blank value associated with Matrix Spikes or Matrix Spike Duplicates only	Only required on QA samples	Currently Tested
17	PI-PropertyAccessAgreement	PropertyInfo	PropertyAccessAgreement		Test against valid value list		Currently Tested
67	PI-PropertyID	PropertyInfo	PropertyID	X	Test for null or blank value in required field		Currently Tested
18	PI-PropertyState	PropertyInfo	PropertyState		Test against valid value list		Currently Tested
19	PI-PropertyZone	PropertyInfo	PropertyZone		Test against valid value list		Currently Tested
1	LR-QAFlag	LabResults	QAFlag		Test against valid value list	Options 0 or 1; 0 = data not validated; 1 = data validated	Currently Tested
6	LR-QC_Type	LabResults	QC_Type		Test against valid value list		Currently Tested
7	LR-Quantitation_Limit_Units	LabResults	Quantitation_Limit_Units		Test against valid value list		Currently Tested
8	LR-Reportable_Result	LabResults	Reportable_Result		Test against rules / valid value list	Options No or Yes	Currently Tested
55	LR-Reporting_Limit	LabResults	Reporting_Limit	X	Test for null or blank value in required field		Currently Tested
35	LR-Reporting_Limit_Units	LabResults	Reporting_Limit_Units	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
56	LR-Null_Result_no_U_or_R	LabResults	Result	X	Test for null or blank value in required field; where null, U or R qualifier is required	U or R Flag required for null values; a 0.0 result does not need a qualifier	Currently Tested
9	LR-Result_Qualifier	LabResults	Result_Qualifier		Test against valid value list		Currently Tested
36	LR-Result_Type_Code	LabResults	Result_Type_Code	X	Test against rules / valid value list	VVs are pertinent to subset of analytes (Options TRG, SUR, TIC)	Currently Tested
					Test for null or blank value in required field		Currently Tested

Appendix J. Validation Test Summary

Test No.	Test Name	Table	Field	Required Field	Test Description	Comment	Test Status
37	LR-Result_Units	LabResults	Result_Units	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
59	S-Samp_Depth	Samples	Samp_Depth	X	Test for null or blank value in non-air sample	important for non-air samples; required for sediment, water and surface water sample matrices with field sample or field duplicate SampleType	Currently Tested
		Samples	Samp_Depth_To	X	Test for null or blank value in required field	only pertinent to cores, not applied with consistent practice	Test not performed; requirement not enforced
40	S-samp_depth_units	Samples	Samp_Depth_Units	X	Test against valid value list	Required when Samp_Depth is included	Currently Tested
					Test for null or blank value in required field		Currently Tested
69	S-Samp_No	Samples	Samp_No	X	Test for null or blank value in required field		Currently Tested
21	S-SampleCollection	Samples	SampleCollection		Test against valid value list		Currently Tested
60	S-SampleDate	Samples	SampleDate	X	Date - Between 4/23/2010 and Now		Currently Tested
					Test for null or blank value in required field		Currently Tested
22	S-SampleMedia	Samples	SampleMedia		Test against valid value list		Currently Tested
41	S-SampleType	Samples	SampleType	X	Test against valid value list		Currently Tested
					Test for null or blank value in required field		Currently Tested
70	S-Site_Name	Samples	Site_Name	X	Test for null or blank value in required field		Currently Tested
42	S-Site_no	Samples	Site_No	X	Test for null or blank value in required field		Currently Tested
					Test against valid value list		Currently Tested
10	LR-SubSample_Amount_Unit	LabResults	SubSample_Amount_Unit		Test against valid value list	Unit of measure for subsample amount. Subsample amount= the amount of sample used for the test.	Currently Tested
71	ST-Tag	SamplesTags	Tag	X	Test for null or blank value in required field		Currently Tested
20	PI-TennantOccupied	PropertyInfo	TennantOccupied		Test against valid value list	Valid Values are yes and no	Currently Tested
11	LR-Test_Type	LabResults	Test_Type		Test against valid value list	Type of test in the laboratory. This field is used to distinguish between initial runs, re-extractions, reanalysis, and dilutions. Refer to Valid Values.	Currently Tested
12	LR-Total_Or_Disolved	LabResults	Total_Or_Disolved	X	Test for null or blank value in required field	Must be "T" for total [metal] concentration, "D" for dissolved or filtered [metal] concentration, or null for organic (or other) constituents for which neither "total" or "dissolved" are not applicable	Test not performed
					Test against rules / valid value list	"T" or "D"	Currently Tested
23	S-Volume_Units	Samples	Volume_Units		Test against valid value list	Required ONLY for Air Samples	Currently Tested
47	S-SampleTime	Samples	SampleTime		SampleTime format as hh:mm	enforce consistent reporting in a text field	Currently Tested
46	Orph-Samp	LabResults	Samp_No		Orphaned samples – samples reported in LabResults table but not in Samples table		Currently Tested
45	Orph_Locs_in_Samps	Samples	Location		Orphaned locations in Samples table – locations shown in Samples table but not Location table		Currently Tested
44	Orph_Locs_in_Mon	Monitoring	Location		Orphaned locations in Monitoring table – locations shown in Monitoring table but not Location table		Currently Tested
43	Locs_Not_in_S_or_M	Location	Location		Orphaned locations in Location table – locations shown in Location table but not in either the Monitoring or Samples tables		Currently Tested
	Uniqueness	Samples	Samp_No		Tests for uniqueness across combined databases		*Test on hold for this Phase of Clean-up*
		Location	Location		Tests for uniqueness across combined databases		*Test on hold for this Phase of Clean-up*

Appendix J. Validation Test Summary

Test No.	Test Name	Table	Field	Required Field	Test Description	Comment	Test Status
	Uniqueness	Events	EventID		Tests for uniqueness across combined databases		*Test on hold for this Phase of Clean-up*
		PropertyInfo	PropertyID		Tests for uniqueness across combined databases		*Test on hold for this Phase of Clean-up*
	Consistency across tables	*multiple*	Site_no		Location.Site_no=Samples.Site_no=LabResults.Site_No for a given location/sample		*Test on hold for this Phase of Clean-up*
		multiple	Site_no		Location.Site_no=Monitoring.Site_no for a given location		*Test on hold for this Phase of Clean-up*
		multiple	*multiple*		Samples.Matrix=LabResults.Matrix_ID		*Test on hold for this Phase of Clean-up*

Appendix K: Generating Validation Reports for DW Scribe Projects

Data providers and users can run validation reports with the code, DW_Scribe_Validation_Report_Generator.xlsm.

The following files need to be in a folder:

1. Valid_Value_Input.xlsx that contains the following sheets:
   1.1. ValidValues – The up-to-date valid values list. The list will be processed until the first empty row is encountered.
   1.2. Projects – The first three columns list information on the project mdb files. The list will be processed until the first empty row is encountered. The referenced mdb file must be named exactly as shown in column B. If your Access files are named differently, please change the file's name or the name as shown in column B.
   Column D list the tables that are queried and are independent of the first three columns.
   1.3. SQL_Input – Provides input for running the queries. The queries are generated in Column D.
   Note: These worksheets must be named as shown.
2. All DW Scribe Access files that will be processed.
   Note: The file, DW_Scribe_Validation_Report_Generator.xlsm, need not be in the same folder.

After putting the workbook and database file(s) into a folder, DW_Scribe_Validation_Report_Generator.xlsm can be run. To start the process, click the big button labeled, "Select Folder that contains DW_Scribe databases, (*.mdb) files, and VVL Input". A folder browser will pop up. Browse to your folder and select. After selecting your folder, two checklists will appear, one for projects and the second one for queries. You can use the top buttons to select and unselect all the choices and check/uncheck individual projects or queries. After completing your selections, click the button called, "Run Validation Reports". A status bar will display your progress. The code will process the selected queries for the selected projects and save a summary report and project reports in the selected folder. The status bar will indicate the time of the run and that it is safe to close Excel.

The output files are date stamped. If you make a second run in a day, use a different folder or move the date-stamped output files.

The file Delete_Validation_Report_Files.xlsm can be used to delete the working temporary database and validation reports generated by DW_Scribe_Validation_Report_Generator.xlsm. It can be used following an execution error or if the user wants to overwrite validation reports produced previously and on the same day.

Appendix L: Outline of Archived Files

The Scribe databases are part of the Deepwater Horizon Special_Collections.

- Scribe_Database_Collections
  - Documentation
    - SummaryOfScribePhaseII.docx
    - ScribeDatabasesPhaseII_metadata.xml
    - readMe.txt
  - SupportingMaterials
    - ValidationReportCode
      - Generating_Validation_Reports.docx
      - DW_Scribe_Validation_Report_Generator.xlsm
      - Valid_Value_Input.xlsx
    - ReferenceFiles
      - AppendixAListOfParticipants.xlsx
      - AppendixBScribeDatabaseTables.docx
      - AppendixCDatabaseRulesforDataElements.xlsx
      - AppendixDValidValuesList.csv
      - AppendixDValidValuesList.xlsx
      - AppendixEValidValuesWithSynonym.xlsx
      - AppendixFAnalyteCASNoCrossref.csv
      - AppendixFGCasNo_Analyte_Crossref.xlsx
      - AppendixGCASNoAnalyteCrossref.csv
      - AppendixHQualifierDefinitions.xlsx
      - AppendixILaboratoriesUsedForSampleAnalysis.xlsx
      - AppendixJValidationTestSummary.xlsx
      - AppendixKGeneratingValidationReports.docx
      - AppendixLOutlineOfArchiveStructure.docx
  - Databases
    - 1082_EPA_DW_Reporting
      - 29Apr11 Deepwater Horizon Rules Valid Values.xlsx
      - 1082_EPA_DW_Reporting_notedExceptions.pdf
      - DW_Reporting_02May11_V219.zipx
      - EPA-02May11_annotated.xlsx
      - final validation report - EPA 1082 database 051611.pdf
    - 1112_EPA_BPDW
      - 26May11 Deepwater Horizon Rules Valid Values.xlsx
      - 1112_EPA_BPDW_notedExceptions.pdf
      - BP_DW_Sampling_Analytical_01Jun11_V6.zipx
      - BP_DW-01Jun11_annotated.xlsx
      - final validation report - EPA 1112 database 060111.pdf
    - 1113_LDEQ
      - 13Apr11 Deepwater Horizon Rules Valid Values.xlsx
      - 1113_LDEQ_notedExceptions.pdf
      - final validation report - LDEQ database 042111.pdf
      - LDEQ_DW_Sampling_Analytical_20Apr11_V55.zipx
      - LDEQ-20Apr11_annotated.xlsx
    - 1119_ADEM

06Apr11 Deepwater Horizon Rules Valid Values.xlsx
ADEM_DW_Sampling_Analytical_Monitoring_31Mar11_V14.zipx
final validation report - ADEM database 041211.pdf
Summary_Counts-06Apr11_ADEM.xlsx

1120_CTEH_Monitoring
29Apr11 Deepwater Horizon Rules Valid Values.xlsx
CTEH_DW_Monitoring_05May11_V15.zipx
final validation report - CTEH_Mon database 050511.pdf
CTEH_Monitoring_Summary_Counts-05May11.xlsx

1121_TS_Monitoring
11May11 Deepwater Horizon Rules Valid Values.xlsx
1121_TS_Monitoring_notedExceptions.pdf
final validation report - CTEH_TS_DW_Mon database 052411.pdf
TS_DW_Monitoring_24Jun10_V6.zipx
TS _Monitoring-11May11_annotated.xlsx

1122_MSDEQ
04Nov11 Deepwater Horizon Rules Valid Values.xlsx
MSDEQ_DW_Sampling_Analytical_09Nov11_V24.zipx
MSDEQ-09Nov11_annotated.xlsx
1122_MSDEQ_notedExceptions.pdf
VAllie_emailAttachement_notedExceptions_101211.xlsx

1130_FLDEP
23Jun11 Deepwater Horizon Rules Valid Values.xlsx
final validation report - FLDEP 1130 database 062811.pdf
FLDEP_DW_Sampling_Analytical_27Jun11_V76.zipx
FLDEP-27Jun11_annotated.xlsx
1130_FLDEP_notedExceptions.pdf

1133_NPS
27Apr11 Deepwater Horizon Rules Valid Values.xlsx
final validation report - NPS database 050211.pdf
1133_NPS_notedExceptions.pdf
NPS_DW_Sampling_26Apr11_V4.zipx
NPS-27Apr11_annotated.xlsx

1134_ALECI
04Nov11 Deepwater Horizon Rules Valid Values.xlsx
ALECI_DW_Sampling_Analytical_03Aug11_V22.zipx
ALECI_Validation_Summary_Counts-04Nov11.xlsx

1219_NOAADW
04Nov11 Deepwater Horizon Rules Valid Values.xlsx
NOAADW-08Nov11_annotated.xlsx
NOAADW_08Nov11_V81.zipx
1219_NOAADW_notedExceptions.pdf

1260_USGS
28Apr11 Deepwater Horizon Rules Valid Values.xlsx
29Apr11 Deepwater Horizon Rules Valid Values.xlsx
1260_USGS_notedExceptions.pdf
final validation report - USGS database 050211.pdf
USGS-28Apr11_annotated.xlsx
USGSDW_28Apr11_V18.zipx

1300_CTEH
11May11 Deepwater Horizon Rules Valid Values.xlsx
CTEH_DW_Sampling_Analytical_18May11_V34.zipx
CTEH_S&A-18May11_annotated.xlsx

1300_CTEH_notedExceptions.pdf

1302_ESI

11May11 Deepwater Horizon Rules Valid Values.xlsx

EnvStds_DW_Sampling_Analytical_18May11_V69.zipx

ESI-18May11_annotated.xlsx

1302_ESI_notedExceptions.pdf