The Data Dictionary of the Contaminated Sediments Database for the Gulf of Maine
U.S. Geological Survey, Woods Hole, MA
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USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
					TABLE OF STATION DATA
1	LOCAL_ID	Local row or ID No	Local Row or local ID Number		Identification for use by user in maintaining sample order. Sometimes corresponds with sample's previous DB ID. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID (US#)	Unique Sample ID Identifier (US#)		Database identification number unique to this specific sample; assigned by USGS, this is the common parameter for joining all tables in this database.
3	ORIGNL_ID	Preceding database ID	Preceding database sample ID		If this data is taken from or part of a previous data compilation, enter the unique identification number within the other database that refers to this data. The name of the preceding database is reported in ORIG_NAME.
4	ORIGL_FILE	Preceding file name	Preceding database file name		Database file name from which this specific sample came.
5	REPLCT_NO	Repl. #	Replicate Number		A number for a replicate where more than one analysis has been made of the same sample. For the purpose of unambiguous joining of multiple tables, this number is incorporated in the Unique sample identification number.
6	ST_PLANE_E	State Plane E	State Plane E		Easting coordinate in the State Plane System for the datum shown in Datum, Position.
7	ST_PLANE_N	State Plane N	State Plane N		Northing coordinate in the State Plane System for the datum shown in Datum, Position.
8	LATITUDE	Latitude (Decimal)	Latitude (decimal)		Latitude in decimal-degrees (south latitudes are negative).
9	LAT_DEG_N	Lat(Deg)N	Latitude (degrees) N		Degrees of latitude in whole degrees.
10	LAT_MIN_N	Lat(Min)N	Latitude (minutes) N		Minutes of latitude in whole or decimal units.
11	LAT_SEC_N	Lat(Sec)N	Latitude (seconds) N		Seconds of latitude in whole or decimal units.
12	LAT_ORIG	Lat Orig. Position Format	Latitude, original position format and precision		Format + precision of original latitude (e.g. ddmmss.s; dd.dddd). * = See comments; 99999 means that calculated from State plane values. Decimal was calculated if necessary; deg, min, (and sec) were sometimes calculated from decimal.
13	LONGITUDE	Longitude (Dec.)(- = W)	Longitude (decimal) (- = West longitude)		Longitude in decimal-degrees (West longitude is depicted by negative values).
14	LON_DEG_W	Lon(Deg)W	Longitude (degrees) W		Degrees of longitude (West) in whole degrees.
15	LON_MIN_W	Lon(Min)W	Longitude (minutes) W		Minutes of longitude (West) in whole or decimal minutes.
16	LON_SEC_W	Lon(Sec)W	Longitude (seconds) W		Seconds of longitude (West) in whole or decimal units.
17	LON_ORIG	Lon Orig. Position Format	Longitude, original position format and precision		Format + precision of original longitude (format and significant digits, e.g. ddmmss.s; dd.dddd). * = See comments; 99999 means that calculated from State plane values. Decimal was calculated; deg, min, (and sec) were sometimes calculated from decimal.
18	ORIG_LOC	Orig. Loctn. If Unusual	Original location in original format, if unusual		Original location if given in units other than latitude and longitude (e.g., State Plane or distance from a point).
19	DATUM_POS	Datum, Pos.	Datum, position		North American Datum (NAD) for the state plane position coordinates given.
20	DATUM_ELEV	Datum, Elev.	Datum, elevation		Datum standard for determining latitude/longitude from location map.
21	NAV_MODE	Navigational Mode	Navigational mode		Navigational system used, e.g. LORAN C, GPS, triangulation, read from a sketch map).
22	TIME_DLAY1	Time Delay 1	Time Delay 1		Navigational time delay (first value) used to calculate position from signals.
23	TIME_DLAY2	Time Delay 2	Time Delay 2		Navigational time delay (second value) used to calculate position from signals.
24	SOUNDING_M	Sounding (M)	Sounding (meters)		Measured depth of water overlying sediment at sample time, in meters.
25	SNDNG_ORIG	Sounding (In Orig Units)	Sounding (in original units, if not meters)		Measured depth of water overlying sediment at sample time, in original units.
26	SNDG_UNITS	Sounding original units	Sounding original units		Depth units (meters, feet, fathoms, etc.).
27	AGNC1_SPON	Agency1 (Sponsoring)	Agency1 (Sponsoring)		Agency or researcher sponsoring or publishing the work, see listing for abbreviations.
28	AGNC2_CNTR	Agency2 (Contracted)	Agency2 (Contracted)		Agency or researcher doing the sampling or research.
29	AGNC3_SBCN	Agency3 (Subcontracted)	Agency3 (Subcontracted)		Subcontracted agency or researcher doing the sampling or research. (Analytical laboratories are recorded elsewhere in database).
30	AGNC_OTHR	Agency4(Other)	Agency4 (Other)		Additional agencies/researcher responsible for work.
31	SRCE_RF_NO	ID # of Info source, ref.	ID number for source of Information or Reference		ID No. for source of Information or Library reference or repository for hardcopy. See References in bibliography or working dictionary to match ID No. and text abbreviation with full reference.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Text abbreviation for library reference or repository for hardcopy.
33	COM_ON_REF	Comment on Reference	Comment on Reference		Any comments about reference from which data was entered.
34	ORIG_DB_NM	Original Database Name	Original Database Name		If this data is taken from another data compilation or database, enter the NAME of that database here.
35	REG_FIL_NO	Regulatory File Number	Regulatory File Number		Permit file number when data source is part of a regulatory action.
36	PROJ_NAME	Project Name	Project Name (I.E. Lex Atlantic)		Name of project when data source/study is part of a larger study or of a regulatory action.
37	STATE_NAME	State Name	State name		Name of state encompassing sample location.
38	QUAD_NAME	Quad Name	Quadrangle name		Name of USGS Quadrangle Map encompassing the location.

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39	GEN_LOC_NM	General Location Name	General location name		Location name which is general enough to easily locate on a state map.
40	SPECFC_LOC	Specific Location Name	Specific name of location of water body		Nearest name on a 1:25,000 NOAA-type Chart.
41	AREA_CODE	Area Code	Area Code		A code derived from data in other fields to identify sample location for data analysis. Codes are defined in the working dictionary and differ from those used in other compilations e.g., Atlantic Margin Sediment Data File.
42	LOC_CMMNTS	Location Comments	Location Comments		Any additional information pertinent to sample location (e.g., exposed mud flat,) and any correction made to previously recorded locations.
43	SAMP_DAY1	Samp. Day1	Sample Day 1		Day sample collected from the natural environment began.
44	MO1	Mo1	Month 1		Month sample collected from the natural environment began.
45	YEAR1	Year1	Year 1		Year sample collected from the natural environment began.
46	TO_SMP_DA2	To Samp. Day2	To Sample Day 2		Ending day sample collected from the natural environment finished.
47	MO2	Mo2	Month 2		Ending month sample collected from the natural environment finished.
48	YEAR2	Year2	Year 2		Ending year sample collected from the natural environment finished.
49	DATE_Q	Date Q	Date qualifier		Any qualifing information available about the date(s) entered.
50	HOUR1	Hour1	Hour 1		Hour sample collected from natural environment.
51	MIN1	Min1	Minute 1		Minute sample collected from natural environment.
52	SAMP_DATE1	Samp. Date 1 Formatted	Sample Date 1 formatted		**Use with caution**. Date that sample collection began as it was reported in original reference. This is a combination if SAMP_DAY1, MO1 and YEAR1. Note that formatted dates are julian numbers and subject to manipulation by computer software.
53	TO_SMP_DT2	To Samp. Date 2 Formatted	To Sample Date 2 formatted		**Use with caution**. Date that sample collection ended as it was reported in original reference. This is a combination if SAMP_DAY2, MO2 and YEAR2. Note that formatted dates are julian numbers and subject to manipulation by computer software.
54	TIDE	Tide	Tide		Tidal condition when sample was collected or other information about tidal conditions.
55	ORIG_FIELD	Sample ID or Original No.	Sample ID or original Sample Field Number		Identification number given to sample at collection time or by original researcher.
56	CRUISE_ID	Cruise Id	Cruise ID		Name or number of cruise on which sample collected.
57	ORIG_STATN	Orig. Sta. #	Original station #		Name or number of station at which sample collected.
58	CORE_GRAB	Core Or Grab #	Core Or Grab #		Name or number of core or grab from which sample was extracted.
59	SMPLNG_DEV	Sampling Device	Sampling Device		Device used to collect the sample, see listing for abbreviations.
60	SAMPL_TYPE	Sample Type	Sample type		Type of sediment material analyzed, e.g., sediment, size-fractionated sediment, sediment leach, porewaters, etc. This database contains sediment only.
61	DPTH_N_COR	Depth in Core or Sediment	Depth in Core or sediment, when interval is not given (cm or text)		The depth of the sample in the sediment if only one number is given , or words if no numerical value is given (e.g., 2 cm; surface) in units of cm.
62	DEPTH_TOP	Depth Intrvl, Top of Core	Depth interval, top of Core or sample (cm)		Depth interval, top of Core or sample (cm).
63	DEPTH_BTTM	Depth Intrvl, Bttm of Core	Depth interval, bottom of Core or sample (cm)		Depth interval, bottom of Core or sample (cm).
64	DEPTH_ORIG	Orig. Depth In Sediment	Original Depth in sediment in original units if not centimeters		The reported value for the depth of the sample in the sediment when given in units other than centimeters; e.g. meters, feet, inches.
65	ORIG_UNITS	Original Depth Units	Original depth units		The original units of the depth of the sample in the sediment when not centimeters.
66	DPTH_CMNTS	Sediment Depth Comments	Sediment depth comments		Comments regarding the depth of the sample in the sediment, e.g. a range of depth given, corrections to previously reported values.
67	DPTH_CODE	Sediment depth code	Sediment depth code		Designation ofthe general depth in the sediment of the sample; surface or depth. use in data analysis. A "surface" sample is one in which at least 80% of the sample is taken between 0 - 6 cm.
68	COR_GRB_CD	Core or Grab code	Core or Grab code		Code designating the type of sample (core vs. grab). Data in this field is derived from other fields and primarily for use in data analysis. The definition of "core" is when multiple (>2) samples are taken at different depths within the same sample.
69	COMPS_SCHM	Compositing Scheme	Compositing Scheme		Describe how sample was combined if analysis was done on composite of samples taken from differing depths or cores.
70	GEN_CMMNTS	Gen. Comments Re Sample	General Comments Pertaining To Sample		Any additional information that may help in interpreting data, locating sample in a series, or characterizing sample.
71	DSCR_COLOR	Description/Color	Description / Color		Any text describing the sample's appearance. May also appear in the Lithology field of the Texture table.
72	EST_VL_MAT	Est. Vol. of Material	Estimated Volume of material to be disposed		Volume of material to be dredged and needing disposal when sample is from a dredge permit application.
73	DIS_AR_CDE	Disp. Area. Code	Disposal Area Code		Number or name code for the disposal site for dredged material.
74	PROP_DS_AR	Proposed Disposal Area	Proposed disposal area		Proposed site of disposal for dredged material, when sample is from a dredge permit application.
75	MTS_INGNCS	Metals & Othr Inorganics?	Metals and other inorganics analyzed?		Y/N answer to indicate whether data for metals and other inorganic parameters are present elsewhere in this database.
76	ORG_CNTAMS	Organic Contams Analyzed?	Organic contaminants analyzed ?		Y/N answer to indicate whether Organic Contaminants data are present elsewhere in this database.
77	GRAIN_SIZE	Grain Sizes Analyzed?	Grain sizes analyzed?		Y/N answer to indicate whether Grain Size or related physical properties are present elsewhere in this database.

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78	BIOASSAY	Bioassay Data Available?	Bioassay data available?		Y/N answer to indicate whether Bioassay data were collected in conjunction with collection of the sediment sample recorded in this database.
79	COM_BIOTA	Comments-Bioassay	Comments-Bioassay		Brief summary of the type of bioassay data available.
80	BIO_REF	Bio Reference	Bioassay reference		Reference or repository for bioassay data if different from sediment reference.
81	OTHR_N_REF	Othr Types Analy. In Ref	Other types of analysis in reference but not in this database?		Y/N answer whether any other types of analysis are documented in the reference but not recorded in this database.
82	CMNTS_OTHR	Comments- Other Analysis	Comments- other analysis		Brief summary of any other types of analysis documented in the reference but not recorded in this database.
83	DTA_ENT_DA	Data Entry Day	Data Entry Day		Day that data was entered into the database table.
84	DTA_ENT_MO	Data Entry Mo	Data Entry Month		Month that data was entered into the database table.
85	DTA_ENT_YR	Data Entry Year	Data Entry Year		Year that data was entered into the database table.
86	ENTRY_DATE	Entry Date, Formatted	Entry Date, Formatted		Date (formatted) that data was entered into the database table.
87	INIT_NTRER	Initials Of Data Enterer	Initials Of Data Enterer		Initials of the person who entered the data from the original reference or source into a database, see working dictionary for abbreviations.
TABLE OF INORGANICS DATA					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID (US#)	Cover-Id Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS, cannot be charged, is used to link data between tables.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy, or digital data.
88	LAB_INORG	Inorganics Testing Lab	Inorganics Testing Lab		Name or code for laboratory that performed the analysis for metals, see listing for abbreviations.
89	LAB_ID_NO	Laboratory's sample ID	Laboratory sample ID number		Laboratory's ID number indicating specific sample (for metals analysis).
90	LAB_JOB	Laboratory's JOB number	Laboratory's JOB number		Laboratory's ID number indicating Job No. or sample-tracking information (for metals analysis).
91	ANAL_TECH	Analyt techn	Analytical technique		Method used for analysis of each metal; e.g., AA (flame, furnace, etc.), ICP, ICP-MS, MS; include code to methods' reference when given.
92	COMMENT1	Comments1 (metals)	Analytical comments1 (metals)		Any further information about analysis for all or specific metals.
93	COMMENT2	Comments2 (other)	Analytical comments2 (other inorganics)		Questions needing further investigations and any information about analysis that did not fit into previous comment field for all or specific metals.
94	REPL_NO	Rep no _ of n (metals)	Replicate no ___ of n (metals)		Number in set of replicate analysis of one sample. Leave blank when no replicates.
95	TOT_REPL	Total # reps (metals)	Total replicates n (metals)		Total number of analysis in set of replicate analysis.
96	TEST_DATE	Testing Date	Testing Date		Date of metals analysis by testing laboratory in "mo/dy/yr".
97	TEST_MO	Test month	Test month		Month of metals analysis by testing laboratory.
98	TEST_DAY	Test day	Test day		Day of the month of metals analysis by testing laboratory.
99	TEST_YR	Test year	Test year		Year of metals analysis by testing laboratory.
100	AG_UG_G	Ag (silver) µg/g	Ag (silver) µg/g	7440224	Concentration of Silver (Ag) in the sample in units of micrograms per gram. Do not enter detection limit values here.
101	AG_Q	Ag q	Ag qualifier		Any qualifier data or comments about the Silver concentration; e.g. "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
102	AG_DL	Ag det lim	Ag detection limit		The lowest detectable concentration of Silver for this laboratory and this methodology.
103	AL_UG_G	Al (aluminum) µg/g	Al (aluminum) µg/g	7429905	Concentration of Aluminum (Al) in the sample in units of micrograms per gram (micrograms per gram). Do not enter detection limit values here.
104	AL_Q	Al q	Al qualifier		Any qualifier data or comments about the Aluminum concentration; e.g. "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
105	AL_DL	Al det lim	Al detection limit		The lowest detectable concentration of Aluminum for this laboratory and this methodology.
106	AL_OU	Al original units	Al original units		The units in which the original Aluminum concentration was recorded.
107	AL_VALUE	Al in orig units	Al value in original units, if not µg/g		Concentration of Aluminum in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
108	AS_UG_G	As (arsenic) µg/g	As (arsenic) µg/g	7440382	Concentration of Arsenic (As) in the sample in units of micrograms per gram. Do not enter detection limit values here.
109	AS_Q	As q	As qualifier		Any qualifier data or comments about the Arsenic concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
110	AS_DL	As det lim	As detection limit		The lowest detectable concentration of Arsenic for this laboratory and this methodology.
111	AU_UG_G	Au (gold) µg/g	Au (gold) µg/g	7440575	Concentration of Gold (Au) in the sample in units of micrograms per gram. Do not enter detection limit values here.
112	AU_Q	Au q	Au qualifier		Any qualifier data or comments about the Gold concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.

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113 AU_DL	Au det lim	Au detection limit			The lowest detectable concentration of Gold for this laboratory and this methodology.
114 B_UG_G	B (boron) µg/g	B (boron) µg/g	7440428		Concentration of Boron (B) in the sample in units of micrograms per gram. Do not enter detection limit values here.
115 B_Q	B q	B qualifier			Any qualifier data or comments about the Boron concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
116 B_DL	B det lim	B detection limit			The lowest detectable concentration of Boron for this laboratory and this methodology.
117 BA_UG_G	Ba (barium) µg/g	Ba (barium) µg/g	7440393		Concentration of Barium (Ba) in the sample in units of micrograms per gram. Do not enter detection limit values here.
118 BA_Q	Ba q	Ba qualifier			Any qualifier data or comments about the Barium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value in units if not micrograms per gram.
119 BA_DL	Ba det lim	Ba detection limit			The lowest detectable concentration of Barium for this laboratory and this methodology.
120 BA_OU	Ba original units	Ba original units			The units in which the original Barium concentration was recorded.
121 BA_VALUE	Ba value (original units)	Ba value in original units			Concentration of Barium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
122 BE_UG_G	Be (beryllium) µg/g	Be (beryllium) µg/g	7440417		Concentration of Beryllium (Be) in the sample in units of micrograms per gram. Do not enter detection limit values here.
123 BE_Q	Be q	Be qualifier			Any qualifier data or comments about the Beconcentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
124 BE_DL	Be det lim	Be detection limit			The lowest detectable concentration of Beryllium for this laboratory and this methodology.
125 CA_UG_G	Ca (calcium) µg/g	Ca (calcium) µg/g	7440702		Concentration of Calcium (Ca) in the sample in units of micrograms per gram. Do not enter detection limit values here.
126 CA_Q	Ca q	Ca qualifier			Any qualifier data or comments about the Calcium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
127 CA_DL	Ca det lim	Ca detection limit			The lowest detectable concentration of Calcium for this laboratory and this methodology.
128 CA_OU	Ca original units	Ca original units			The units in which the original Calcium concentration was recorded.
129 CA_VALUE	Ca val in orig units	Ca value in original units, if not µg/g			Concentration of Calcium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
130 CD_UG_G	Cd (cadmium) µg/g	Cd (cadmium) µg/g	7440439		Concentration of Cadmium (Cd) in the sample in units of micrograms per gram. Do not enter detection limit values here.
131 CD_Q	Cd q	Cd qualifier			Any qualifier data or comments about the Cadmium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
132 CD_DL	Cd det lim	Cd detection limit			The lowest detectable concentration of Cadmium for this laboratory and this methodology.
133 CL_UG_G	Cl (chloride) µg/g	Cl (chloride) µg/g	16887006		Concentration of Chloride (Cl) in the sample in units of micrograms per gram. Do not enter detection limit values here.
134 CL_Q	Cl q	Cl qualifier			Any qualifier data or comments about the Cl concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
135 CL_DL	Cl det lim	Cl detection limit			The lowest detectable concentration of Chloride for this laboratory and this methodology.
136 CL_OU	Cl original units	Cl original units			The units in which the original Chloride concentration was recorded.
137 CL_VALUE	Cl val in orig units	Cl value in original units, if not µg/g			Concentration of Chloride in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
138 CO_UG_G	Co (cobalt) µg/g	Co (cobalt) µg/g	7440484		Concentration of Cobalt (Co) in the sample in units of micrograms per gram. Do not enter detection limit values here.
139 CO_Q	Co q	Co qualifier			Any qualifier data or comments about the Cobalt concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
140 CO_DL	Co det lim	Co detection limit			The lowest detectable concentration of Cobalt for this laboratory and this methodology.
141 CR_UG_G	Cr (chromium) µg/g	Cr (chromium) µg/g	7440473		Concentration of Chromium (Cr) in the sample in units of micrograms per gram. Do not enter detection limit values here.
142 CR_Q	Cr q	Cr qualifier			Any qualifier data or comments about the Cr concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc. Original value and units if not micrograms per gram.
143 CR_DL	Cr det lim	Cr detection limit			The lowest detectable concentration of Chromium for this laboratory and this methodology.
144 CU_UG_G	Cu (copper) µg/g	Cu (copper) µg/g	7440508		Concentration of Copper (Cu) in the sample in units of micrograms per gram. Do not enter detection limit values here.

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145 CU_Q	Cu q	Cu qualifier		Any qualifier information or comments about the Copper concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
146 CU_DL	Cu det lim	Cu detection limit		The lowest detectable concentration of Copper for this laboratory and this methodology.
147 FE_UG_G	Fe (iron) µg/g	Fe (iron) µg/g	7439896	Concentration of Iron (Fe) in the sample in units of micrograms per gram. Do not enter detection limit values here.
148 FE_Q	Fe q	Fe qualifier		Any qualifier information or comments about the Iron concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
149 FE_DL	Fe det lim	Fe detection limit		The lowest detectable concentration of Iron for this laboratory and this methodology.
150 FE_OU	Fe original units	Fe original units		The units in which the original Iron concentration was recorded.
151 FE_VALUE	Fe val (orig units)	Fe value in original units, if not µg/g		Concentration of Iron in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
152 HG_UG_G	Hg (mercury) µg/g	Hg (mercury) µg/g	7439976	Concentration of Mercury (Hg) in the sample in units of micrograms per gram. Do not enter detection limit values here.
153 HG_Q	Hg q	Hg qualifier		Any qualifier information or comments about the Mercury concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
154 HG_DL	Hg det lim	Hg detection limit		Any qualifier information or comments about the Mercury concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
155 HG_OU	Hg original units	Hg original units		The units in which the original Mercury concentration was recorded.
156 HG_VALUE	Hg val (orig units)	Hg value in original units, if not µg/g		Concentration of Mercury in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
157 K_UG_G	K (potassium) µg/g	K (potassium) µg/g	7440097	Concentration of Potassium (K) in the sample in units of micrograms per gram. Do not enter detection limit values here.
158 K_Q	K q	K qualifier		Any qualifier information or comments about the Potassium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
159 K_DL	K det lim	K detection limit		The lowest detectable concentration of Potassium for this laboratory and this methodology.
160 K_OU	K original units	K original units		The units in which the original Potassium concentration was recorded.
161 K_VALUE	K val (orig units)	K value in original units, if not µg/g		Concentration of Potassium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
162 LI_UG_G	LI (lithium) µg/g	LI (lithium) µg/g	7439932	Concentration of lithium (Li) in the sample in units of micrograms per gram. Do not enter detection limit values here.
163 LI_Q	Li q	Li qualifier		Any qualifier information or comments about the Lithium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
164 LI_DL	Li det lim	Li detection limit		The lowest detectable concentration of Lithium for this laboratory and this methodology.
165 MG_UG_G	Mg (magnesium) µg/g	Mg (magnesium) µg/g	7439954	Concentration of Magnesium (Mg) in the sample in units of micrograms per gram. Do not enter detection limit values here.
166 MG_Q	Mg q	Mg qualifier		Any qualifier information or comments about the Magnesium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
167 MG_DL	Mg det lim	Mg detection limit		The lowest detectable concentration of Magnesium for this laboratory and this methodology.
168 MG_OU	Mg original units	Mg original units		The units in which the original Magnesium concentration was recorded.
169 MG_VALUE	Mg val in orig units	Mg value in original units, if not µg/g		Concentration of Magnesium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
170 MN_UG_G	Mn (manganese) µg/g	Mn (manganese) µg/g	7439965	Concentration of Manganese (Mn) in the sample in units of micrograms per gram. Do not enter detection limit values here.
171 MN_Q	Mn q	Mn qualifier		Any qualifier information or comments about the Manganese concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
172 MN_DL	Mn det lim	Mn detection limit		The lowest detectable concentration of Manganese for this laboratory and this methodology.
173 MN_OU	Mn original units	Mn original units		The units in which the original Manganese concentration was recorded.
174 MN_VALUE	Mn val in orig units	Mn value in original units, if not µg/g		Concentration of Manganese in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
175 MO_UG_G	Mo (molybdenum) µg/g	Mo (molybdenum) µg/g	7439987	Concentration of Molybdenum (Mo) in the sample in units of micrograms per gram. Do not enter detection limit values here.
176 MO_Q	Mo q	Mo qualifier		Any qualifier information or comments about the Molybdenum concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
177 MO_DL	Mo det lim	Mo detection limit		The lowest detectable concentration of Molybdenum for this laboratory and this methodology.

USGS ROW #	Short_Field_Name_10_ch aracters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
178	NA_UG_G	Na (sodium) µg/g	Na (sodium) µg/g	7440235	Concentration of Sodium (Na) in the sample in units of micrograms per gram. Do not enter detection limit values here.
179	NA_Q	Na q	Na qualifier		Any qualifier information or comments about the Sodium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
180	NA_DL	Na det lim	Na detection limit		The lowest detectable concentration of Sodium for this laboratory and this methodology.
181	NA_OU	Na original units	Na original units		The units in which the original Sodium concentration was recorded.
182	NA_VALUE	Na val in orig units	Na value in original units, if not µg/g		Concentration of Sodium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
183	NI_UG_G	Ni (nickel) µg/g	Ni (nickel) µg/g	7440020	Concentration of Nickel (Ni) in the sample in units of micrograms per gram. Do not enter detection limit values here.
184	NI_Q	Ni q	Ni qualifier		Any qualifier information or comments about the Nickel concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
185	NI_DL	Ni det lim	Ni detection limit		The lowest detectable concentration of Nickel for this laboratory and this methodology.
186	P_UG_G	P (phosphorus) µg/g	P (phosphorus) µg/g	7723140	Concentration of phosphorus (P) in the sample in units of micrograms per gram. Do not enter detection limit values here.
187	P_Q	P q	P qualifier		Any qualifier information or comments about the Phosphorus concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
188	P_DL	P det lim	P detection limit		The lowest detectable concentration of Phosphorus for this laboratory and this methodology.
189	P_OU	P original units	P original units		The units in which the original Phosphorus concentration was recorded.
190	P_VALUE	P val in orig units	P value in original units, if not µg/g		Concentration of Phosphorus in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
191	PB_UG_G	Pb (lead) µg/g	Pb (lead) µg/g	7439921	Concentration of Lead (Pb) in the sample in units of micrograms per gram. Do not enter detection limit values here.
192	PB_Q	Pb q	Pb qualifier		Any qualifier information or comments about the Lead concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
193	PB_DL	Pb det lim	Pb detection limit		The lowest detectable concentration of Lead for this laboratory and this methodology.
194	RA_UG_G	Ra (radium) µg/g	Ra (radium) µg/g		Concentration of Radium (Ra) in the sample in units of micrograms per gram. Do not enter detection limit values here.
195	RA_Q	Ra q	Ra qualifier		Any qualifier information or comments about the Radium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
196	RA_DL	Ra det lim	Ra detection limit		The lowest detectable concentration of Radium for this laboratory and this methodology.
197	SB_UG_G	Sb (antimony) µg/g	Sb (antimony) µg/g	7440360	Concentration of Antimony (Sb) in the sample in units of micrograms per gram. Do not enter detection limit values here.
198	SB_Q	Sb q	Sb qualifier		Any qualifier information or comments about the Antimony concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
199	SB_DL	Sb det lim	Sb detection limit		The lowest detectable concentration of Antimony for this laboratory and this methodology.
200	SE_UG_G	Se (selenium) µg/g	Se (selenium) µg/g	7782492	Concentration of Selenium (Se) in the sample in units of micrograms per gram. Do not enter detection limit values here.
201	SE_Q	Se q	Se qualifier		Any qualifier information or comments about the Selenium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
202	SE_DL	Se det lim	Se detection limit		The lowest detectable concentration of Selenium for this laboratory and this methodology.
203	SI_UG_G	Si (silicon) µg/g	Si (silicon) µg/g	7440213	Concentration of Silicon (Si) in the sample in units of micrograms per gram. Do not enter detection limit values here.
204	SI_Q	Si q	Si qualifier		Any qualifier information or comments about the Silicon concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
205	SI_DL	Si det lim	Si detection limit		The lowest detectable concentration of Silicon for this laboratory and this methodology.
206	SI_OU	Si original units	Si original units		The units in which the original Silicon concentration was recorded.
207	SI_VALUE	Si value in orig units	Si value in original units, if not µg/g		Concentration of Silicon in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
208	SN_UG_G	Sn (tin) µg/g	Sn (tin) µg/g	7440315	Concentration of Tin (Sn) in the sample in units of micrograms per gram. Do not enter detection limit values here.
209	SN_Q	Sn q	Sn qualifier		Any qualifier information or comments about the Tin concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
210	SN_DL	Sn det lim	Sn detection limit		The lowest detectable concentration of Tin for this laboratory and this methodology.

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211	TI_UG_G	Ti (titanium) µg/g	Ti (titanium) µg/g	7440326	Concentration of Titanium (Ti) in the sample in units of micrograms per gram. Do not enter detection limit values here.
212	TI_Q	Ti q	Ti qualifier		Any qualifier information or comments about the Titanium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
213	TI_DL	Ti det lim	Ti detection limit		The lowest detectable concentration of Titanium for this laboratory and this methodology.
214	TI_OU	Ti original units	Ti original units		The units in which the original Titanium concentration was recorded.
215	TI_VALUE	Ti val in orig units	Ti value in original units, if not µg/g		Concentration of Titanium in the sample in units other than micrograms per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
216	TL_UG_G	Tl (Thallium) µg/g	Tl (Thallium) µg/g	7440280	Concentration of Thallium (Tl) in the sample in units of micrograms per gram. Do not enter detection limit values here.
217	TL_Q	Tl q	Tl qualifier		Any qualifier information or comments about the Thallium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
218	TL_DL	Tl det lim	Tl detection limit		The lowest detectable concentration of Thallium for this laboratory and this methodology.
219	TH_UG_G	Th (thorium) µg/g	Th (thorium) µg/g	7440291	Concentration of Thorium (Th) in the sample in units of micrograms per gram. Do not enter detection limit values here.
220	TH_Q	Th q	Th qualifier		Any qualifier information or comments about the Thorium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
221	TH_DL	Th det lim	Th detection limit		The lowest detectable concentration of Thorium for this laboratory and this methodology.
222	U_UG_G	U (uranium) µg/g	U (uranium) µg/g	7440611	Concentration of Uranium (U) in the sample in units of micrograms per gram. Do not enter detection limit values here.
223	U_Q	U q	U qualifier		Any qualifier information or comments about the Uranium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
224	U_DL	U det lim	U detection limit		The lowest detectable concentration of Uranium for this laboratory and this methodology.
225	V_UG_G	V (vanadium) µg/g	V (vanadium) µg/g	7440622	Concentration of Vanadium (V) in the sample in units of micrograms per gram. Do not enter detection limit values here.
226	V_Q	V q	V qualifier		Any qualifier information or comments about the Vanadium concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
227	V_DL	V det lim	V detection limit		The lowest detectable concentration of Vanadium for this laboratory and this methodology.
228	ZN_UG_G	Zn (zinc) µg/g	Zn (zinc) µg/g	7440666	Concentration of Zinc (Zn) in the sample in units of micrograms per gram. Do not enter detection limit values here.
229	ZN_Q	Zn q	Zn qualifier		Any qualifier information or comments about the Zinc concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
230	ZN_DL	Zn det lim	Zn detection limit		The lowest detectable concentration of Zinc for this laboratory and this methodology.
231	C_INOR_PCT	Cinorg % dry wt	Inorganic Carbon (%Cinorg)	7440440	Concentration of inorganic carbon (Cinorg) in the sample in units of percent Cinorg. Cinorg = Carbon as CaCO3 or Carbon as CO3. Do not enter detection limit values here.
232	C_INOR_Q	Cinorg q	Inorganic Carbon qualifier		Any qualifier information or comments about the inorganic carbon concentrations; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
233	C_INOR_DL	Cinorg dl	Inorganic Carbon detection limit		The lowest detectable concentration of inorganic carbon for this laboratory and this methodology.
234	C_INOR_OU	Cinorg orig. units	Inorganic Carbon original units		The units in which the original inorganic carbon concentration was recorded.
235	C_INOR_VAL	Cinorg val in orig. units	Inorganic Carbon value in original units, if not %C/g dry sed.		Concentration of inorganic carbon in the sample in units other than percent Carbon per gram dry sed. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
236	C_ORG_PCT	Corg % dry wt	Organic Carbon (%Corg)	7440440	Concentration of organic carbon (Corg) in the sample in units of percent Corg. Do not enter detection limit values here.
237	C_ORG_Q	Corg q	Organic Carbon qualifier		Any qualifier information or comments about the organic carbon concentrations; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
238	C_ORG_DL	Corg dl	Organic Carbon detection limit		The lowest detectable concentration of organic carbon for this laboratory and this methodology.
239	C_ORG_OU	Corg orig units	Organic Carbon original units		The units in which the original organic carbon concentration was recorded.
240	C_ORG_VAL	Corg val in orig units	Organic Carbon value in original units, if not %C/g dry sediment		Concentration of organic carbon in the sample in units other than percent Carbon per gram dry sed. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
241	C_TOT_PCT	Ctot % dry wt	Total Carbon (%Ctot)	7440440	Concentration of total carbon (Ctot) in the sample in units of percent Ctot. Do not enter detection limit values here. Total Carbon = Inorganic Carbon + Organic Carbon unless Total Carbon was measured instead of calculated.

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242	C_TOT_Q	Ctot q	Total Carbon qualifier		Any qualifier information or comments about the total carbon concentrations; e.g., "less than" (< or lt); analytical methodology or comments not given above; corrections made during VALIDS; indications of poor quality data; etc.
243	C_TOT_DL	Ctot dl	Total Carbon detection limit		The lowest detectable concentration of total carbon for this laboratory and this methodology.
244	C_TOT_OU	Ctot orig units	Total Carbon original units		The units in which the original total carbon concentration was recorded.
245	C_TOT_VAL	Ctot val in original units	Total Carbon value in original units, if not %C/g dry sed.		Concentration of total carbon in the sample in units other than percent Carbon per gram dry sediment. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
246	VOLAT_PCT	Volatilization (%)	Volatilization (% wt. loss)		A procedure of burning the sample in a furnace used to ID organic carbon at 550 C, and carbonate (inorganic carbon) at 1000 C. Also known as Loss on Ignition.
247	VOLAT_Q	Volatilization q	Volatilization qualifier		Any qualifier information or comments about the volatilization concentrations; e.g., "less than" (< or lt); analytical methodology or comments not given above; corrections made during VALIDS; indications of poor quality data; etc.
248	HYDROG_PCT	Hydrogen %	Hydrogen %	1333740	Hydrogen present in the sample in units of percent dry weight. Record analytical method above.
249	NITROG_PCT	Nitrogen %	Nitrogen %	17778880	Nitrogen present in the sample in units of percent dry weight. Record analytical method above.
250	N_Q	N q	Nitrogen qualifier		Any qualifier information or comments about the N concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
251	N_OU	Nitrogen orig units	Nitrogen original units (if not in %N)		The units in which the original nitrogen concentration was recorded.
252	N_VALUE	Nitrogen orig value	Nitrogen original value (if not in %totalN)		Concentration of nitrogen in the sample in units other than percent. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
253	NH3_MOL_KG	Ammonia (NH3) moles/kg	Ammonia (NH3) moles/kg	177778880	Concentration of Ammonia (NH3) in the sample in units of micrograms per gram. Do not enter detection limit values here.
254	NH3_Q	NH3 q	NH3 qualifier		Any qualifier data or comments about the NH3 concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
255	NO3_MOL_KG	Nitrate (NO3) moles/kg	Nitrate (NO3) moles/kg	14797558	Concentration of Nitrate (NO3) in the sample in units of micrograms per gram. Do not enter detection limit values here.
256	NO3_Q	NO3 q	NO3 qualifier		Any qualifier data or comments about the Nitrate concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
257	NO2_MOL_KG	Nitrite (NO2) moles/kg	Nitrite (NO2) moles/kg	14797650	Concentration of Nitrite (NO2) in the sample in units of micrograms per gram. Do not enter detection limit values here.
258	NO2_Q	NO2 q	NO2 qualifier		Any qualifier data or comments about the Nitrite concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
259	O2_MOL_KG	Oxygen (O2) moles/kg	Oxygen (O2) moles/kg	7782447	Concentration of Oxygen (O2) in the WET SEDIMENT sample in units of micrograms per gram. Do not enter elutriate or detection limit values here.
260	O2_Q	O2 q	O2 qualifier		Any qualifier information or comments about the Oxygen; e.g., "less than"; profiles available?; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
261	SO2_MOL_KG	Sulfide (SO2) moles/kg	Sulfide (SO2) moles/kg	18496258	Concentration of Sulfide (SO2) in the WET SEDIMENT sample in units of micrograms per gram. Do not enter elutriate or detection limit values here.
262	SO2_Q	SO2 q	SO2 qualifier		Any qualifier data or comments about the Sulfide concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
263	SO3_MOL_KG	Sulfite (SO3) moles/kg	Sulfite (SO3) moles/kg	14265453	Concentration of Sulfite (SO3) in the WET SEDIMENT sample in units of micrograms per gram. Do not enter elutriate or detection limit values here.
264	SO3_Q	SO3 q	SO3 qualifier		Any qualifier data or comments about the Sulfite concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
265	SO4_MOL_KG	Sulfate (SO4) moles/kg	Sulfate (SO4) moles/kg	14808798	Concentration of Sulfate (SO4) in the WET SEDIMENT sample in units of micrograms per gram. Do not enter elutriate or detection limit values here.
266	SO4_Q	SO4 q	SO4 qualifier		Any qualifier data or comments about the Sulfate concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
267	AVS_MOL_G	Acid Volatile Sulfides (AVS) moles/g	Acid Volatile Sulfides (AVS) moles/g	18496258	Concentration of sulfur (as SO2) present that is acid volatile (AVS) in the sample in units of moles per gram. Do not enter detection limit values here.
268	AVS_Q	AVS q	AVS qualifier		Any qualifier data or comments about the AVS concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; original value and units if not micrograms per gram; etc.
269	COD_UG_G	Chem O Demand (COD) µg/g	Chem Oxygen Demand (COD) µg/g	7782447	Chemical Oxygen Demand (COD) of the sediments in units of micrograms per gram

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
270	COD_Q	COD q	COD qualifier		Any qualifier information or comments about the COD; e.g., "less than" (< or lt); analytical methodology, analytical comments; corrections made during VALIDS; indications of poor quality data; etc.
271	CEC_MOL_KG	Cation Exchange Cap (CEC) moles/kg	Cation Exchange Capacity (CEC) moles/kg		Cation Exchange Capacity (CEC) of the sediments in units of mole-equivalent sites per kilogram.
272	CEC_Q	CEC q	CEC qualifier		Any qualifier information or comments about the CEC; e.g., analytical methodology, analytical comments; corrections made during VALIDS; indications of poor quality data; etc.
273	SURF_M2_G	Surface area m2/g	Surface area m2/g		Measured surface area of dry sediment in units of square meters per gram-dry-sediment.
274	SURF_AR_Q	Surface area q	Surface area qualifier		Any qualifier information or comments about surface area, especially if in different units; state method (e.g., BET, 3H, Ar).
275	TOTSAMP_G	Total sample weight g	Total sample weight g		Weight of wet sample in grams.
276	TOTSAMP_Q	Total sample weight q	Total sample weight qualifier		Any qualifier information or comments about total sample weight, especially if in different units or underived data.
277	TSOL_WTPCT	Total Solids weight%	Total Solids weight%		Percent of total wet sample weight that is solids, i.e., (dry wt/wet wt)*100.
278	TOTSOL_Q	Total Solids q	Total Solids qualifier		Any qualifier information or comments about total solids, especially if in different units or underived data such as "dry weight" or "dry volume".
279	WATER_WPCT	Water weight%	Water weight%		Percent of total wet sample weight that is water, i.e., (total wt-dry wt/wet wt)*100. If porosity (volume fraction) values are given, note units in grams.
280	POROS_VPCT	Porosity, vol %	Porosity, volume %		Porosity measured in volume percent.
281	WATER_Q	Water q	Water qualifier		Any qualifier information or comments about water or porosity change.
282	R_MOHMS	Resistivity mohms	Resistivity mohms		The resistivity of the (wet) sediment sample in units of milliohms.
283	SP_C_MOHMS	Specific Conductance mohms	Specific Conductance mohms		The electrical conductance of the (wet) sediment sample in units of milliohms.
284	SPC_OR_R_Q	Specific Conduct or Res q	Specific Conductance or Resistivity qualifier		Any qualifier information or comments about the resistivity or conductance of the sample; e.g., profiles available?; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
285	SALIN_PPT	Salinity ppt	Salinity parts per thousand		The salinity of the porewater or water overlying the sediment sample in units of parts per thousand.
286	SALIN_Q	Salinity q	Salinity qualifier		Any qualifier information or comments about the salinity; e.g., profiles available?; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
287	ALK_MEQ_KG	Alkalinity meq/kg	Alkalinity milliequivalents/kg	471341	The alkalinity of the sediment and porewater sample in milliequivalents per kilogram.
288	ALK_Q	Alkalinity q	Alkalinity qualifier		Any qualifier information or comments about the alkalinity; e.g., profiles available?; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
289	PH	pH	pH		The pH of the wet sediments in pH units.
290	TEMP_C	Temperature _C	Temperature _C		The temperature of the sediment and porewater in degrees Celsius.
291	TEMP_Q	Temperature q	Temperature qualifier		Any qualifier information or comments about the temperature; e.g., profiles available?; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
292	TOTR_MR_HR	Total Radioactivity mR/hr	Total Radioactivity mR/hr		The total alpha, beta, and gamma radioactivity of the sample in units of millirems per hour.
293	ALPHA_PC_G	Gross alpha radioactivity pCi/g	Gross alpha radioactivity pCi/g		Total measured alpha radioactivity in units of picoCuries per gram dry sediment.
294	BETA_PC_G	Gross beta radioactivity pCi/g	Gross beta radioactivity pCi/g		Total measured beta radioactivity in units of picoCuries per gram dry sediment.
295	BULK_RAD_Q	Bulk Radioactivity q	Bulk Radioactivity qualifier		Qualifier on Total, Alpha, and Beta radioactivity.
296	PB210_D_G	Pb210 dpm/g	Pb210 dpm/g	14255040	Concentration of Lead 210 (210Pb) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
297	PB210_Q	Pb210 q	Pb210 qualifier		Any qualifier information or comments about the 210Pb; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
298	TH228_D_G	Th228 dpm/g	Th228 dpm/g	7440291	Concentration of Thorium228 (228Th) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
299	TH228_Q	Th228 q	Th228 qualifier		Any qualifier information or comments about the Th228; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
300	TH234_D_G	Th234 dpm/g	Th234 dpm/g	7440291	Concentration of Thorium234 (234Th) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
301	TH234_Q	Th234 q	Th234 qualifier		Any qualifier information or comments about the Th234; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
302	RA226_D_G	Ra226 dpm/g	Ra226 dpm/g	13982633	Concentration of Radium226 (226Ra) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.

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303	RA226_Q	Ra226 q	Ra226 qualifier		Any qualifier information or comments about the Ra226; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
304	TH230_D_G	Th230 dpm/g	Th230 dpm/g	14269637	Concentration of Thorium230 (230Th) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
305	TH230_Q	Th230 q	Th230 qualifier		Any qualifier information or comments about the Th230; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
306	CS137_D_G	Cs137 dpm/g	Cs137 dpm/g	10045973	Concentration of Cesium137 (137Cs) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
307	CS137_Q	Cs137 q	Cs137 qualifier		Any qualifier information or comments about the Cs137; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different (e.g., pCi/kg); etc.
308	PU239_D_G	Pu239,240 dpm/g	Pu239,240 dpm/g	12587461	Concentration of Plutonium239,240 (239,240Pu) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
309	PU239_Q	Pu239,240 q	Pu239,240 qualifier		Any qualifier information or comments about the Pu239,240; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different (e.g. pCi/kg); etc.
310	SR90_D_G	Sr90 dpm/g	Sr90 dpm/g	12587472	Concentration of Strontium90 (90Sr) in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
311	SR90_Q	Sr90 q	Sr90 qualifier		Any qualifier information or comments about the Sr90; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
312	C14_DEL	Carbon 14 %-Delta-14C	Carbon 14 %-Delta-14C	14762755	Concentration of Carbon14 (14C) in the sediments in units of percent delta carbon 14.
313	C14_Q	Carbon 14 q	Carbon 14 qualifier		Any qualifier information or comments about the Carbon 14; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
314	C13_DEL	Carbon 13 %-delta-13C	Carbon 13 %-delta-13C		Concentration of Carbon 13 (13C) in the sediments in units of percent delta carbon 13.
315	C13_Q	Carbon 13 q	Carbon 13 qualifier		Any qualifier information or comments about the Carbon 13; e.g., methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; etc.
316	O_RAD_D_G	Other radioactivity dpm/g	Other radioactivity dpm/g		Concentration of any more radioisotopes in the sample in units of disintegrations/minute per gram. Enter values given in reference; DO NOT CONVERT TO OTHER UNITS PRIOR TO DATA ENTRY.
317	O_RAD_D_G	Other Radioactivity q	Other Radioactivity qualifier		Any general qualifier information or comments about any radioisotope values; e.g.; methodology; corrections made during VALIDS; indications of poor quality data; original value and units if different; any related data, etc.
TABLE OF GENERAL ORGANIC DATA					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample Identifier (US#)	Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
318	ORGTST_LAB	Organics testing Lab #1	Organics testing Lab #1		Name or code for laboratory that performed the analysis for general organic contaminants.
319	ORGLB_ID	Lab internal samp. ID	Laboratory's sample internal ID number		Laboratory's ID number indicating specific sample (organic contaminants).
320	ORGLB_JOB	Lab internal job no (org)	Laboratory's ID job number (organic contaminants)		Laboratory's ID number indicating Job No. or sample-tracking information (organic contaminants).
321	AN_TECH_OR	Analytical technique (organic contaminants)	Analytical technique (organic contaminants)		Method used for analysis of each organic contaminant; e.g., GC, GC-MS, column no.; include code to methods' reference when given.
322	AN_COM_ORG	Anal comments (organics)	Analytical comments (organic contaminants)		Any further information about analysis for all or specific organic contaminants.
323	REPNO_ORG	Rep no __ of n (organics)	Replicate no ___ of n (organic contaminants)		Number in set of replicate analysis. Leave blank when no replicates.
324	TOTREP_ORG	Total reps (n) (Organics)	Total replicates n (organic contaminants)		Total number of analysis in set of replicate analysis.
325	TESTDT_ORG	Test Date (Organics)	Testing Date (Organic Contaminants)		Date of Organic Contaminants analysis by testing lab in "mo/dy/yr".
326	TESTDAY_OR	Test day (Organic Contaminants)	Test day (Organic Contaminants)		Day of the Organic Contaminants of metals analysis by testing laboratory.
327	TESTMO_OR	Test month (Organic Contaminants)	Test month (Organic Contaminants)		Month of Organic Contaminants analysis by testing laboratory.
328	TESTYR_OR	Test year (Organics)	Test year (Organic Contaminants)		Year of Organic Contaminants analysis by testing laboratory.
329	TVS_EP_PCT	Total Vol Solids (TVS)-EPA %	Total Volatile Solids (TVS)-EPA %		Concentration of total volatile solids determined with the EPA method in units of weight percent.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
330	TVS_EPA_Q	TVS-EPA q	TVS-EPA qualifier		Any qualifier information or comments about the TVS-EPA concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
331	TVS_ND_PCT	Total Volatile Solids (TVS)-NED %	Total Volatile Solids (TVS)-NED %		Concentration of volatile solids determined with the Corps of Engineers New England Division (NED) method in units of weight percent.
332	VS_NED_PCT	Volatile Solids (VS)-NED %	Volatile Solids (VS)-NED %		Concentration of volatile solids determined with the NED method in units of weight percent.
333	VS_NED_Q	VS-NED q	VS-NED qualifier		Any qualifier information or comments about the VS-NED concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
334	O_G_PCT	Oil and Grease (O and G) %	Oil and Grease (O and G) %		Concentration of Oil and Grease in sediments in percent.
335	O_G_UGG	Oil And Grease (O and G) µg/g	Oil And Grease (O and G) µg/g		Concentration of Oil and Grease in sediments in units of micrograms per gram.
336	O_AND_G_Q	Oil and Grease (O and G) q	Oil and Grease (O and G) qualifier		Any qualifier information or comments about the O and G concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; etc.
337	O_AND_G_DL	Oil and Grease (O and G) det lim	Oil and Grease (O and G) detection limit		Any qualifier information or comments about the O and G concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units.
338	PHCTOT_PCT	Total PHC % DW	Petroleum Hydrocarbons-total (Total PHC) %DW		Concentration of measured Total Petroleum Hydrocarbons (PHC) in units of percent dry weight. Do not derive by summation.
339	PHCTOT_UGG	Total PHC µg/g	Petroleum Hydrocarbons-total (Total PHC) µg/g		Concentration of measured Total Petroleum Hydrocarbons (PHC) in units of micrograms per gram. Do not derive by summation.
340	PHC_Q	PHC q	PHC qualifier		Any qualifier information or comments about the PHC concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
341	PHC_DL	PHC det lim	PHC detection limit		The lowest detectable concentration of PHC for this laboratory and this methodology.
342	PCB_T_UGG	PCB total µg/g	PCB's (Total Polychlorinated biphenyls) µg/g	1336363	Concentration of measured total of polychlorinated biphenyls (PCB) in units of micrograms per gram.
343	PCB_TOT_Q	PCB total q	PCB's qualifier		Any qualifier information or comments about the PCB concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
344	PCB_TOT_DL	PCB total det lim	PCB's detection limit		The lowest detectable concentration of PCB for this laboratory and this methodology.
345	DDT_T_NGG	DDT total ng/g	DDT total ng/g		Concentration of measured total of DDT compounds in units of nanograms per gram.
346	DDT_TOT_Q	DDT total q	DDT total qualifier		Any qualifier information or comments about the DDT concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
347	DDT_TOT_DL	DDT total det lim	DDT total det lim		The lowest detectable concentration of DDT for this laboratory and this methodology.
348	DDE_T_NGG	DDE total ng/g	DDE total ng/g		Concentration of measured total of DDE compounds in units of nanograms per gram.
349	DDE_TOT_Q	DDE total q	DDE total q		Any qualifier information or comments about the DDE concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
350	DDE_TOT_DL	DDE total det lim	DDE total det. lim.		The lowest detectable concentration of DDE for this laboratory and this methodology.
351	DDD_T_NGG	DDD total ng/g	DDD total ng/g		Concentration of measured total of DDD compounds in units of nanograms per gram.
352	DDD_TOT_Q	DDD total q	DDD total q		Any qualifier information or comments about the DDD concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.
353	DDD_TOT_DL	DDD total det lim	DDD total det. lim.		The lowest detectable concentration of DDD for this laboratory and this methodology.
354	PEST_UG_G	Pesticides Total µg/g	Pesticides Total µg/g		Concentration of measured total of pesticide compounds in units of micrograms per gram.
355	PEST_TOT_Q	Pesticides Total q	Pesticides Total qualifier		Any qualifier information or comments about the pesticides concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units.
356	PEST_T_DL	Pesticides Total dl	Pesticides Total dl		The lowest detectable concentration of pesticides for this laboratory and this methodology.
357	PAHTOT_PCT	Arom hyd (tot PAH) % DW	Aromatic Hydrocarbons (Total Parent PAH) %DW		Concentration of measured Polyaromatic Hydrocarbons (PAH) in units of percent dry weight. Do not derive by summation.
358	PAHTOT_UGG	Total PAH µ/g	Total PAH µ/g		Concentration of measured total of Polyaromatic Hydrocarbons (PAH) in units of micrograms per gram.
359	PAH_Q	PAH q	PAH qualifier		Any qualifier information or comments about the PAH concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration given in other units etc.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
360	PAH_DL	PAH dl	PAH detection limit		The lowest detectable concentration of PAHs for this laboratory and this methodology.
361	LIPIDS_NGG	Lipids ng/g	Lipids ng/g		Concentration of total lipids in units of nanograms per gram or micrograms per kilogram.
362	OTHERS	Others	Others		Any other organic parameters that were measured and should be included in database; add additional fields here.
363	CLOST_SP_G	Clostr perf spores/g	Clostridium perfringens (spores/g)		The concentration of Clostridium perfringens in units of spores per gram dry sediment.
364	CLOSTR_Q	Clostridium perfringens q	Clostridium perfringens qualifier		Any qualifier information or comments about the Clostridium perfringens concentration; e.g., "less than" (< or lt); analytical trouble with this sample; corrections made during VALIDS; indications of poor quality data; concentration in other units.
365	CLOSTR_DL	Clostridium perfringens dl	Clostridium perfringens detection limit		The lowest detectable concentration of clostridium perfringens for this laboratory and this methodology.
366	MBT_C	monobutyl tin ng/g	monobutyl tin ng/g	78763549	Anti - fouling metal organic, in units of nanograms per gram.
367	MBT_Q	monobutyl tin q	monobutyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
368	MBT_D	monobutyl tin det lim	monobutyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
369	DBT_C	Dibutyl tin ng/g	Dibutyl tin ng/g	1002535	Anti - fouling metal organic compound, in units of nanograms per gram.
370	DBT_Q	Dibutyl tin q	Dibutyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
371	DBT_D	Dibutyl tin det lim	Dibutyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
372	TBT_C	Tributyl tin ng/g	Tributyl tin ng/g	56573854	Anti - fouling metal organic compound, in units of nanograms per gram.
373	TBT_Q	Tributyl tin q	Tributyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
374	TBT_D	Tributyl tin det lim	Tributyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
375	TTBT_C	Tetrabutyl tin ng/g	Tetrabutyl tin ng/g	1461252	Anti - fouling metal organic compound, in units of nanograms per gram.
376	TTBT_Q	Tetrabutyl tin q	Tetrabutyl tin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
377	TTBT_D	Tetrabutyl tin det lim	Tetrabutyl tin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
TABLE OF PCBS AND PESTICIDES					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample Identifier (US#)	Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
378	ORGLAB_2	Organics testing Lab #2	Organics testing Lab #2		Name or code for laboratory that performed the analysis for specific organic contaminants.
379	LAB_ID_ORG	Lab ID (specific organics)	Laboratory's internal ID number (specific organics)		Laboratory's ID number indicating specific sample (organic contaminants).
380	LABJOB_ORG	Lab job ID (specific organics)	Laboratory's sample ID number (specific organics)		Laboratory's ID number indicating Job Number or sample-tracking information (organic contaminants).
381	ANALT_ORG	Anal techn (specific organics)	Analytical technique (specific organics)		Method used for analysis of each organic contaminant; e.g., GC, GC-MS, column no.; include code to methods' reference when given.
382	ANCOM_ORG	Anal comments (specific organics)	Analytical comments (specific organics)		Any further information about analysis for all or specific organic contaminants.
383	REPNO_ORG	Repno __ of n (specific organics)	Replicate no ___ of n (specific organics)		Number in set of replicate analysis. Leave blank when no replicates.
384	TOTREPS_OR	Total replicates n (specific organics)	Total replicates n (specific organics)		Total number of analysis in set of replicate analysis.
385	TESTDAT_OR	Testing Date (specific organics)	Testing Date (specific organics)		Date of Organic Contaminants analysis by testing lab in "mo/dy/yr".
386	TEST_DAY_O	Test day (specific organics)	Test day (specific organics)		Day of the Organic Contaminants of metals analysis by testing laboratory.
387	TESTMO_OR	Test month (specific organics)	Test month (specific organics)		Month of Organic Contaminants analysis by testing laboratory.
388	TESTYR_OR	Test year (specific organics)	Test year (specific organics)		Year of Organic Contaminants analysis by testing laboratory.
389	PCB_8_NGG	PCB 8 ng/g	PCB 8 ng/g	34883437	PCB congener # 8 of 209 possible in units of nanograms per gram (2,4'-DICHLOROBIPHENYL).
390	PCB_8_Q	PCB 8 ng/g q	PCB 8 ng/g qualifier		Qualifier concerning PCB congener #8.
390.1	PCB_8_DL	PCB 8 ng/g det lim	PCB 8 ng/g detection limit		The lowest detectable concentration of PCB 8 for this laboratory and this methodology.
391	PCB_18_NGG	PCB 18 ng/g	PCB 18 ng/g	37680652	PCB congener # 18 of 209 possible in units of nanograms per gram (2,2',5-TRICHLOROBIPHENYL).
392	PCB_18_Q	PCB 18 ng/g q	PCB 18 ng/g qualifier		Qualifier concerning PCB congener #18.
392.1	PCB_18_DL	PCB 18 ng/g det lim	PCB 18 ng/g detection limit		The lowest detectable concentration of PCB 18 for this laboratory and this methodology.
393	PCB_28_NGG	PCB 28 ng/g	PCB 28 ng/g	7012375	PCB congener # 28 of 209 possible in units of nanograms per gram (2,4,4'-TRICHLOROBIPHENYL).
394	PCB_28_Q	PCB 28 ng/g q	PCB 28 ng/g qualifier		Qualifier concerning PCB congener #28.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
394.5	PCB_28_DL	PCB 28 ng/g det lim	PCB 28 ng/g detection limit		The lowest detectable concentration of PCB 28 for this laboratory and this methodology.
395	PCB_44_NGG	PCB 44 ng/g	PCB 44 ng/g	41464395	PCB congener # 44 of 209 possible in units of nanograms per gram (2,2',3,5'-TETRACHLOROBIPHENYL).
396	PCB_44_Q	PCB 44 ng/g q	PCB 44 ng/g qualifier		Qualifier concerning PCB congener #44.
396.1	PCB_44_DL	PCB 44 ng/g det lim	PCB 44 ng/g detection limit		The lowest detectable concentration of PCB 44 for this laboratory and this methodology.
397	PCB_52_NGG	PCB 52 ng/g	PCB 52 ng/g	35693993	PCB congener # 52 of 209 possible in units of nanograms per gram (2,2',5,5'-TETRACHLOROBIPHENYL).
398	PCB_52_Q	PCB 52 ng/g q	PCB 52 ng/g qualifier		Qualifier concerning PCB congener #52.
398.1	PCB_52_DL	PCB 52 ng/g det lim	PCB 52 ng/g detection limit		The lowest detectable concentration of PCB 52 for this laboratory and this methodology.
399	PCB_66_NGG	PCB 66 ng/g	PCB 66 ng/g	32598100	PCB congener # 66 of 209 possible in units of nanograms per gram (2,3',4,4'-TETRACHLOROBIPHENYL).
400	PCB_66_Q	PCB 66 ng/g q	PCB 66 ng/g qualifier		Qualifier concerning PCB congener #56.
400.1	PCB_66_DL	PCB 66 ng/g det lim	PCB 66 ng/g detection limit		The lowest detectable concentration of PCB 66 for this laboratory and this methodology.
401	PCB_77_NGG	PCB 77/110 ng/g	PCB 77/110 ng/g	32598133, 38380039	PCB congener # 77/110 of 209 possible in units of nanograms per gram (3,3',4,4'-TETRACHLOROBIPHENYL).
402	PCB_77_Q	PCB 77/110 q	PCB 77/110 qualifier		Qualifier concerning PCB congener #77/110.
402.1	PCB_77_DL	PCB 77 ng/g det lim	PCB 77 ng/g detection limit		The lowest detectable concentration of PCB 77 for this laboratory and this methodology.
403	PCB101_NGG	PCB 101 ng/g	PCB 101 ng/g	37680732	PCB congener # 101 of 209 possible in units of nanograms per gram (2,2',4,5,5'-PENTACHLOROBIPHENYL).
404	PCB_101_Q	PCB 101 ng/g q	PCB 101 ng/g qualifier		Qualifier concerning PCB congener #101.
404.1	PCB_101_DL	PCB 101 ng/g det lim	PCB 101 ng/g detection limit		The lowest detectable concentration of PCB 101 for this laboratory and this methodology.
405	PCB105_NGG	PCB 105 ng/g	PCB 105 ng/g	35598144	PCB congener # 105 of 209 possible in units of nanograms per gram (2,3,3',4,4'-PENTACHLOROBIPHENYL).
406	PCB_105_Q	PCB 105 ng/g q	PCB 105 ng/g qualifier		Qualifier concerning PCB congener #105.
406.1	PCB_105_DL	PCB 105 ng/g det lim	PCB 105 ng/g detection limit		The lowest detectable concentration of PCB 105 for this laboratory and this methodology.
407	PCB112_NGG	PCB 112 ng/g	PCB 112 ng/g	74472369	PCB congener # 112 of 209 possible in units of nanograms per gram (2,3,3',5,6-PENTACHLOROBIPHENYL).
408	PCB_112_Q	PCB 112 ng/g q	PCB 112 ng/g qualifier		Qualifier concerning PCB congener #112.
408.1	PCB_112_DL	PCB 112 ng/g det lim	PCB 112 ng/g detection limit		The lowest detectable concentration of PCB 112 for this laboratory and this methodology.
409	PCB118_NGG	PCB 118 ng/g	PCB 118 ng/g	31508006	PCB congener # 118 of 209 possible in units of nanograms per gram (2,3',4,4',5-PENTACHLOROBIPHENYL).
410	PCB_118_Q	PCB 118 ng/g q	PCB 118 ng/g qualifier		Qualifier concerning PCB congener #118.
410.1	PCB_118_DL	PCB 118 ng/g det lim	PCB 118 ng/g detection limit		The lowest detectable concentration of PCB 118 for this laboratory and this methodology.
411	PCB126_NGG	PCB 126 ng/g	PCB 126 ng/g	57465288	PCB congener # 126 of 209 possible in units of nanograms per gram (3,3',4,4',5-PENTACHLOROBIPHENYL).
412	PCB126_Q	PCB 126 q	PCB 126 qualifier		Qualifier concerning PCB congener #126.
412.1	PCB_126_DL	PCB 126 ng/g det lim	PCB 126 ng/g detection limit		The lowest detectable concentration of PCB 126 for this laboratory and this methodology.
413	PCB128_NGG	PCB 128 ng/g	PCB 128 ng/g	38380073	PCB congener # 128 of 209 possible in units of nanograms per gram (2,2',3,3',4,4'-HEXACHLOROBIPHENYL).
414	PCB_128_Q	PCB 128 ng/g q	PCB 128 ng/g qualifier		Qualifier concerning PCB congener #128 of 209.
414.1	PCB_128_DL	PCB 128 ng/g det lim	PCB 128 ng/g detection limit		The lowest detectable concentration of PCB 128 for this laboratory and this methodology.
415	PCB137_NGG	PCB 137 ng/g	PCB 137 ng/g	3569465	PCB congener # 137 of 209 possible in units of nanograms per gram (2,2',3,4,4',5-HEXACHLOROBIPHENYL).
416	PCB_137_Q	PCB 137 ng/g q	PCB 137 ng/g qualifier		Qualifier concerning PCB congener #137.
416.1	PCB_137_DL	PCB 137 ng/g det lim	PCB 137 ng/g detection limit		The lowest detectable concentration of PCB 137 for this laboratory and this methodology.
417	PCB138_NGG	PCB 138 ng/g	PCB 138 ng/g	35065282	PCB congener # 138 of 209 possible in units of nanograms per gram (2,2',3,4,4',5'-HEXACHLOROBIPHENYL).
418	PCB_138_Q	PCB 138 ng/g q	PCB 138 ng/g qualifier		Qualifier concerning PCB congener #138.
418.1	PCB_138_DL	PCB 138 ng/g det lim	PCB 138 ng/g detection limit		The lowest detectable concentration of PCB 138 for this laboratory and this methodology.
419	PCB153_NGG	PCB 153 ng/g	PCB 153 ng/g	35065271	PCB congener # 153 of 209 possible in units of nanograms per gram (2,2',4,4',5,5'-HEXACHLOROBIPHENYL).
420	PCB_153_Q	PCB 153 ng/g q	PCB 153 ng/g qualifier		Qualifier concerning PCB congener #153.
420.1	PCB_153_DL	PCB 153 ng/g det lim	PCB 153 ng/g detection limit		The lowest detectable concentration of PCB 153 for this laboratory and this methodology.
421	PCB170_NGG	PCB 170 ng/g	PCB 170 ng/g	35065306	PCB congener # 170 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL).
422	PCB_170_Q	PCB 170 ng/g q	PCB 170 ng/g qualifier		Qualifier concerning PCB congener #170.
422.1	PCB_170_DL	PCB 170 ng/g det lim	PCB 170 ng/g detection limit		The lowest detectable concentration of PCB 170 for this laboratory and this methodology.
423	PCB179_NGG	PCB 179 ng/g	PCB 179 ng/g	52663646	PCB congener # 179 of 209 possible in units of nanograms per gram (2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL).
424	PCB179_Q	PCB 179 q	PCB 179 qualifier		Qualifier concerning PCB congener #179.
424.1	PCB_179_DL	PCB 179 ng/g det lim	PCB 179 ng/g detection limit		The lowest detectable concentration of PCB 179 for this laboratory and this methodology.
425	PCB180_NGG	PCB 180 ng/g	PCB 180 ng/g	36065293	PCB congener # 180 of 209 possible in units of nanograms per gram (2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL).
426	PCB_180_Q	PCB 180 ng/g q	PCB 180 ng/g qualifier		Qualifier concerning PCB congener #180.
426.1	PCB_180_DL	PCB 180 ng/g det lim	PCB 180 ng/g detection limit		The lowest detectable concentration of PCB 180 for this laboratory and this methodology.
427	PCB187_NGG	PCB 187 ng/g	PCB 187 ng/g	52663680	PCB congener # 187 of 209 possible in units of nanograms per gram (2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL).
428	PCB_187_Q	PCB 187 ng/g q	PCB 187 ng/g qualifier		Qualifier concerning PCB congener #187.
428.1	PCB_187_DL	PCB 187 ng/g det lim	PCB 187 ng/g detection limit		The lowest detectable concentration of PCB 187 for this laboratory and this methodology.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
429	PCB189_NGG	PCB 189 ng/g	PCB 189 ng/g	35065293	PCB congener # 189 of 209 possible in units of nanograms per gram (2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL).
430	PCB_189_Q	PCB 189 ng/g q	PCB 189 ng/g qualifier		Qualifier concerning PCB congener #189.
430.1	PCB_189_DL	PCB 189 ng/g det lim	PCB 189 ng/g detection limit		The lowest detectable concentration of PCB 189 for this laboratory and this methodology.
431	PCB195_NGG	PCB 195 ng/g	PCB 195 ng/g	52663782	PCB congener # 195 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL).
432	PCB_195_Q	PCB 195 ng/g q	PCB 195 ng/g qualifier		Qualifier concerning PCB congener #195.
432.1	PCB_195_DL	PCB 195 ng/g det lim	PCB 195 ng/g detection limit		The lowest detectable concentration of PCB 195 for this laboratory and this methodology.
433	PCB206_NGG	PCB 206 ng/g	PCB 206 ng/g	40186729	PCB congener # 206 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL).
434	PCB_206_Q	PCB 206 ng/g q	PCB 206 ng/g qualifier		Qualifier concerning PCB congener #206.
434.1	PCB_206_DL	PCB 206 ng/g det lim	PCB 206 ng/g detection limit		The lowest detectable concentration of PCB 206 for this laboratory and this methodology.
435	PCB209_NGG	PCB 209 ng/g	PCB 209 ng/g	2051243	PCB congener # 209 of 209 possible in units of nanograms per gram (2,2',3,3',4,4',5,5',6,6'-DECACHLOROBIPHENYL).
436	PCB_209_Q	PCB 209 ng/g q	PCB 209 ng/g qualifier		Qualifier concerning PCB congener #209.
436.1	PCB_209_DL	PCB 209 ng/g det lim	PCB 209 ng/g detection limit		The lowest detectable concentration of PCB 209 for this laboratory and this methodology.
439	1016_1242C	Arochlor 1016/1242 ng/g	Arochlor 1016/1242 ng/g	12674112/53469219	PCB in units of nanograms per gram, Arochlor equivalent No. 1016/1242; this is the older method of reporting PCB.
440	1016_1242Q	Arochlor 1016/1242q	Arochlor 1016/1242 qualifier		Any qualifier information or comments, e.g., less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
440.1	1016_1242D	Arochlor 1016/1242 ng/g det lim	PCB 1016/1242 ng/g detection limit		The lowest detectable concentration of PCB 1016/1242 for this laboratory and this methodology.
441	AC1221_NGG	Arochlor 1221 ng/g	Arochlor 1221 ng/g	11104282	PCB in units of nanograms per gram, Arochlor equivalent No. 1221; this is the older method of reporting PCB.
442	AC1221_Q	Arochlor 1221 q	Arochlor 1221 qualifier		Any qualifier information or comments, e.g., less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
442.1	AC1221_DL	Arochlor 1221 ng/g det lim	Arochlor 1221 ng/g detection limit		The lowest detectable concentration of Arochlor 1221 for this laboratory and this methodology.
443	AC1232_NGG	Arochlor 1232 ng/g	Arochlor 1232 ng/g	1141165	PCB in units of nanograms per gram, Arochlor equivalent No. 1232; this is the older method of reporting PCB.
444	AC1232_Q	Arochlor 1232 q	Arochlor 1232 qualifier		Any qualifier information or comments, e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
444.1	AC1232_DL	Arochlor 1232 ng/g det lim	Arochlor 1232 ng/g detection limit		The lowest detectable concentration of Arochlor 1232 for this laboratory and this methodology.
445	AC1248_NGG	Arochlor 1248 ng/g	Arochlor 1248 ng/g	12672296	PCB in units of nanograms per gram, Arochlor equivalent No. 1248; this is the older method of reporting PCB.
446	AC1248_Q	Arochlor 1248 q	Arochlor 1248 qualifier		Any qualifier information or comments, e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
446.1	AC1248_DL	Arochlor 1248 ng/g det lim	Arochlor 1248 ng/g detection limit		The lowest detectable concentration of Arochlor 1248 for this laboratory and this methodology.
447	AC1254_NGG	Arochlor 1254 ng/g	Arochlor 1254 ng/g	11097691	PCB in units of nanograms per gram, Arochlor equivalent No. 1254; this is the older method of reporting PCB.
448	AC1254_Q	Arochlor 1254 q	Arochlor 1254 qualifier		Any qualifier information or comments e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
448.1	AC1254_DL	Arochlor 1254 ng/g det lim	Arochlor 1254 ng/g detection limit		The lowest detectable concentration of Arochlor 1254 for this laboratory and this methodology.
449	AC1260_NGG	Arochlor 1260 ng/g	Arochlor 1260 ng/g	11096825	PCB in units of nanograms per gram, Arochlor equivalent No. 1260; this is the older method of reporting PCB.
450	AC1260_Q	Arochlor 1260 q	Arochlor 1260 qualifier		Any qualifier information or comments e.g. less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
450.1	AC1260_DL	Arochlor 1260 ng/g det lim	Arochlor 1260 ng/g detection limit		The lowest detectable concentration of Arochlor 1260 for this laboratory and this methodology.
453	TOXPHENE_C	Toxaphene ng/g	Toxaphene ng/g	8001352	Toxaphene (pesticide) in units of nanograms per gram.
454	TOXPHENE_Q	Toxaphene q	Toxaphene qualifier		Any qualifier information or comments e.g...less than(<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
455	TOXPHENE_D	Toxaphene det lim	Toxaphene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
456	DDT_4_4_C	DDT 4,4' ng/g	DDT 4,4' ng/g	50293	DDT 4,4' nanograms per gram = p,p DDT in units of nanograms per gram.
457	DDT_4_4_Q	DDT 4,4' q	DDT 4,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
458	DDT_4_4_D	DDT 4,4' det lim	DDT 4,4' det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
459	DDT_2_4_C	DDT 2,4' ng/g	DDT 2,4' ng/g	789026	DDT 2,4 nanograms per gram = o,p DDT in units of nanograms per gram.
460	DDT_2_4_Q	DDT 2,4' q	DDT 2,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
461	DDT_2_4_D	DDT 2,4' det lim	DDT 2,4' det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
465	DDE_4_4_C	DDE 4,4' ng/g	DDE 4,4' ng/g	72559	DDE 4,4 isomer in units of nanograms per gram.
466	DDE_4_4_Q	DDE 4,4' q	DDE 4,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
467	DDE_4_4_D	DDE 4,4' det lim	DDE 4,4' det lim		The lowest detectable concentration of this compound for this laboratory and methodology.

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468	DDE_2_4_C	DDE 2,4' ng/g	DDE 2,4' ng/g	3424826	DDE 2,4 isomer in units of nanograms per gram.
469	DDE_2_4_Q	DDE 2,4' q	DDE 2,4' qualifier		Any qualifier information of comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
470	DDE_2_4_D	DDE 2,4' det lim	DDE 2,4' det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
474	DDD_4_4_C	DDD 4,4' ng/g	DDD 4,4' ng/g	72548	DDD 4,4 isomer in units of nanograms per gram.
475	DDD_4_4_Q	DDD 4,4' q	DDD 4,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
476	DDD_4_4_D	DDD 4,4' det lim	DDD 4,4' det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
477	DDD_2_4_C	DDD 2,4 ng/g	DDD 2,4 ng/g	53190	DDD 2,4 isomer in units of nanograms per gram.
478	DDD_2_4_Q	DDD 2,4' q	DDD 2,4' qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
479	DDD_2_4_D	DDD 2,4' det lim	DDD 2,4' det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
480	7CHLR_C	Heptachlor ng/g	Heptachlor ng/g	76448	Heptachlor (insecticide) in units of nanograms per gram.
481	7CHLR_Q	Heptachlor q	Heptachlor qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
482	7CHLR_D	Heptachlor det lim	Heptachlor detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
483	7CHLR_EPXC	Heptachlor epoxide ng/g	Heptachlor epoxide ng/g	1024573	Heptachlor epoxide (soil oxidation product, insecticide) in units of nanograms per gram.
484	7CHLR_EPXQ	Heptachlor epoxide q	Heptachlor epoxide qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
485	7CHLR_EPXD	Heptachlor epoxide det lim	Heptachlor epoxide detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
486	6CBZ_HCB_C	Hexachlorobenzene (HCB) ng/g	Hexachlorobenzene (HCB) ng/g	118741	Hexachlorobenzene (fungicide) in units of nanograms per gram.
487	6CLBNZ_Q	Hexachlorobenzene q	Hexachlorobenzene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
488	6CLBNZ_DL	Hexachlorobenzene det lim	Hexachlorobenzene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
489	ENDRIN_C	Endrin ng/g	Endrin ng/g	72208	Endrin(insecticide) in units of nanograms per gram.
490	ENDRIN_Q	Endrin q	Endrin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
491	ENDRIN_D	Endrin det lim	Endrin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
492	ENDR_ALD_C	Endrin Aldehyde ng/g	Endrin Aldehyde ng/g	7421363	Endrin Aldehyde (Endrin oxidation product) in units of nanograms per gram.
493	ENDR_ALD_Q	Endrin Aldehyde q	Endrin Aldehyde qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
494	ENDR_ALD_D	Endrin Aldehyde det lim	Endrin Aldehyde detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
495	ALDRIN_C	Aldrin ng/g	Aldrin ng/g	309002	Aldrin (insecticide) in units of nanograms per gram.
496	ALDRIN_Q	Aldrin q	Aldrin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
497	ALDRIN_D	Aldrin det lim	Aldrin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
498	DIELDRN_C	Dieldrin ng/g	Dieldrin ng/g	60571	Dieldrin (insecticide) in units of nanograms per gram.
499	DIELDRN_Q	Dieldrin q	Dieldrin qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
500	DIELDRN_D	Dieldrin det lim	Dieldrin detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
501	CYCLXN_T_C	Cyclohexane (total) ng/g	Cyclohexane (total) ng/g	110827	Cyclohexane (PAH) in units of nanograms per gram.
502	CYCLXN_T_D	Cyclohexane (total) det. lim	Cyclohexane (total) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
503	CYCLXN_T_Q	Cyclohexane (total) q	Cyclohexane (total) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
504	CYCLXN_A_C	Cyclohexane (alpha) ng/g	Cyclohexane (alpha) ng/g		Cyclohexane alpha (PAH) in units of nanograms per gram.
505	CYCLXN_A_D	Cyclohexane (alpha) det. lim	Cyclohexane (alpha) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
506	CYCLXN_A_Q	Cyclohexane (alpha) q	Cyclohexane (alpha) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
507	CYCLXN_B_C	Cyclohexane (beta) ng/g	Cyclohexane (beta) ng/g		Cyclohexane beta (PAH) in units of nanograms per gram.
508	CYCLXN_B_D	Cyclohexane (beta) det. lim	Cyclohexane (beta) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
509	CYCLXN_B_Q	Cyclohexane (beta) q	Cyclohexane (beta) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
510	CYCLXN_G_C	Cyclohexane (gamma) ng/g	Cyclohexane (gamma) ng/g		Cyclohexane gamma (PAH) in units of nanograms per gram.
511	CYCLXN_G_D	Cyclohexane (gamma) det. lim	Cyclohexane (gamma) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.

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512	CYCLXN_G_Q	Cyclohexane (gamma) q	Cyclohexane (gamma) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
513	CLRDNE_T_C	Chlordane (total) ng/g	Chlordane (total) ng/g	57749	Chlordane (pesticide) in units of nanograms per gram.
514	CLRDNE_T_D	Chlordane (total) det. lim	Chlordane (total) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
515	CLRDNE_T_Q	Chlordane (total) q	Chlordane (total) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
516	CLRDNE_A_C	Chlordane (alpha) ng/g	Chlordane (alpha) ng/g	5103719	Chlordane (alpha) is equivalent to cis-chlordane.
517	CLRDNE_A_D	Chlordane (alpha) det. lim	Chlordane (alpha) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
518	CLRDNE_A_Q	Chlordane (alpha) q	Chlordane (alpha) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
519	CLRDNE_G_C	Chlordane (gamma) ng/g	Chlordane (gamma) ng/g	5566347	Chlordane (pesticide) in units of nanograms per gram.
520	CLRDNE_G_D	Chlordane (gamma) det. lim	Chlordane (gamma) det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
521	CLRDNE_G_Q	Chlordane (gamma) q	Chlordane (gamma) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
522	T9CHLOR_C	Trans-nonachlor ng/g	Trans-nonachlor ng/g	39765805	Trans -nonachlor in units of nanograms per gram.
523	T9CHLOR_D	Trans-nonachlor det. lim	Trans-nonachlor det. lim		The lowest detectable concentration of this compound for this laboratory and methodology.
524	T9CHLOR_Q	Trans-nonachlor q	Trans-nonachlor qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
525	MIREX_C	Mirex ng/g	Mirex ng/g	2385855	Mirex (pesticide) in units of nanograms per gram.
526	MIREX_Q	Mirex q	Mirex qualifier		Any qualifier information of comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
527	MIREX_D	Mirex det lim	Mirex detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
528	PARATHIONC	Parathion ng/g	Parathion ng/g	56382	Parathion (pesticide) in units of nanograms per gram.
529	PARATHIONQ	Parathion q	Parathion qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
530	PARATHIOND	Parathion det lim	Parathion detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
531	MALATHIONC	Malathion ng/g	Malathion ng/g	121755	Malathion (pesticide) in units of nanograms per gram.
532	MALATHIONQ	Malathion q	Malathion qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
533	MALATHIOND	Malathion det lim	Malathion detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
534	METHOXYCLC	Methoxychlor ng/g	Methoxychlor ng/g	72435	Methoxychlor (pesticide) in units of nanograms per gram.
535	METHOXYCLQ	Methoxychlor q	Methoxychlor qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
536	METHOXYCLD	Methoxychlor det lim	Methoxychlor detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
537	BHC_A_C	BHC (alpha) ng/g	BHC (alpha) ng/g	319846	BHC (alpha isomer) - hexachlorocyclohexane, in units of nanograms per gram.
538	BHC_A_Q	BHC (alpha) q	BHC (alpha) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
539	BHC_A_D	BHC (alpha) det lim	BHC (alpha) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
540	BHC_B_C	BHC (beta) ng/g	BHC (beta) ng/g	319857	BHC (beta isomer) hexachlorocyclohexane in units of nanograms per gram.
541	BHC_B_Q	BHC (beta) q	BHC (beta) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
542	BHC_B_D	BHC (beta) det lim	BHC (beta) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
543	LINDANE_C	BHC (gamma) = Lindane ng/g	BHC (gamma) = Lindane ng/g	58899	BHC (gamma isomer) hexachlorocyclohexane in units of nanograms per gram; Lindane is also known as BHC (gamma).
544	LINDANE_Q	BHC (gamma) = Lindane q	BHC (gamma) = Lindane qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
545	LINDANE_D	BHC (gamma) = Lindane det lim	BHC (gamma) = Lindane detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
546	BHC_D_C	BHC (delta) ng/g	BHC (delta) ng/g	319868	BHC (delta isomer) hexachlorocyclohexane in units of nanograms per gram.
547	BHC_D_Q	BHC (delta) q	BHC (delta) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
548	BHC_D_D	BHC (delta) det lim	BHC (delta) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
549	ENDOSUL2_C	Endosulfan II ng/g	Endosulfan II ng/g	33213659	Endosulfan II (Endosulfan isomer) in units of nanograms per gram.
550	ENDOSUL2_Q	Endosulfan II q	Endosulfan II qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
551	ENDOSUL2_D	Endosulfan II det lim	Endosulfan II detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.

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552	ENDOS_SU_C	Endosulfan Sulfate ng/g	Endosulfan Sulfate ng/g	1031078	Endosulfan sulfate (endosulfan oxidation product) in units of nanograms per gram.
553	ENDOS_SU_Q	Endosulfan Sulfate q	Endosulfan Sulfate qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
554	ENDOS_SU_D	Endosulfan Sulfate dl	Endosulfan Sulfate detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
555	ENDOSUL1_C	Endosulfan I ng/g	Endosulfan I ng/g	959988	Endosulfan I (endosulfan isomer) in units of nanograms per gram.
556	ENDOSUL1_Q	Endosulfan I q	Endosulfan I qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
557	ENDOSUL1_D	Endosulfan I det lim	Endosulfan I detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
TABLE OF PAHS					
1	LOCAL ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE ID	Unique Sample Identifier (US#)	Unique Sample Identifier (US#)		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
558	BENZNE_C	Benzene ng/g	Benzene ng/g	71432	Parent structure of aromatic ring hydrocarbon class (PAH), in units of nanograms per gram.
559	BENZNE_Q	Benzene q	Benzene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
560	BENZNE_D	Benzene det lim	Benzene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
561	2BZTPN_C	Dibenzothiophene ng/g	Dibenzothiophene ng/g	132650	Dibenzothiophene in units of nanograms per gram.
562	2BZTPN_Q	Dibenzothiophene q	Dibenzothiophene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
563	2BZTPN_D	Dibenzothiophene det lim	Dibenzothiophene det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
564	2BZTPN_T_C	Dibenzothiophene (total) ng/g	Dibenzothiophene (total) ng/g	132650	Dibenzothiophene (diphenylene sulfide) total of C0, C1, C2, and C3 in units of nanograms per gram.
565	2BZTPN_T_Q	Dibenzothiophene (total)q	Dibenzothiophene (total) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
566	2BZTPN_T_D	Dibenzothiophene (total) det lim	Dibenzothiophene (total) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
567	C1DIBZTPNC	Dibenzothiophene (C1) ng/g	Dibenzothiophene (C1) ng/g	132650	C1 dibenzothiophene (mass 198) in units of nanograms per gram, a subcomponent of dibenzothiophene.
568	C1DIBZTPNQ	Dibenzothiophene (C1) q	Dibenzothiophene (C1) qualifier		Any qualifier information or comments e.g....less than (<); analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
569	C1DIBZTPND	Dibenzothiophene (C1) det lim	Dibenzothiophene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology
570	C2DIBZTPNC	Dibenzothiophene (C2) ng/g	Dibenzothiophene (C2) ng/g	132650	C2 dibenzothiophene (mass 212) in units of nanograms per gram, a subcomponent of dibenzothiophene.
571	C2DIBZTPNQ	Dibenzothiophene (C2) q	Dibenzothiophene (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
572	C2DIBZTPND	Dibenzothiophene (C2) det lim	Dibenzothiophene (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
573	C3DIBZTPNC	Dibenzothiophene (C3) ng/g	Dibenzothiophene (C3) ng/g	132650	C3 dibenzothiophene (mass 226) in units of nanograms per gram, a subcomponent of dibenzothiophene.
574	C3DIBZTPNQ	Dibenzothiophene (C3) q	Dibenzothiophene (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
575	C3DIBZTPND	Dibenzothiophene (C3) det lim	Dibenzothiophene (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
576	2BZFRN_T_C	Dibenzofuran (total) ng/g	Dibenzofuran (total) ng/g	132649	Dibenzofuran (diphenylene oxide, PAH) in units of nanograms per gram.
577	2BNZFRN_Q	Dibenzofuran q	Dibenzofuran qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
578	2BNZFRN_D	Dibenzofuran det lim	Dibenzofuran det lim		The lowest detectable concentration of this compound for this laboratory and methodology.
579	NAPHTHLN_C	Naphthalene ng/g	Naphthalene ng/g	91203	Measured napthalene (not substituted) in units of nanograms per gram
580	NAPHTHLN_Q	Naphthalene q	Naphthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
581	NAPHTHLN_D	Naphthalene det lim	Naphthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology
582	NPHTLN_T_C	Naphthalenes (total) ng/g	Naphthalenes (total) ng/g	91203	Measured total napthalenes from C1-C4 substituted napthalenes.
583	NPHTLN_T_Q	Naphthalenes (total) q	Naphthalenes (total) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
584	NPHTLN_T_D	Naphthalenes (total) det lim	Naphthalenes (total) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
585	C1NPHTLN_C	Naphthalenes (C1) ng/g	Naphthalenes (C1) ng/g	91203	1-methylnapthalene (mass 142) and 2-methylnapthalene in units of nanograms per gram.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
586	C1NPHTLN_Q	Naphthalenes (C1) q	Naphthalenes (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
587	C1NPHTLN_D	Naphthalenes (C1) det lim	Naphthalenes (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
588	1MTYLNAP_C	1-Methyl-Napthalene ng/g	1-Methyl-Napthalene ng/g	90120	1-methylnaphthalene (PAH) in units of nanograms per gram, a subcomponent of C1 Naphthalene.
589	1MTYLNAP_Q	1-Methyl-Napthalene q	1-Methyl-Napthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
590	1MTYLNAP_D	1-Methyl-Napthalene det lim	1-Methyl-Napthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
591	2MTYLNAP_C	2-Methyl-Napthalene ng/g	2-Methyl-Napthalene ng/g	91576	2-methylnaphthalene (PAH) in units of nanograms per gram, a subcomponent of C2 Naphthalene.
592	2MTYLNAP_Q	2-Methyl-Napthalene q	2-Methyl-Napthalene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
593	2MTYLNAP_D	2-Methyl-Napthalene det lim	2-Methyl-Napthalene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
594	C2NPHTLN_C	Naphthalenes (C2) ng/g	Naphthalenes (C2) ng/g	91203	2,6-dimethylnapthalene (mass 156) in units of nanograms per gram.
595	C2NPHTLN_Q	Naphthalenes (C2) q	Naphthalenes (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
596	C2NPHTLN_D	Naphthalenes (C2) det lim	Naphthalenes (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
597	C3NPHTLN_C	Naphthalenes (C3) ng/g	Naphthalenes (C3) ng/g	91203	2,3,5-trimethylnapthalene (mass 170) = 1,6,7-trimethylnapthalene in units of nanograms per gram.
598	C3NPHTLN_Q	Naphthalenes (C3) q	Naphthalenes (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
599	C3NPHTLN_D	Naphthalenes (C3) det lim	Naphthalenes (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
600	C4NPHTLN_C	Naphthalenes (C4) ng/g	Naphthalenes (C4) ng/g	91203	Total C4 Naphthalene (mass 184) in units of nanograms per gram.
601	C4NPHTLN_Q	Naphthalenes (C4) q	Naphthalenes (C4) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
602	C4NPHTLN_D	Naphthalenes (C4) det lim	Naphthalenes (C4) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
603	BIPHENYL_C	Biphenyl ng/g	Biphenyl ng/g	92524	Biphenyl (mass 154 also) in units of nanograms per gram.
604	BIPHENYL_Q	Biphenyl q	Biphenyl qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
605	BIPHENYL_D	Biphenyl det lim	Biphenyl detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
606	ACNPHTHN_C	Acenaphthene ng/g	Acenaphthene ng/g	83329	Acenaphthene (mass 154 also) in units of nanograms per gram.
607	ACNPHTHN_Q	Acenaphthene q	Acenaphthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
608	ACNPHTHN_D	Acenaphthene det lim	Acenaphthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
609	ACNPHTYL_C	Acenaphthylene ng/g	Acenaphthylene ng/g	208968	Acenaphthylene (mass 152) in units of nanograms per gram.
610	ACNPHTYL_Q	Acenaphthylene q	Acenaphthylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
611	ACNPHTYL_D	Acenaphthylene det lim	Acenaphthylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
612	FLUORENE_C	Fluorene ng/g	Fluorene ng/g	86737	Fluorene (mass 166) in units of nanograms per gram.
613	FLUORENE_Q	Fluorene q	Fluorene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
614	FLUORENE_D	Fluorene det lim	Fluorene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
615	C1FLORNE_C	Fluorene (C1) ng/g	Fluorene (C1) ng/g	86737	Fluorene C1 (mutagenic) in units of nanograms per gram.
616	C1FLORNE_Q	Fluorene (C1) q	Fluorene (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
617	C1FLORNE_D	Fluorene (C1) det lim	Fluorene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
618	C2FLORNE_C	Fluorene (C2) ng/g	Fluorene (C2) ng/g	86737	Fluorene C2 (mutagenic) in units of nanograms per gram.
619	C2FLORNE_Q	Fluorene (C2) q	Fluorene (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
620	C2FLORNE_D	Fluorene (C2) det lim	Fluorene (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
621	C3FLORNE_C	Fluorene (C3) ng/g	Fluorene (C3) ng/g	86737	Fluorene C3 (mutagenic) in units of nanograms per gram.
622	C3FLORNE_Q	Fluorene (C3) q	Fluorene (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
623	C3FLORNE_D	Fluorene (C3) det lim	Fluorene (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
624	PHNANTHR_C	Phenanthrene ng/g	Phenanthrene ng/g	85018	Phenanthrene (mass 178) in units of nanograms per gram.
625	PHNANTHR_Q	Phenanthrene q	Phenanthrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.

USGS ROW #	Short_Field_Name_10_ch aracters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
626	PHNANTHR_D	Phenanthrene det lim	Phenanthrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
627	1MT_PHE_C	1-Methyl-Phenanthrene ng/g	1-Methyl-Phenanthrene ng/g	832699	Phenanthrene (C1) = 1-Methyl Phenanthrene (mass 192) in units of nanograms per gram.
628	1M_PHE_COM	1Methyl Phenanthrene cmts	1Methyl Phenanthrene Comments		Comments about 1-Methyl-Phenanthrene.
629	1MT_PHE_Q	1-Methyl-Phenanthrene q	1-Methyl-Phenanthrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
630	1MT_PHE_D	1-Methyl-Phenanthrene det lim	1-Methyl-Phenanthrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
631	C2PHNANT_C	Phenanthrene* (C2)	Phenanthrene* (C2)	85018	C2 homolog of phenanthrene (anthracene) (PAH) in units of nanograms per gram.
632	C2_PHE_COM	Phenanthrene* (C2) cmts	C2 Phenanthrene Comments		Comments about C2 Phenanthrene.
633	C2PHNANT_Q	Phenanthrene* (C2) q	Phenanthrene* (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
634	C2PHNANT_D	Phenanthrene* (C2) det lim	Phenanthrene* (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
635	C3PHNANT_C	Phenanthrene* (C3)	Phenanthrene* (C3)	85018	C3 homolog of phenanthrene (anthracene) in units of nanograms per gram.
636	C3_PHE_COM	Phenanthrene* (C3) cmts	C3 Phenanthrene Comments		Comments about C3 Phenanthrene.
637	C3PHNANT_Q	Phenanthrene* (C3) q	Phenanthrene* (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
638	C3PHNANT_D	Phenanthrene* (C3) det lim	Phenanthrene* (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
639	C4PHNANT_C	Phenanthrene* (C4)	Phenanthrene* (C4)	85018	C4 homolog of phenanthrene (anthracene) in units of nanograms per gram.
640	C4_PHE_COM	Phenanthrene* (C4) cmts	C4 Phenanthrene Comments		Comments about C4 Phenanthrene.
641	C4PHNANT_Q	Phenanthrene* (C4) q	Phenanthrene* (C4) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
642	C4PHNANT_D	Phenanthrene* (C4) det lim	Phenanthrene* (C4) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
643	ANTHRACN_C	Anthracene ng/g	Anthracene ng/g	120127	Anthracene (mass 178) in units of nanograms per gram.
644	ANTHRACN_Q	Anthracene q	Anthracene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
645	ANTHRACN_D	Anthracene det lim	Anthracene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
646	BZ_A_ANT_C	Benz(a) anthracene ng/g	Benz(a) anthracene ng/g	56553	Anthracene (C1)=Benz anthracene = benzoanthracene = Benzo(a) anthracene (mass 228) in units of nanograms per gram.
647	BZ_A_ANT_Q	Benz(a) anthracene q	Benz(a) anthracene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
648	BZ_A_ANT_D	Benz (a) anthracene det lim	Benz (a) anthracene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
649	2_AH_ANT_C	dibenz (a,h) anthracene ng/g	dibenz (a,h) anthracene ng/g	53703	Anthracene (C1) = dibenz (a,h) anthracene (mass 278) = Dibenzo Anthracene in units of nanograms per gram.
650	2_AH_ANT_Q	dibenz (a,h) anthracene q	dibenz (a,h) anthracene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
651	2_AH_ANT_D	dibenz (a,h) anthracene det lim	dibenz (a,h) anthracene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
652	PYRENE_C	Pyrene ng/g	Pyrene ng/g	129000	Pyrene (mass 202) in units of nanograms per gram.
653	PYRENE_Q	Pyrene q	Pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
654	PYRENE_D	Pyrene det lim	Pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
655	C1PYRENE_C	Pyrene (C1) ng/g	Pyrene (C1) ng/g	129000	Measured total of all C1 pyrenes = Benzo (a) and Benzo (e) pyrene in units of nanograms per gram.
656	C1PYRENE_Q	Pyrene(C1) q	Pyrene(C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
657	C1PYRENE_D	Pyrene (C1) det lim	Pyrene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
658	BZ_A_PYR_C	Benzo (a) pyrene ng/g	Benzo (a) pyrene ng/g	50328	Benzo (a) pyrene (mass 252 also) in units of nanograms per gram.
659	BZ_A_PYR_Q	Benzo (a) pyrene q	Benzo (a) pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
660	BZ_A_PYR_D	Benzo (a) pyrene det lim	Benzo (a) pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
661	BZ_E_PYR_C	Benzo (e) pyrene ng/g	Benzo (e) pyrene ng/g	192972	Benzo (e) pyrene (mass 252 also) in units of nanograms per gram.
662	BZ_E_PYR_Q	Benzo (e) pyrene q	Benzo (e) pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
663	BZ_E_PYR_D	Benzo (e) pyrene det lim	Benzo (e) pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
664	IN_123_PYC	Indeno(123)Pyrene ng/g	Indeno(123)Pyrene ng/g	193395	Indeno(123)Pyrene = Indeno(1,2,3-cd) pyrene in units of nanograms per gram.
665	IN_123_PYQ	Indeno(123)Pyrene q	Indeno(123)Pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
666	IN_123_PYD	Indeno(123)Pyrene det lim	Indeno(123)Pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
667	3_4BNZPY_C	3,4 Benzo pyrene ng/g	3,4 Benzo pyrene ng/g	50328	Benzopyrene (A) pyrene is equal to 3,4 Benzpyrene (PAH), in units of nanograms per gram.
668	3_4BNZPY_Q	3,4 Benzo pyrene q	3,4 Benzo pyrene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
669	3_4BNZPY_D	3,4 Benzo pyrene det lim	3,4 Benzo pyrene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
670	FLORNTHN_C	Fluoranthene ng/g	Fluoranthene ng/g	206440	Fluoranthene (mass 202) in units of nanograms per gram.
671	FLORNTHN_Q	Fluoranthene q	Fluoranthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
672	FLORNTHN_D	Fluoranthene det lim	Fluoranthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
673	C1FLRNTHNC	Fluoranthene (C1)	Fluoranthene (C1)	206440	C1-Fluoranthene = benzofluoranthene = measured concentration of both benzo (b) and benzo (k) fluoranthene in units of nanograms per gram.
674	C1FLRNTHNQ	Fluoranthene (C1) q	Fluoranthene (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
675	C1FLRNTHND	Fluoranthene (C1) det lim	Fluoranthene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
676	BZ_B_FLUOC	Benzo (b) floranthene ng/g	Benzo (b) fluoranthene ng/g	205992	Benzo (B) fluoranthene in units of nanograms per gram.
677	BZ_B_FLUOQ	Benzo (b) floranthene q	Benzo (b) fluoranthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
678	BZ_B_FLUOD	Benzo (b) floranthene det lim	Benzo (b) fluoranthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
679	BZ_K_FLUOC	Benzo (k) floranthene ng/g	Benzo (k) fluoranthene ng/g	207089	Benzo (K) fluoranthene in units of nanograms per gram.
680	BZ_K_FLUOQ	Benzo (k) floranthene q	Benzo (k) fluoranthene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
681	BZ_K_FLUOD	Benzo (k) floranthene det lim	Benzo (k) fluoranthene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
682	CHRYSENE_C	Chrysene ng/g	Chrysene ng/g	218019	Chrysene (mass 228) in units of nanograms per gram.
683	CHRYSENE_Q	Chrysene q	Chrysene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
684	CHRYSENE_D	Chrysene det lim	Chrysene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
685	CHRYS_C1_C	Chrysene (C1) ng/g	Chrysene (C1) ng/g	218019	Chrysene (C1) in units of nanograms per gram.
686	CHRYS_C1_Q	Chrysene (C1) q	Chrysene (C1) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
687	CHRYS_C1_D	Chrysene (C1) det.lim.	Chrysene (C1) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
688	CHRYS_C2_C	Chrysene (C2) ng/g	Chrysene (C2) ng/g	218019	Chrysene (C2) in units of nanograms per gram.
689	CHRYS_C2_Q	Chrysene (C2) q	Chrysene (C2) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
690	CHRYS_C2_D	Chrysene (C2) det.lim.	Chrysene (C2) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
691	CHRYS_C3_C	Chrysene (C3) ng/g	Chrysene (C3) ng/g	218019	Chrysene (C3) in units of nanograms per gram.
692	CHRYS_C3_Q	Chrysene (C3) q	Chrysene (C3) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
693	CHRYS_C3_D	Chrysene (C3) det.lim.	Chrysene (C3) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
694	CHRYS_C4_C	Chrysene (C4) ng/g	Chrysene (C4) ng/g	218019	Chrysene (C4) in units of nanograms per gram.
695	CHRYS_C4_Q	Chrysene (C4) q	Chrysene (C4) qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
696	CHRYS_C4_D	Chrysene (C4) det.lim.	Chrysene (C4) detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
697	PERYLENE_C	Perylene ng/g	Perylene ng/g	198550	Perylene (mass 252) (PAH) in units of nanograms per gram.
698	PERYLENE_Q	Perylene q	Perylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
699	PERYLENE_D	Perylene det lim	Perylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
700	BNZ_G_PYLC	Benzo (g) Perylene ng/g	Benzo (g) Perylene ng/g		benzo (g) perylene (PAH) in units of nanograms per gram.
701	BZ_G_PYL_Q	Benzo (g) Perylene q	Benzo (g) Perylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
702	BZ_G_PYL_D	Benzo (g) Perylene det lim	Benzo (g) Perylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
703	B_GHI_PYLC	Benzo (g,h,i) Perylene ng/g	Benzo (g,h,i) Perylene ng/g	191242	benzo (g,h,i) perylene (mass 276) (PAH) in units of nanograms per gram.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
704	B_GHI_PYLQ	Benzo (g,h,i) Perylene q	Benzo (g,h,i) Perylene qualifier		Any qualifier information or comments e.g....less than (<) analytical problems; corrections made during VALIDS; indications of poor quality data, etc.
705	B_GHI_PYLD	Benzo (g,h,i) Perylene det lim	Benzo (g,h,i) Perylene detection limit		The lowest detectable concentration of this compound for this laboratory and methodology.
TABLE OF TEXTURE/GRAIN SIZE					
1	LOCAL_ID	Local Row or ID Number	Local Row or ID Number		Same as in Sample Header section = ID for use by user in maintaining sample order. This number can be changed by users.
2	UNIQUE_ID	Unique Sample ID#	Unique Sample ID#		Same as in Sample Header section = Database ID unique to this specific sample; assigned by USGS.
32	SRCE_OR_RF	Source of Informtn, Ref.	Source of Information or Reference		Same as in Sample Header section = Library reference or repository for hardcopy.
705	GRAIN_SIZE	Grain size test lab.	Grain size test lab.		Name or code for laboratory that performed the analysis for grain size and/or other physical properties.
706	LABID_SIZ	Lab.(size)Sample ID No.	Grain Size Lab Sample ID Number		Laboratory's ID number indicating specific sample (grain size).
707	LABJOB_SIZ	Lab.(size)Job ID No.	Grain Size Lab Job ID Number		Laboratory's ID number indicating Job No. or sample-tracking information (grain size).
708	REPLCT_NO	Replicate no _ of n	Replicate no _ of n		Number in set of replicate analyses. Leave blank when no replicates.
709	TOTAL_REPL	Total replicates n	Total replicates n		Total number of analyses in set of replicate analysis.
710	REQUESTER	Requester	Requester		Name of Principle Investigator or designee requesting analysis from laboratory.
711	LITHOLOGY	Lithology; phys. descrip.	Lithology; physical description		Lithology; text description of the non-biological part of the sample.
712	BIOLOGY	Biology	Biology		Description of the biological material observed.
713	DATE_OF_AN	Date of Analysis	Date of Analysis		Date of grain size or physical properties analysis by testing lab in format "mo/dy/yr".
714	MONTH_ANAL	Month anal.	Month of analysis		Month of analysis of sample.
715	DAY_ANAL_	Day anal.	Day of analysis		Day of analysis of sample.
716	YEAR_ANAL_	Year anal.	Year of analysis		Year of analysis of sample.
717	METHOD_FI	Method, fine frac.	Method, fine fraction		Method used in analysis of fine fraction; include reference code, if available.
718	METHOD_CO	Method, coarse frac.	Method, coarse fraction		Method used in analysis of coarse fraction.
719	PROCEDURE	Procedure	Procedure		Procedure used in any special treatment, e.g. acid treatment.
720	SAMPLE_WT	Sample weight	Sample weight		Weight of dry sediment sample in original units.
721	SAMP_UNITS	Sample weight units	Sample weight units		Original units for weight of dry sediment sample.
722	Q1_MM	1st quartile (in mm)	1st quartile (in mm)		The 25% quartile of the cumulative weight frequency of the sediment grain diameters (in mm); this may be given as a numerical value in the reference or it may be read off a graph.
723	Q2_MED_MM	2nd quartile (in mm) = median	2nd quartile (in mm) = median		The 50% quartile of the cumulative weight frequency of the sediment grain diameters (in mm); also called median; this may be given as a numerical value in the reference or it may be read off a graph.
724	Q3_MM	3rd quartile (in mm)	3rd quartile (in mm)		The 75% quartile of the cumulative weight frequency of the sediment grain diameters (in mm); this may be given as a numerical value in the reference or it may be read off a graph.
725	GRN_SI_PCT	Grain size curve - %curve	Grain size curve-%curve		
726	SPECIFIC_G	Specific Gravity g/cm3	Specific Gravity g/cm3		Specific Gravity of the dry sediment in units of grams per cubic centimeter.
727	GRAVEL_PCT	%Gravel	%Gravel		Gravel content in percent dry weight of the sample (particles with nominal diameters greater than 2 mm; -1Phi and larger
728	SAND_PCT	%Sand	%Sand		Sand content in percent dry weight of sample (particles with nominal diameters less than 2 mm but greater than or equal to 0.0625 mm; 0Phi through 4Phi)
729	SILT_PCT	%Silt	%Silt		Silt content in percent dry weight of the sample (particles with nominal diameters less than 0.0625 mm but greater than or equal to 0.004 mm; 5Phi through 8Phi, inclusive)
730	CLAY_PCT	%Clay	%Clay		Clay content in percent dry weight of the sample (particles with nominal diameters less than 0.004 mm; 9Phi and smaller)
731	FINES_SIL	%Fines (silt+clay or mud)	%Fines (silt+clay or mud)		Percent dry weight reported in both the silt and clay fractions (i.e. silt plus clay)
732	SED_CLASS	Sediment classification	Sediment classification		Sediment name or classification.
733	CLASSIF_S	Classif. system used	Classification system used		Classification system used to define dominant soil or sediment type; e.g., Shepard, Folk.
734	MEDIAN	Median	Median (middle point)		Median grain size (middle point in the grain-size distribution) in phi units; also = 50% quartile of the cumulative weight frequency.
735	MEAN	Mean	Mean (average)		Mean (average) grain size in phi units.
736	STDEV_SORT	St dev (Sorting)	Standard deviation (Sorting)		Standard deviation (root mean square of the deviations) of grain-size distribution in phi units.
737	SKEWNESS	Skewness	Skewness		Skewness (deviation from symmetrical form) of grain-size distribution in phi units.
738	KURTOSIS	Kurtosis	Kurtosis		Kurtosis (degree of curvature near the mode) of grain size distribution in phi units.
739	MODE_1_CLA	Mode 1 class	Mode 1 class		First mode (particle size that occurs the most number of times) in phi units.
740	MODE_1_STR	Mode 1 strength	Mode 1 strength		Mode strength in percent in the phi class.
741	MODE_2_CLA	Mode 2 class	Mode 2 class		Second mode in phi units.
742	MODE_2_STR	Mode 2 strength	Mode 2 strength		Mode strength in percent in the phi class.
743	MODE_3_CLA	Mode 3 class	Mode 3 class		Third mode in phi units.
744	MODE_3_STR	Mode 3 strength	Mode 3 strength		Mode strength in percent in the phi class.
745	NO_OF_MOD	No. of modes	Number of modes		Number of modes.
746	PHI_STEP	Phi step	Phi step		Phi step interval used in analysis.

USGS ROW #	Short_Field_Name_10_ch aracters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
747	FROM_PHI	From phi	From phi		Largest size measured, in phi units.
748	TO_PHI	To phi	To phi		Smallest particle size measured, in phi units.
749	PHIm11	Phi -11	Phi -11		Weight percent of the sample in the -11phi fraction (nominal diameter of particles greater than or equal to 2048mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi).
750	PHIm10	Phi -10	Phi -10		Weight percent of the sample in the -10phi fraction (nominal diameter of particles greater than or equal to 1024mm, but less than 2048mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi).
751	PHIm9	Phi -9	Phi -9		Weight percent of the sample in the -9phi fraction (nominal diameter of particles greater than or equal to 512mm, but less than 1024mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi).
752	PHIm8	Phi -8	Phi -8		Weight percent of the sample in the -8phi fraction (nominal diameter of particles greater than or equal to 256mm, but less than 512mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi); boulders.
753	PHIm7	Phi -7	Phi -7		Weight percent of the sample in the -7phi fraction (nominal diameter of particles greater than or equal to 128mm, but less than 256mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi); large cobbles.
754	PHIm6	Phi -6	Phi -6		Weight percent of the sample in the -6phi fraction (nominal diameter of particles greater than or equal to 64mm, but less than 128mm); values are obtained by graphical extrapolation from data for sizes less than 32mm (-4phi); small cobbles.
755	PHIm5	Phi -5	Phi -5		Weight percent of the sample in the -5phi fraction (nominal diameter of particles greater than or equal to 32mm, but less than 64 mm); very coarse pebbles.
756	PHIm4	Phi -4	Phi -4		Weight percent of the sample in the -4phi fraction (nominal diameter of particles greater than or equal to 16mm, but less than 32 mm); coarse pebbles (gravel).
757	PHIm3	Phi -3	Phi -3		Weight percent of the sample in the -3phi fraction (nominal diameter of particles greater than or equal to 8mm, but less than 16 mm); medium pebbles (gravel).
758	PHIm2	Phi -2	Phi -2		Weight percent of the sample in the -2phi fraction (nominal diameter of particles greater than or equal to 4mm, but less than 8 mm); fine pebbles (gravel).
759	PHIm1	Phi -1	Phi -1		Weight percent of the sample in the -1phi fraction (nominal diameter of particles greater than or equal to 2mm, but less than 4 mm); very fine pebbles (gravel).
760	PHI_0	Phi 0	Phi 0		Weight percent of the sample in the 0phi fraction (nominal diameter of particles greater than or equal to 1mm, but less than 2 mm); very coarse sand.
761	PHI_1	Phi 1	Phi 1		Weight percent of the sample in the 1phi fraction (nominal diameter of particles greater than or equal to 0.5mm, but less than 1 mm); coarse sand.
762	PHI_2	Phi 2	Phi 2		Weight percent of the sample in the 2phi fraction (nominal diameter of particles greater than or equal to 0.25mm, but less than 0.5 mm); medium sand.
763	PHI_3	Phi 3	Phi 3		Weight percent of the sample in the 3phi fraction (nominal diameter of particles greater than or equal to 0.125mm, but less than 0.25 mm); fine sand.
764	PHI_4	Phi 4	Phi 4		Weight percent of the sample in the 4phi fraction (nominal diameter of particles greater than or equal to 0.0625mm, but less than 0.125 mm); very fine sand.
765	PHI_5	Phi 5	Phi 5		Weight percent of the sample in the 5phi fraction (nominal diameter of particles greater than or equal to 0.031mm, but less than 0.0625 mm); coarse silt.
766	PHI_6	Phi 6	Phi 6		Weight percent of the sample in the 6phi fraction (nominal diameter of particles greater than or equal to 0.016mm, but less than 0.031 mm); medium silt.
767	PHI_7	Phi 7	Phi 7		Weight percent of the sample in the7phi fraction (nominal diameter of particles greater than or equal to 0.008mm, but less than 0.016 mm); fine silt.
768	PHI_8	Phi 8	Phi 8		Weight percent of the sample in the 8phi fraction (nominal diameter of particles greater than or equal to 0.004mm, but less than 0.008 mm); very fine silt.
769	PHI_9	Phi 9	Phi 9		Weight percent of the sample in the 9phi fraction (nominal diameter of particles greater than or equal to 0.002mm, but less than 0.004 mm); coarse clay.
770	PHI_10	Phi 10	Phi 10		Weight percent of the sample in the 10phi fraction (nominal diameter of particles greater than or equal to 0.001mm, but less than 0.002 mm); medium clay.
771	PHI_11	Phi 11	Phi 11		Weight percent of the sample in the 11phi fraction (nominal diameter of particles greater than or equal to 0.5μm, but less than 0.001 mm); fine clay.
772	PHI_12	Phi 12	Phi 12		Weight percent of the sample in the 12phi fraction (nominal diameter of particles greater than or equal to 0.25 μm but less than 0.5 μm); very fine clay.
773	PHI_13	Phi 13	Phi 13		Weight percent of the sample in the 13phi fraction (nominal diameter of particles greater than 0.125μm but less than.0625μm); values obtained by graphical extrapolation.
774	PHI_14	Phi 14	Phi 14		Weight percent of the sample in the 14phi fraction (nominal diameter of particles greater than.0625μm but less than.031μm); values obtained by graphical extrapolation.

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
775	PHI_15	Phi 15	Phi 15		Weight percent of the sample in the 15phi fraction (nominal diameter of particles greater than 0.031µm but less than.015µm); values obtained by graphical extrapolation.
776	PHI_16	Phi 16	Phi 16		Weight percent of the sample in the 16phi fraction (nominal diameter of particles greater than 0.015µm but less than.008µm); values obtained by graphical extrapolation.
777	PHI_17	Phi 17	Phi 17		Weight percent of the sample between 17phi (>~0.015 µm) and 16F; values are obtained by graphical extrapolation, and at this size and smaller, probably are not representative of actual particle size.
778	PHI_18	Phi 18	Phi 18		Weight percent of the sample between 18phi (>.008µm and 17F; values are obtained by graphical extrapolation and at this size and smaller, probably are not representative of actual particle size.
779	PHI_m6_2	Phi <-6	Phi <-6		Weight percent of material >64mm (-6phi).
780	PHI_m1_2	Phi <-1	Phi <-1		Weight percent of material > 2mm (-1phi).
781	PHI_10_2	Phi >10	Phi >10		Weight percent of material < 0.001mm (10phi = 1 µm).
782	CLS_1_DSC	Class 1 descrip.	Class 1 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add Cum. amt. passing (or retained)'.
783	CLS_1_PCT	Class 1 %	Class 1 %		Amount (weight percent) for given class.
784	CLS_2_DSC	Class 2 descrip.	Class 2 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
785	CLS_2_PCT	Class 2 %	Class 2 %		Amount (weight percent) for given class.
786	CLS_3_DSC	Class 3 descrip.	Class 3 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
787	CLS_3_PCT	Class 3 %	Class 3 %		Amount (weight percent) for given class.
788	CLS_4_DSC	Class 4 descrip.	Class 4 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
789	CLS_4_PCT	Class 4 %	Class 4 %		Amount (weight percent) for given class.
790	CLS_5_DSC	Class 5 descrip.	Class 5 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
791	CLS_5_PCT	Class 5 %	Class 5 %		Amount (weight percent) for given class.
792	CLS_6_DSC	Class 6 descrip.	Class 6 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
793	CLS_6_PCT	Class 6 %	Class 6 %		Amount (weight percent) for given class.
794	CLS_7_DSC	Class 7 descrip.	Class 7 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
795	CLS_7_PCT	Class 7 %	Class 7 %		Amount (weight percent) for given class.
796	CLS_8_DSC	Class 8 descrip.	Class 8 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
797	CLS_8_PCT	Class 8 %	Class 8 %		Amount (weight percent) for given class.
798	CLS_9_DSC	Class 9 descrip.	Class 9 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
799	CLS_9_PCT	Class 9 %	Class 9 %		Amount (weight percent) for given class.
800	CLS_10_DSC	Class 10 descrip.	Class 10 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
801	CLS_10_PCT	Class 10 %	Class 10 %		Amount (weight percent) for given class.
802	CLS_11_DSC	Class 11 descrip.	Class 11 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
803	CLS_11_PCT	Class 11 %	Class 11 %		Amount (weight percent) for given class.
804	CLS_12_DSC	Class 12 descrip.	Class 12 description		Description of size class for data reported in terms such as sieve mesh numbers or in inches, e.g. Class 1 might be "5 mesh", or ">3 1/2 inches". If amount reported is cumulative, add "Cuml. amt. passing (or retained)".
805	CLS_12_PCT	Class 12 %	Class 12 %		Amount (weight percent) for given class.
806	CFP11	Cfp11	Cfp11		Cumulatve frequency percent of the 11phi fraction and coarser (less than 0.001 mm).
807	CFP10	Cfp10	Cfp10		Cumulative frequency percent of the 10phi fraction and coarser (less than 0.002 mm).
808	CFP09	Cfp09	Cfp09		Cumulative frequency percent of the 9phi fraction and coarser (less than 0.004 mm).
809	CFP08	Cfp08	Cfp08		Cumulative frequency percent of the 8phi fraction and coarser (less than 0.008 mm).
810	CFP07	Cfp07	Cfp07		Cumulative frequency percent of the 7phi fraction and coarser (less than 0.0016 mm).

USGS ROW #	Short_Field_Name_10_characters_long	Medium length Field Name 25 characters long	Full Length Field Name	Chemical Abstract Number	Description of Parameter and its Fields
811	CFP06	Cfp06	Cfp06		Cumulative frequency percent of the 6phi fraction and coarser (less than 0.031 mm).
812	CFP05	Cfp05	Cfp05		Cumulative frequency percent of the 5phi fraction and coarser (less than 0.062 mm).
813	CFP04	Cfp04	Cfp04		Cumulative frequency percent of the 4phi fraction and coarser (less than 0.125 mm).
814	CFP03	Cfp03	Cfp03		Cumulative frequency percent of the 3phi fraction and coarser (less than 0.250 mm).
815	CFP02	Cfp02	Cfp02		Cumulative frequency percent of the 2phi fraction and coarser (less than 0.5 mm).
816	CFP01	Cfp01	Cfp01		Cumulative frequency percent of the 1phi fraction and coarser (less than 0.1 mm).
817	CFP00	Cfp00	Cfp00		Cumulative frequency percent of the 0phi fraction and coarser (less than 2 mm).
818	CFPM1	Cfpm1	Cfpm1		Cumulative frequency percent of the -1phi fraction and coarser (less than 4 mm).
819	CFPM2	Cfpm2	Cfpm2		Cumulative frequency percent of the -2phi fraction and coarser (less than 8 mm).
820	CFPM3	Cfpm3	Cfpm3		Cumulative frequency percent of the -3phi fraction and coarser (less than 16 mm).
821	CFPM4	Cfpm4	Cfpm4		Cumulative frequency percent of the -4phi fraction and coarser (less than 32 mm).
822	CFPM5	Cfpm5	Cfpm5		Cumulative frequency percent of the -5phi fraction and coarser (entire distribution is usually less than 64 mm).
823	SIEVE	Sieve	Sieve		Sieve analysis (s)
824	RAPID	Rapid	Rapid		Rapid sediment analyzer (r)
825	PIPETTE	Pipette	Pipette		Pipette (p)
826	COULTER	Coulter	Coulter		Coulter counter (c)
827	EXTRAPOL	Extrapol.	Extrapolation		Extrapolation (for classes finer than phi 11)
828	ANALYST	Analyst	Analyst		Name or initials of person who performed the grain size or physical properties analysis.
829	COMMENTS_O	Comments on size analysis	Comments on size analysis		Any further information about analysis for all or specific parameters in this table.
WORKING DICTIONARY					
830	ABUNITS	Abbreviation for units	Abbreviation for units		Units and their abbreviation used in database.
831	NAVMODES	Navigational modes	List of navigational modes		List of frequently cited navigational modes.
832	DEVLIST	List of sampling devices	List of sampling devices		List of sampling devices.
833	REFNAMES	Journal or ref names	List of journal or reference names		List of frequently cited journal or reference names.
834	ABREFS	Journal or ref names abb	Abbreviation for journal or reference names		Abbreviation used in database for journal or reference names.
835	METHODS	Analytical methods	List of analytical methods		List of frequently cited analytical methods and their abbreviations.
836	FREQITEM	Frequently cited items	Additional frequently cited items		Add columns as necessary to keep a listing of the full name for anything that the DATA ENTRY person wishes to enter in the database in a shortened version.
837	INITIALS	Data entry initials	Data entry initials		Initials and names of data entry persons used in database.
838	AREA_CODE	Area Codes	Codes for sample location		Codes used in database for area that sample is located in. Codes may be changed by the user.
839	DEPT_CODE	Depth Codes	Codes for sample depth		Codes used in database for depth in sediment of sample. Codes may be changed by the user.
840	TAG_CODE	Field-Tag Codes	Codes for tagged data		Codes for data that has been tagged as needing further investigation because of either missing values, questionable data, or inconsistencies. After resolution, tag is converted to entry in appropriate comments field.
841	ID_ASSIGN	ID assignments	Unique ID No. Assignments		Unique ID No. Assignments.
842	AGENCIES	Agency abbreviations	Agency abbreviations		Agencies and their abbreviation used in database.
843	NEW_FLDS	List of new fields	List of fields added by data entry person		Name of any fields added to the database format during data entry to accommodate parameters not included in the database.
844	PLNEWFLD	Placement of added fields	Placement of added fields		Name of table, category, and nearest fields in the database for an added field. Also the Unique ID No. or Local Row No. and initials of data entry person at time of addition.
845	DEL_FLDS	List of deleted fields	List of deleted fields		Name of any fields deleted from the database format during data entry.
846	PCBLIST	List of PCBs	List of PCBs		List of all PCBs and their alternate names in the organics section of the database.
847	QUAL	Qualifiers	Qualifiers		Listing of comments/qualifiers commonly used throughout the database.