

August 3rd, 2017

Theodore Yen  
ALS Group USA Corp dba ALS Environmental  
10450 Stancliff Road, Suite 210  
Houston, TX 77099-4338

Dear Theodore Yen:

We are granting an extension to your current accreditation so that we can process your application without your laboratory losing certification with the State of Kansas. If you have any concerns or problems you can contact me at (785) 291-3162 or email me at [sara.hoffman@ks.gov](mailto:sara.hoffman@ks.gov).

Please allow this letter to stand as proof that ALS Group USA Corp E-10352 has continued accreditation until September 30st, 2017. We will update our database to reflect this change as well.

Regards,



Sara Hoffman  
Section Chief  
Quality, Preparedness and Certifications Section



**STATE OF KANSAS**  
DEPARTMENT OF HEALTH AND ENVIRONMENT  
**CERTIFICATE**



This is to certify that Certificate No. E-10352

ALS Group USA Corp dba ALS Environmental  
10450 Stancliff Road, Suite 210  
Houston, TX 77099-4338

has been accredited in accordance with K.S.A. 65-1,109a under the standards adopted in K.A.R. 28-15-36 for performing environmental analyses for the parameters listed on the attached form. Continuous accreditation depends on successful, ongoing participation in the program. Clients are urged to verify with this agency the laboratory's certification status for particular methods and analytes.

EFFECTIVE DATE: 08/01/2016

EXPIRATION DATE: 07/31/2017

Handwritten signature of Susan K. Mosier in black ink.

Secretary  
Department of Health and Environment

Handwritten signature of the Section Chief in blue ink.

Section chief  
Environmental Laboratory Certifications

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
SAFE DRINKING WATER ACT PROGRAM - DRINKING WATER MATRIX

PAGE: 1

**This certificate supersedes all previous certificates**

**ALS Group USA Corp dba ALS Environmental  
10450 Stancliff Road, Suite 210  
Houston, TX 77099-4338**

**Certificate Number: E-10352  
Effective Date: 08/01/2016  
Expiration Date: 07/31/2017  
Reciprocity:**

**The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:**

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC/MS)  
{EPA 1613} 2,3,7,8-Tetrachlorodibenzo-p-dioxin**

**End of Parameter List**



KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

PAGE: 1

**This certificate supersedes all previous certificates**

ALS Group USA Corp dba ALS Environmental  
10450 Stancliff Road, Suite 210  
Houston, TX 77099-4338

Certificate Number: E-10352  
Effective Date: 08/01/2016  
Expiration Date: 07/31/2017  
Reciprocity: TX

The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:

**\*\*DEMANDS**

BOD {SM 5210 B}  
cBOD {SM 5210 B}  
COD {EPA 410.4}  
COD {HACH 8000}  
Oxygen, Dissolved {SM 4500-O G}  
Total Organic Carbon {SM 5310 B, C, or D}

**\*\*METALS**

Aluminum {EPA 200.8}  
Antimony {EPA 200.8}  
Arsenic {EPA 200.8}  
Barium {EPA 200.8}  
Beryllium {EPA 200.8}  
Boron {EPA 200.8}  
Cadmium {EPA 200.8}  
Calcium {EPA 200.8}  
Chromium {EPA 200.8}  
Chromium, VI {SM 3500-Cr B}  
Cobalt {EPA 200.8}  
Copper {EPA 200.8}  
Iron {EPA 200.8}  
Lead {EPA 200.8}  
Magnesium {EPA 200.8}  
Manganese {EPA 200.8}  
Mercury {EPA 245.1}  
Molybdenum {EPA 200.8}  
Nickel {EPA 200.8}  
Potassium {EPA 200.8}  
Selenium {EPA 200.8}  
Silica, Dissolved {SM 4500-SiO2 D (18th, 19th)}  
Silver {EPA 200.8}  
Sodium {EPA 200.8}  
Thallium {EPA 200.8}  
Tin {EPA 200.8}  
Titanium {EPA 200.8}  
Vanadium {EPA 200.8}  
Zinc {EPA 200.8}

**\*\*METALS - 503 Regs**

Arsenic {EPA 6020}  
Cadmium {EPA 6020}  
Chromium, Total {EPA 6020}  
Copper {EPA 6020}  
Lead {EPA 6020}  
Mercury {EPA 7470}  
Molybdenum {EPA 6020}  
Nickel {EPA 6020}  
Selenium {EPA 6020}  
Zinc {EPA 6020}

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

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**\*\*MINERALS**

Acidity {SM 2310 B}  
Alkalinity {SM 2320 B}  
Chloride {EPA 300.0}  
Fluoride {EPA 300.0}  
Hardness {SM 2340 B or C}  
Sulfate {EPA 300.0}  
Sulfide {SM 4500-S-2 D}  
Sulfide {SM 4500-S-2 F}  
Sulfite {SM 4500-SO3-2 B}

**\*\*MISCELLANEOUS**

Available Cyanide {SM 4500-CN G}  
Bromide {EPA 300.0}  
Chlorine - Total {SM 4500-Cl F}  
Color {SM 2120 B}  
Conductivity {EPA 120.1}  
Conductivity {SM 2510 B}  
Cyanide {EPA 335.4}  
Cyanide {SM 4500-CN C}  
Cyanide {SM 4500-CN E}  
Hydrogen Ion (pH) {SM 4500-H B}  
Oil & Grease {EPA 1664}  
Phenolics {EPA 420.1}  
Phenolics {EPA 420.4}  
Surfactants {SM 5540 C}  
Turbidity {EPA 180.1}

**\*\*NUTRIENTS**

Ammonia {SM 4500-NH3 D or E}  
K Nitrogen {SM 4500-NH3 D or E}  
Nitrate-Nitrite {EPA 300.0}  
Nitrate {EPA 300.0}  
Nitrite {EPA 300.0}  
Organic-Nitrogen {TKN-NH3-CAL}  
Ortho-phosphate {EPA 300.0}  
Ortho-phosphate {EPA 365.3}  
Phosphorus {EPA 365.3}

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC)**

{EPA 602} Benzene  
{EPA 602} Ethylbenzene  
{EPA 602} Toluene

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC/MS)**

{EPA 624} 1,1-Dichloroethane  
{EPA 624} 1,1-Dichloroethene  
{EPA 624} 1,1,1-Trichloroethane  
{EPA 624} 1,1,2-Trichloroethane  
{EPA 624} 1,1,2,2-Tetrachloroethane  
{EPA 624} 1,2-Dichlorobenzene  
{EPA 624} 1,2-Dichloroethane  
{EPA 624} 1,2-Dichloropropane  
{EPA 624} 1,3-Dichlorobenzene  
{EPA 624} 1,4-Dichlorobenzene  
{EPA 624} 2-Chloroethyl vinyl ether  
{EPA 624} Acrolein  
{EPA 624} Acrylonitrile  
{EPA 624} Benzene  
{EPA 624} Bromodichloromethane  
{EPA 624} Bromoform

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

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{EPA 624} Bromomethane (Methyl bromide)  
{EPA 624} Carbon tetrachloride  
{EPA 624} Chlorobenzene  
{EPA 624} Chloroethane  
{EPA 624} Chloroform  
{EPA 624} Chloromethane (Methyl chloride)  
{EPA 624} cis-1,3-Dichloropropene  
{EPA 624} Dibromochloromethane  
{EPA 624} Ethylbenzene  
{EPA 624} Methylene chloride (Dichloromethane)  
{EPA 624} Tetrachloroethene (Perchloroethylene)  
{EPA 624} Toluene  
{EPA 624} trans-1,2-Dichloroethene  
{EPA 624} trans-1,3-Dichloropropene  
{EPA 624} Trichloroethene (Trichloroethylene)  
{EPA 624} Trichlorofluoromethane  
{EPA 624} Vinyl chloride

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC)**

{EPA 608} 4,4'-DDD  
{EPA 608} 4,4'-DDE  
{EPA 608} 4,4'-DDT  
{EPA 608} Aldrin  
{EPA 608} alpha-BHC (alpha-Hexachlorocyclohexane)  
{EPA 608} beta-BHC (beta-Hexachlorocyclohexane)  
{EPA 608} Chlordane  
{EPA 608} delta-BHC  
{EPA 608} Dieldrin  
{EPA 608} Endosulfan I  
{EPA 608} Endosulfan II  
{EPA 608} Endosulfan Sulfate  
{EPA 608} Endrin  
{EPA 608} Endrin aldehyde  
{EPA 608} gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)  
{EPA 608} Heptachlor  
{EPA 608} Heptachlor epoxide  
{EPA 608} PCB-1016  
{EPA 608} PCB-1221  
{EPA 608} PCB-1232  
{EPA 608} PCB-1242  
{EPA 608} PCB-1248  
{EPA 608} PCB-1254  
{EPA 608} PCB-1260  
{EPA 608} Toxaphene

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC/MS)**

{EPA 1613B} 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  
{EPA 1613B} 1,2,3,4,6,7,8-Heptachlorodibenzofuran  
{EPA 1613B} 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin  
{EPA 1613B} 1,2,3,4,7,8-Hexachlorodibenzofuran  
{EPA 1613B} 1,2,3,4,7,8,9-Heptachlorodibenzofuran  
{EPA 1613B} 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin  
{EPA 1613B} 1,2,3,6,7,8-Hexachlorodibenzofuran  
{EPA 1613B} 1,2,3,7,8-Pentachlorodibenzo-p-dioxin  
{EPA 1613B} 1,2,3,7,8-Pentachlorodibenzofuran  
{EPA 1613B} 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin  
{EPA 1613B} 1,2,3,7,8,9-Hexachlorodibenzofuran  
{EPA 1613B} 2,3,4,6,7,8-Hexachlorodibenzofuran  
{EPA 1613B} 2,3,4,7,8-Pentachlorodibenzofuran  
{EPA 1613B} 2,3,7,8-Tetrachlorodibenzo-p-dioxin  
{EPA 1613B} 2,3,7,8-Tetrachlorodibenzofuran

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

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{EPA 1613B} Octachlorodibenzo-p-dioxin  
{EPA 1613B} Octachlorodibenzofuran  
{EPA 625} 1,2,4-Trichlorobenzene  
{EPA 625} 2-Chloronaphthalene  
{EPA 625} 2-Chlorophenol  
{EPA 625} 2-Methyl-4,6-dinitrophenol  
{EPA 625} 2-Nitrophenol  
{EPA 625} 2,2'-Oxybis(1-chloropropane)  
{EPA 625} 2,4-Dichlorophenol  
{EPA 625} 2,4-Dimethylphenol  
{EPA 625} 2,4-Dinitrophenol  
{EPA 625} 2,4-Dinitrotoluene (2,4-DNT)  
{EPA 625} 2,4,6-Trichlorophenol  
{EPA 625} 2,6-Dinitrotoluene  
{EPA 625} 3,3'-Dichlorobenzidine  
{EPA 625} 4-Bromophenyl phenyl ether  
{EPA 625} 4-Chloro-3-methylphenol  
{EPA 625} 4-Chlorophenyl phenyl ether  
{EPA 625} 4-Nitrophenol  
{EPA 625} Acenaphthene  
{EPA 625} Acenaphthylene  
{EPA 625} Anthracene  
{EPA 625} Benzidine  
{EPA 625} Benzo(a)anthracene  
{EPA 625} Benzo(a)pyrene  
{EPA 625} Benzo(b)fluoranthene  
{EPA 625} Benzo(g,h,i)perylene  
{EPA 625} Benzo(k)fluoranthene  
{EPA 625} Benzyl butyl phthalate  
{EPA 625} Bis(2-chloroethoxy)methane  
{EPA 625} Bis(2-chloroethyl)ether  
{EPA 625} Bis(2-ethylhexyl)phthalate  
{EPA 625} Chrysene  
{EPA 625} Di-n-butyl phthalate  
{EPA 625} Di-n-octyl phthalate  
{EPA 625} Dibenzo(a,h)anthracene  
{EPA 625} Diethyl phthalate  
{EPA 625} Dimethyl phthalate  
{EPA 625} Fluoranthene  
{EPA 625} Fluorene  
{EPA 625} Hexachlorobenzene  
{EPA 625} Hexachlorobutadiene  
{EPA 625} Hexachlorocyclopentadiene  
{EPA 625} Hexachloroethane  
{EPA 625} Indeno(1,2,3-cd) pyrene  
{EPA 625} Isophorone  
{EPA 625} N-nitroso-di-n-propylamine (NDPA)  
{EPA 625} N-nitrosodimethylamine (NDMA)  
{EPA 625} N-Nitrosodiphenylamine  
{EPA 625} Naphthalene  
{EPA 625} Nitrobenzene  
{EPA 625} Pentachlorophenol  
{EPA 625} Phenanthrene  
{EPA 625} Phenol  
{EPA 625} Pyrene

**\*\*RESIDUES**

Residue, Filterable (TDS) {SM 2540 C}  
Residue, Non Filterable (TSS) {SM 2540 D}  
Residue, Total {SM 2540 B}  
Residue, Volatile {EPA 160.4}

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT  
ENVIRONMENTAL LABORATORY ACCREDITATION  
CLEAN WATER ACT PROGRAM - NON-POTABLE WATER MATRIX

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**\*\*SUPPLEMENTAL**  
**(EPA 8011) 1,2,3-Trichloropropane**

**End of Parameter List**



RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

**This certificate supersedes all previous certificates**

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10450 Stancliff Road, Suite 210  
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**Certificate Number: E-10352  
Effective Date: 08/01/2016  
Expiration Date: 07/31/2017  
Reciprocity: TX**

**The laboratory listed above is hereby approved for environmental laboratory accreditation in accordance with K.S.A. 65-1, 109a for the following:**

**\*\*CHARACTERISTICS**

**Ignitability {EPA 1010}  
Ignitability {EPA 1030}  
Synthetic-Precipitation Leaching Procedure {EPA 1312}  
Toxic-Characteristic-Leaching Procedure {EPA 1311}**

**\*\*DEMANDS**

**Total Organic Carbon {EPA 9060}**

**\*\*METALS**

**Aluminum {EPA 6020}  
Antimony {EPA 6020}  
Arsenic {EPA 6020}  
Barium {EPA 6020}  
Beryllium {EPA 6020}  
Cadmium {EPA 6020}  
Calcium {EPA 6020}  
Chromium {EPA 6020}  
Chromium, VI {EPA 7196}  
Cobalt {EPA 6020}  
Copper {EPA 6020}  
Iron {EPA 6020}  
Lead {EPA 6020}  
Magnesium {EPA 6020}  
Manganese {EPA 6020}  
Mercury {EPA 7470}  
Mercury {EPA 7471}  
Nickel {EPA 6020}  
Potassium {EPA 6020}  
Selenium {EPA 6020}  
Silver {EPA 6020}  
Sodium {EPA 6020}  
Thallium {EPA 6020}  
Vanadium {EPA 6020}  
Zinc {EPA 6020}**

**\*\*MINERALS**

**Bromide {EPA 9056}  
Chloride {EPA 9056}  
Fluoride {EPA 9056}  
Sulfate {EPA 9056}**

**\*\*MISCELLANEOUS**

**Conductivity {EPA 9050}  
Cyanide {EPA 9012}  
Cyanide {EPA 9014}  
Cyanide, Amenable to CL {EPA 9012}  
Hydrogen Ion (pH) {EPA 9040}  
Hydrogen Ion (pH) {EPA 9045}  
Oil & Grease {EPA 9071}**

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

Paint Filter Liquids Test (EPA 9095)  
Phenolics (EPA 9065)  
Phenolics (EPA 9066)

**\*\*NUTRIENTS**

Nitrate (EPA 9056)  
Nitrite (EPA 9056)  
Ortho-phosphate (EPA 9056)

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC)**

{EPA 8015} 1-Propanol  
{EPA 8015} Ethanol  
{EPA 8015} Ethylene glycol  
{EPA 8015} Isobutyl Alcohol  
{EPA 8015} Isopropanol  
{EPA 8015} Methanol  
{EPA 8015} n-Butyl alcohol  
{EPA 8015} t-Butyl alcohol  
{EPA 8021} Benzene  
{EPA 8021} Ethylbenzene  
{EPA 8021} meta-Xylene  
{EPA 8021} ortho-Xylene  
{EPA 8021} para-Xylene  
{EPA 8021} Toluene

**\*\*ORGANIC CHEMISTRY VOLATILES (MEASUREMENT BY GC/MS)**

{EPA 8260} 1-Chlorohexane  
{EPA 8260} 1-Propanol  
{EPA 8260} 1,1-Dichloroethane  
{EPA 8260} 1,1-Dichloroethene  
{EPA 8260} 1,1-Dichloropropene  
{EPA 8260} 1,1,1-Trichloroethane  
{EPA 8260} 1,1,1,2-Tetrachloroethane  
{EPA 8260} 1,1,2-Trichloroethane  
{EPA 8260} 1,1,2,2-Tetrachloroethane  
{EPA 8260} 1,2-Dichlorobenzene  
{EPA 8260} 1,2-Dichloroethane  
{EPA 8260} 1,2-Dichloropropane  
{EPA 8260} 1,2,3-Trichlorobenzene  
{EPA 8260} 1,2,3-Trichloropropane  
{EPA 8260} 1,2,4-Trichlorobenzene  
{EPA 8260} 1,2,4-Trimethylbenzene  
{EPA 8260} 1,3-Dichlorobenzene  
{EPA 8260} 1,3-Dichloropropane  
{EPA 8260} 1,3,5-Trimethylbenzene  
{EPA 8260} 1,4-Dichlorobenzene  
{EPA 8260} 1,4-Dioxane  
{EPA 8260} 2-Chloro-1,3-butadiene  
{EPA 8260} 2-Chloroethyl vinyl ether  
{EPA 8260} 2-Chlorotoluene  
{EPA 8260} 2-Hexanone  
{EPA 8260} 2-Pentanone  
{EPA 8260} 2-Propanol  
{EPA 8260} 2,2-Dichloropropane  
{EPA 8260} 4-Chlorotoluene  
{EPA 8260} 4-Isopropyltoluene  
{EPA 8260} 4-Methyl-2-Pentanone (MIBK)  
{EPA 8260} Acetone  
{EPA 8260} Acetonitrile  
{EPA 8260} Acrolein  
{EPA 8260} Acrylonitrile

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8260} Allyl alcohol  
 {EPA 8260} Allyl Chloride  
 {EPA 8260} Benzene  
 {EPA 8260} Benzyl chloride  
 {EPA 8260} Bromobenzene  
 {EPA 8260} Bromochloromethane  
 {EPA 8260} Bromodichloromethane  
 {EPA 8260} Bromoform  
 {EPA 8260} Bromomethane (Methyl bromide)  
 {EPA 8260} Carbon disulfide  
 {EPA 8260} Carbon tetrachloride  
 {EPA 8260} Chlorobenzene  
 {EPA 8260} Chloroethane  
 {EPA 8260} Chloroform  
 {EPA 8260} Chloromethane (Methyl chloride)  
 {EPA 8260} cis-1,2-Dichloroethylene  
 {EPA 8260} cis-1,3-Dichloropropene  
 {EPA 8260} Dibromochloromethane  
 {EPA 8260} Dibromochloropropane (DBCP)  
 {EPA 8260} Dibromofluoromethane  
 {EPA 8260} Dibromomethane  
 {EPA 8260} Dichlorodifluoromethane  
 {EPA 8260} Dichloromethane (Methylene chloride)  
 {EPA 8260} Diethyl ether  
 {EPA 8260} Epichlorohydrin  
 {EPA 8260} Ethanol  
 {EPA 8260} Ethyl acetate  
 {EPA 8260} Ethyl methacrylate  
 {EPA 8260} Ethylbenzene  
 {EPA 8260} Ethylene dibromide (EDB, 1,2-Dibromoethane)  
 {EPA 8260} Ethylene oxide  
 {EPA 8260} Hexachlorobutadiene  
 {EPA 8260} Iodomethane  
 {EPA 8260} Isobutyl Alcohol  
 {EPA 8260} Isopropylbenzene  
 {EPA 8260} meta-Xylene  
 {EPA 8260} Methacrylonitrile  
 {EPA 8260} Methyl acrylate  
 {EPA 8260} Methyl ethyl ketone  
 {EPA 8260} Methyl tert-butyl ether (MTBE)  
 {EPA 8260} Methylmethacrylate  
 {EPA 8260} n-Butyl alcohol  
 {EPA 8260} n-Butylbenzene  
 {EPA 8260} n-Propylbenzene  
 {EPA 8260} Naphthalene  
 {EPA 8260} ortho-Xylene  
 {EPA 8260} para-Xylene  
 {EPA 8260} Pentachloroethane  
 {EPA 8260} Propionitrile  
 {EPA 8260} Pyridine  
 {EPA 8260} sec-Butylbenzene  
 {EPA 8260} Styrene  
 {EPA 8260} t-Butyl alcohol  
 {EPA 8260} tert-Butylbenzene  
 {EPA 8260} Tetrachloroethene (Perchloroethylene)  
 {EPA 8260} Toluene  
 {EPA 8260} trans-1,2-Dichloroethylene  
 {EPA 8260} trans-1,3-Dichloropropene  
 {EPA 8260} trans-1,4-Dichloro-2-butene  
 {EPA 8260} Trichloroethene (Trichloroethylene)  
 {EPA 8260} Trichlorofluoromethane

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8260} Vinyl Acetate  
{EPA 8260} Vinyl chloride

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC)**

{EPA 8011} Dibromochloropropane (DBCP)  
{EPA 8011} Ethylene dibromide (EDB, 1,2-Dibromoethane)  
{EPA 8081} 4,4'-DDD  
{EPA 8081} 4,4'-DDE  
{EPA 8081} 4,4'-DDT  
{EPA 8081} Aldrin  
{EPA 8081} alpha-BHC (alpha-Hexachlorocyclohexane)  
{EPA 8081} alpha-Chlordane  
{EPA 8081} beta-BHC (beta-Hexachlorocyclohexane)  
{EPA 8081} Chlordane (Tech)  
{EPA 8081} delta-BHC  
{EPA 8081} Dieldrin  
{EPA 8081} Endosulfan I  
{EPA 8081} Endosulfan II  
{EPA 8081} Endosulfan Sulfate  
{EPA 8081} Endrin  
{EPA 8081} Endrin aldehyde  
{EPA 8081} Endrin ketone  
{EPA 8081} g-Chlordane  
{EPA 8081} gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)  
{EPA 8081} Heptachlor  
{EPA 8081} Heptachlor epoxide  
{EPA 8081} Hexachlorobenzene  
{EPA 8081} Methoxychlor  
{EPA 8081} Mirex  
{EPA 8081} Toxaphene  
{EPA 8082} PCB-1016  
{EPA 8082} PCB-1221  
{EPA 8082} PCB-1232  
{EPA 8082} PCB-1242  
{EPA 8082} PCB-1248  
{EPA 8082} PCB-1254  
{EPA 8082} PCB-1260  
{EPA 8151} 2,4-D  
{EPA 8151} 2,4-DB  
{EPA 8151} 2,4,5-T  
{EPA 8151} 2,4,5-TP (Silvex)  
{EPA 8151} Dalapon  
{EPA 8151} Dicamba  
{EPA 8151} Dichlorprop  
{EPA 8151} Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)  
{EPA 8151} MCPA  
{EPA 8151} MCPP

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY GC/MS)**

{EPA 8270} 1-Chloronaphthalene  
{EPA 8270} 1-Naphthylamine  
{EPA 8270} 1,2-Dichlorobenzene  
{EPA 8270} 1,2-Dinitrobenzene  
{EPA 8270} 1,2-Diphenylhydrazine  
{EPA 8270} 1,2,4-Trichlorobenzene  
{EPA 8270} 1,2,4,5-Tetrachlorobenzene  
{EPA 8270} 1,3-Dichlorobenzene  
{EPA 8270} 1,3-Dinitrobenzene  
{EPA 8270} 1,3,5-Trinitrobenzene  
{EPA 8270} 1,4-Dichlorobenzene  
{EPA 8270} 1,4-Dinitrobenzene

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8270} 1,4-Naphthoquinone  
 {EPA 8270} 1,4-Phenylenediamine  
 {EPA 8270} 2-Acetylaminofluorene  
 {EPA 8270} 2-Chloronaphthalene  
 {EPA 8270} 2-Chlorophenol  
 {EPA 8270} 2-Methyl-4,6-Dinitrophenol  
 {EPA 8270} 2-Methylnaphthalene  
 {EPA 8270} 2-Methylphenol (o-Cresol)  
 {EPA 8270} 2-Naphthylamine  
 {EPA 8270} 2-Nitroaniline  
 {EPA 8270} 2-Nitrophenol  
 {EPA 8270} 2-Picoline  
 {EPA 8270} 2,3,4,6-Tetrachlorophenol  
 {EPA 8270} 2,4-Diaminotoluene  
 {EPA 8270} 2,4-Dichlorophenol  
 {EPA 8270} 2,4-Dimethylphenol  
 {EPA 8270} 2,4-Dinitrophenol  
 {EPA 8270} 2,4-Dinitrotoluene (2,4-DNT)  
 {EPA 8270} 2,4,5-Trichlorophenol  
 {EPA 8270} 2,4,5-Trimethylaniline  
 {EPA 8270} 2,4,6-Trichlorophenol  
 {EPA 8270} 2,6-Dichlorophenol  
 {EPA 8270} 2,6-Dinitrotoluene  
 {EPA 8270} 3-Methylcholanthrene  
 {EPA 8270} 3-Methylphenol (m-Cresol)  
 {EPA 8270} 3-Nitroaniline  
 {EPA 8270} 3,3'-Dichlorobenzidine  
 {EPA 8270} 3,3'-Dimethylbenzidine  
 {EPA 8270} 4-Aminobiphenyl  
 {EPA 8270} 4-Bromophenyl phenyl ether  
 {EPA 8270} 4-Chloro-3-methylphenol  
 {EPA 8270} 4-Chloroaniline  
 {EPA 8270} 4-Chlorophenyl phenyl ether  
 {EPA 8270} 4-Methylphenol (p-Cresol)  
 {EPA 8270} 4-Nitroaniline  
 {EPA 8270} 4-Nitrobiphenyl  
 {EPA 8270} 4-Nitrophenol  
 {EPA 8270} 5-Chloro-2-methylaniline  
 {EPA 8270} 5-Nitro-o-toluidine  
 {EPA 8270} 7,12-Dimethylbenz(a)anthracene  
 {EPA 8270} Acenaphthene  
 {EPA 8270} Acenaphthylene  
 {EPA 8270} Acetophenone  
 {EPA 8270} alpha-alpha-Dimethylphenethylamine  
 {EPA 8270} Aniline  
 {EPA 8270} Anthracene  
 {EPA 8270} Aramite  
 {EPA 8270} Azinphos-methyl (Guthion)  
 {EPA 8270} Benzidine  
 {EPA 8270} Benzoic acid  
 {EPA 8270} Benzo(a)anthracene  
 {EPA 8270} Benzo(a)pyrene  
 {EPA 8270} Benzo(b)fluoranthene  
 {EPA 8270} Benzo(g,h,i)perylene  
 {EPA 8270} Benzo(k)fluoranthene  
 {EPA 8270} Benzyl alcohol  
 {EPA 8270} Bis(2-chloroethoxy)methane  
 {EPA 8270} Bis(2-chloroethyl)ether  
 {EPA 8270} Bis(2-chloroisopropyl)ether  
 {EPA 8270} Bis(2-ethylhexyl)phthalate  
 {EPA 8270} Butyl benzyl phthalate

RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

{EPA 8270} Captan  
 {EPA 8270} Carbaryl [Sevin]  
 {EPA 8270} Carbophenothion  
 {EPA 8270} Chlorobenzilate  
 {EPA 8270} Chrysene  
 {EPA 8270} Coumaphos  
 {EPA 8270} Demeton-o  
 {EPA 8270} Demeton-s  
 {EPA 8270} Di-n-butyl phthalate  
 {EPA 8270} Di-n-octyl phthalate  
 {EPA 8270} Diallyate  
 {EPA 8270} Dibenzofuran  
 {EPA 8270} Dibenzo(a,h)anthracene  
 {EPA 8270} Dibenz(a,j)acridine  
 {EPA 8270} Dibromochloropropane (DBCP)  
 {EPA 8270} Dichlorovos (DDVP, Dichlorvos)  
 {EPA 8270} Diethyl phthalate  
 {EPA 8270} Dimethoate  
 {EPA 8270} Dimethyl phthalate  
 {EPA 8270} Dimethylaminoazobenzene  
 {EPA 8270} Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)  
 {EPA 8270} Dioxathion  
 {EPA 8270} Diphenylamine  
 {EPA 8270} Disulfoton  
 {EPA 8270} Ethion  
 {EPA 8270} Ethyl methanesulfonate  
 {EPA 8270} Famphur  
 {EPA 8270} Fluoranthene  
 {EPA 8270} Fluorene  
 {EPA 8270} Hexachlorobenzene  
 {EPA 8270} Hexachlorobutadiene  
 {EPA 8270} Hexachlorocyclopentadiene  
 {EPA 8270} Hexachloroethane  
 {EPA 8270} Hexachlorophene  
 {EPA 8270} Hexachloropropene  
 {EPA 8270} Indeno(1,2,3-cd) pyrene  
 {EPA 8270} Isodrin  
 {EPA 8270} Isophorone  
 {EPA 8270} Isosafrole  
 {EPA 8270} Kepone  
 {EPA 8270} Malathion  
 {EPA 8270} Malic anhydride  
 {EPA 8270} Methapyrilene  
 {EPA 8270} Methylmethanesulfonate  
 {EPA 8270} Mevinphos  
 {EPA 8270} N-nitroso-di-n-butylamine (NDBA)  
 {EPA 8270} N-nitroso-di-n-propylamine (NDPA)  
 {EPA 8270} N-nitrosodiethylamine (NDEA)  
 {EPA 8270} N-nitrosodimethylamine (NDMA)  
 {EPA 8270} N-Nitrosodiphenylamine  
 {EPA 8270} N-Nitrosomethylethylamine  
 {EPA 8270} N-Nitrosomorpholine  
 {EPA 8270} N-Nitrosopiperidine  
 {EPA 8270} N-Nitrosopyrrolidine  
 {EPA 8270} Naled  
 {EPA 8270} Naphthalene  
 {EPA 8270} Nitrobenzene  
 {EPA 8270} Nitroquinoline-1-oxide  
 {EPA 8270} o-Anisidine  
 {EPA 8270} o-Toluidine  
 {EPA 8270} O,O,O-Triethylphosphorothioate



RCRA PROGRAM - NON-POTABLE WATER AND SOLID/CHEMICAL WASTE MATRICES

- {EPA 8270} p-Cresidine
- {EPA 8270} Parathion ethyl
- {EPA 8270} Parathion methyl
- {EPA 8270} Pentachlorobenzene
- {EPA 8270} Pentachloronitrobenzene (PCNB)
- {EPA 8270} Pentachlorophenol
- {EPA 8270} Phenacetin
- {EPA 8270} Phenanthrene
- {EPA 8270} Phenol
- {EPA 8270} Phorate
- {EPA 8270} Phosmet (Imidan)
- {EPA 8270} Phthalic anhydride
- {EPA 8270} Pronamide (Kerb)
- {EPA 8270} Pyrene
- {EPA 8270} Pyridine
- {EPA 8270} Resorcinol
- {EPA 8270} Safrole
- {EPA 8270} Terbufos
- {EPA 8270} Tetrachlorvinphos (Stirophos, Gardona)
- {EPA 8270} Tetraethyl dithiopyrophosphate (Sulfotepp)
- {EPA 8270} Thionazine
- {EPA 8270} Thiophenol
- {EPA 8270} Toluene diisocyanate
- {EPA 8270} Trifluralin (Treflan)
- {EPA 8280} 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
- {EPA 8280} 1,2,3,4,6,7,8-Heptachlorodibenzofuran
- {EPA 8280} 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
- {EPA 8280} 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
- {EPA 8280} 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
- {EPA 8280} 1,2,3,4,7,8-Hexachlorodibenzofuran
- {EPA 8280} 1,2,3,4,7,8,9-Heptachlorodibenzofuran
- {EPA 8280} 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
- {EPA 8280} 1,2,3,6,7,8-Hexachlorodibenzofuran
- {EPA 8280} 1,2,3,7,8-Pentachlorodibenzo-p-dioxin
- {EPA 8280} 1,2,3,7,8-Pentachlorodibenzofuran
- {EPA 8280} 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
- {EPA 8280} 1,2,3,7,8,9-Hexachlorodibenzofuran
- {EPA 8280} 2,3,4,6,7,8-Hexachlorodibenzofuran
- {EPA 8280} 2,3,4,7,8-Pentachlorodibenzofuran
- {EPA 8280} 2,3,7,8-Tetrachlorodibenzo-p-dioxin
- {EPA 8280} 2,3,7,8-Tetrachlorodibenzofuran
- {EPA 8280} Total Heptachlorodibenzo-p-dioxin
- {EPA 8280} Total Heptachlorodibenzofuran
- {EPA 8280} Total Hexachlorodibenzo-p-dioxin
- {EPA 8280} Total Hexachlorodibenzofuran
- {EPA 8280} Total Pentachlorodibenzo-p-dioxin
- {EPA 8280} Total Pentachlorodibenzofuran
- {EPA 8280} Total Tetrachlorodibenzo-p-dioxin
- {EPA 8280} Total Tetrachlorodibenzofuran
- {EPA 8290} 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
- {EPA 8290} 1,2,3,4,6,7,8-Heptachlorodibenzofuran
- {EPA 8290} 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
- {EPA 8290} 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
- {EPA 8290} 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
- {EPA 8290} 1,2,3,4,7,8-Hexachlorodibenzofuran
- {EPA 8290} 1,2,3,4,7,8,9-Heptachlorodibenzofuran
- {EPA 8290} 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
- {EPA 8290} 1,2,3,6,7,8-Hexachlorodibenzofuran
- {EPA 8290} 1,2,3,7,8-Pentachlorodibenzo-p-dioxin
- {EPA 8290} 1,2,3,7,8-Pentachlorodibenzofuran
- {EPA 8290} 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)

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{EPA 8290} 1,2,3,7,8,9-Hexachlorodibenzofuran  
{EPA 8290} 2,3,4,6,7,8-Hexachlorodibenzofuran  
{EPA 8290} 2,3,4,7,8-Pentachlorodibenzofuran  
{EPA 8290} 2,3,7,8-Tetrachlorodibenzo-p-dioxin  
{EPA 8290} 2,3,7,8-Tetrachlorodibenzofuran  
{EPA 8290} Total Heptachlorodibenzo-p-dioxin  
{EPA 8290} Total Heptachlorodibenzofuran  
{EPA 8290} Total Hexachlorodibenzo-p-dioxin  
{EPA 8290} Total Hexachlorodibenzofuran  
{EPA 8290} Total Pentachlorodibenzo-p-dioxin  
{EPA 8290} Total Pentachlorodibenzofurane  
{EPA 8290} Total Tetrachlorodibenzo-p-dioxin  
{EPA 8290} Total Tetrachlorodibenzofuran

**\*\*ORGANIC CHEMISTRY (MEASUREMENT BY HPLC)**

{EPA 8315} Formaldehyde  
{EPA 8316} Acrylamide  
{EPA 8330} 1,3-Dinitrobenzene  
{EPA 8330} 1,3,5-Trinitrobenzene  
{EPA 8330} 2-Amino-4,6-dinitrotoluene  
{EPA 8330} 2-Nitrotoluene (ortho-Nitrotoluene)  
{EPA 8330} 2,4-Dinitrotoluene (2,4-DNT)  
{EPA 8330} 2,4,6-Trinitrotoluene (TNT)  
{EPA 8330} 2,6-Dinitrotoluene  
{EPA 8330} 3-Nitrotoluene (meta-Nitrotoluene)  
{EPA 8330} 4-Amino-2,6-dinitrotoluene  
{EPA 8330} 4-Nitrotoluene (para-Nitrotoluene)  
{EPA 8330} Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)  
{EPA 8330} Methyl-2,4,6-trinitrophenylnitramine  
{EPA 8330} Nitrobenzene  
{EPA 8330} Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)

**\*\*SUPPLEMENTAL**

{EPA 6020} Boron  
{EPA 6020} Lithium  
{EPA 6020} Molybdenum  
{EPA 6020} Strontium  
{EPA 6020} Tin  
{EPA 8015} Propylene Glycol  
{EPA 8021} Methyl tert-butyl ether (MTBE)  
{EPA 8260} 1,1,2-Trichloro-1,2,2-trifluoroethane  
{EPA 8260} Methyl acetate  
{EPA 8270} Atrazine  
{EPA 8270} Benzo(e)pyrene  
{EPA 8270} Biphenyl  
{EPA 8270} Caprolactam  
{EPA 8270} Carbazole  
{EPA 8270} Quinoline  
{KS LRH} KS LRH  
{KS MRH/HRH} KS MRH/HRH

**\*\*TOTAL PETROLEUM HYDROCARBONS**

{EPA 8015} DRO  
{EPA 8015} GRO

**End of Parameter List**