



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SGS North America Inc. – Alaska Division
200 W Potter Dr.
Anchorage, AK 99518
Heather Hall Phone: (907)-562-2343
heather.hall@sgs.com

ENVIRONMENTAL

Valid To: December 31, 2013

Certificate Number: 2944.01

In recognition of the successful completion of the A2LA evaluation process, (including an assessment of the laboratory's compliance with ISO IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the DoD Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in the current DoD Quality Systems Manual for Environmental Laboratories) accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies

Inductively Coupled Plasma Mass Spectroscopy Gas Chromatography, Gas Chromatography/Mass Spectrometry, Ion Chromatography, Hazardous Waste Characteristics Tests, Total Organic Carbon

<u>Parameter/Analyte</u>	<u>Solid & Chemical Materials</u>	
	<u>Aqueous</u>	<u>Solid</u>
Metals		
Aluminum	EPA 6020	EPA 6020
Antimony	EPA 6020	EPA 6020
Arsenic	EPA 6020	EPA 6020
Barium	EPA 6020	EPA 6020
Beryllium	EPA 6020	EPA 6020
Boron	EPA 6020	EPA 6020
Cadmium	EPA 6020	EPA 6020
Calcium	EPA 6020	EPA 6020
Chromium	EPA 6020	EPA 6020
Cobalt	EPA 6020	EPA 6020
Copper	EPA 6020	EPA 6020
Iron	EPA 6020	EPA 6020
Lead	EPA 6020	EPA 6020
Magnesium	EPA 6020	EPA 6020
Manganese	EPA 6020	EPA 6020
Mercury	EPA 7470A	EPA 7471B
Molybdenum	EPA 6020	EPA 6020
Nickel	EPA 6020	EPA 6020
Potassium	EPA 6020	EPA 6020
Selenium	EPA 6020	EPA 6020
Silver	EPA 6020	EPA 6020

<u>Parameter/Analyte</u>	<u>Solid & Chemical Materials</u>	
	<u>Aqueous</u>	<u>Solid</u>
Sodium	EPA 6020	EPA 6020
Thallium	EPA 6020	EPA 6020
Vanadium	EPA 6020	EPA 6020
Zinc	EPA 6020	EPA 6020
Metals Digestion Methods	EPA 3010A	EPA 3050B
Toxicity Characteristic Leaching Procedure	EPA 1311	EPA 1311
<u>Nutrients</u>		
Nitrate (as N)	EPA 9056A	EPA 9056A
Nitrate-nitrite (as N)	EPA 9056A	EPA 9056A
Nitrite (as N)	EPA 9056A	EPA 9056A
<u>Demands</u>		
Total organic carbon	EPA 9060A	EPA 9060A
<u>Wet Chemistry</u>		
Bromide	EPA 9056A	EPA 9056A
Chloride	EPA 9056A	EPA 9056A
Fluoride	EPA 9056A	EPA 9056A
Sulfate	EPA 9056A	EPA 9056A
<u>Purgeable Organics (volatiles)</u>		
Acetone	EPA 8260B	EPA 8260B
Benzene	EPA 8021B EPA 8260B	EPA 8021B EPA 8260B
Bromobenzene	EPA 8260B	EPA 8260B
Bromochloromethane	EPA 8260B	EPA 8260B
Bromodichloromethane	EPA 8260B	EPA 8260B
Bromoform	EPA 8260B	EPA 8260B
Bromomethane	EPA 8260B	EPA 8260B
2-Butanone	EPA 8260B	EPA 8260B
n-Butylbenzene	EPA 8260B	EPA 8260B
sec-Butylbenzene	EPA 8260B	EPA 8260B
tert-Butylbenzene	EPA 8260B	EPA 8260B
Carbon disulfide	EPA 8260B	EPA 8260B
Carbon tetrachloride	EPA 8260B	EPA 8260B
Chlorobenzene	EPA 8260B	EPA 8260B
Chloroethane	EPA 8260B	EPA 8260B
Chloroform	EPA 8260B	EPA 8260B
Chloromethane	EPA 8260B	EPA 8260B
2-chlorotoluene	EPA 8260B	EPA 8260B
4-chlorotoluene	EPA 8260B	EPA 8260B
Dibromochloromethane	EPA 8260B	EPA 8260B
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260B	EPA 8260B
Dibromomethane	EPA 8260B	EPA 8260B
1,2-Dibromoethane (EDB)	EPA 8260B	EPA 8260B
1,2-Dichlorobenzene	EPA 8260B	EPA 8260B
1,3-Dichlorobenzene	EPA 8260B	EPA 8260B
1,4-Dichlorobenzene	EPA 8260B	EPA 8260B
Dichlorodifluoromethane	EPA 8260B	EPA 8260B
1,1-Dichloroethane	EPA 8260B	EPA 8260B
1,2-Dichloroethane	EPA 8260B	EPA 8260B
1,1-Dichloroethene	EPA 8260B	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B	EPA 8260B
trans-1,2-Dichloroethene	EPA 8260B	EPA 8260B

Parameter/Analyte	Solid & Chemical Materials	
	Aqueous	Solid
1,2-Dichloropropane	EPA 8260B	EPA 8260B
1,3-Dichloropropane	EPA 8260B	EPA 8260B
2,2-Dichloropropane	EPA 8260B	EPA 8260B
1,1-Dichloropropene	EPA 8260B	EPA 8260B
cis-1,3-Dichloropropene	EPA 8260B	EPA 8260B
trans-1,3-Dichloropropene	EPA 8260B	EPA 8260B
Ethyl benzene	EPA 8021B EPA 8260B	EPA 8021B EPA 8260B
GRO	EPA 8260B	EPA 8260B
2-Hexanone	EPA 8260B	EPA 8260B
Hexachlorobutadiene	EPA 8260B	EPA 8260B
Isopropylbenzene	EPA 8260B	EPA 8260B
4-isopropyltoluene	EPA 8260B	EPA 8260B
Methylene chloride	EPA 8260B	EPA 8260B
4-Methyl-2-pentanone	EPA 8260B	EPA 8260B
Methyl tert-butyl ether	EPA 8260B	EPA 8260B
Naphthalene	EPA 8260B	EPA 8260B
n-Propylbenzene	EPA 8260B	EPA 8260B
Styrene	EPA 8260B	EPA 8260B
1,1,1,2-Tetrachloroethane	EPA 8260B	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B	EPA 8260B
Tetrachloroethene	EPA 8260B	EPA 8260B
Toluene	EPA 8021B EPA 8260B	EPA 8021B EPA 8260B
1,2,3-Trichlorobenzene	EPA 8260B	EPA 8260B
1,2,4-Trichlorobenzene	EPA 8260B	EPA 8260B
1,1,1-Trichloroethane	EPA 8260B	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B	EPA 8260B
Trichloroethene	EPA 8260B	EPA 8260B
Trichlorofluoromethane	EPA 8260B	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B	EPA 8260B
1,2,4-Trimethylbenzene	EPA 8260B	EPA 8260B
1,3,5-Trimethylbenzene	EPA 8260B	EPA 8260B
Vinyl chloride	EPA 8260B	EPA 8260B
Xylenes, total	EPA 8021B EPA 8260B	EPA 8021B EPA 8260B
1,2-Xylene (As O –Xylene)	EPA 8021B EPA 8260B	EPA 8021B EPA 8260B
1,3-Xylene & 1,4-Xylene	EPA 8021B EPA 8260B	EPA 8021B EPA 8260B
Volatiles preparation methods Toxicity Characteristic Leaching Procedure Zero Headspace Extraction	EPA 5030B EPA 1311	EPA 5035A EPA 1311
Total Petroleum Hydrocarbons (TPH)		
Gasoline Range Organics	AK 101 (AK State Method) EPA 8015C	AK 101 (AK State Method) EPA 8015C
GRO preparation methods	EPA 5030B	EPA 5035A
Diesel Range Organics	AK 102 (AK State Method) EPA 8015C	AK 102 (AK State Method) EPA 8015C
Residual Range Organics	AK 103 (AK State Method) EPA 8015C	AK 103 (AK State Method) EPA 8015C

Peter Nhyje

<u>Parameter/Analyte</u>	<u>Solid & Chemical Materials</u>	
	<u>Aqueous</u>	<u>Solid</u>
DRO/RRO preparation methods	EPA 3520C Modified	EPA 3550C
<u>Extractable Organics (semivolatiles)</u>		
Acenaphthene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Acenaphthylene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Aniline	EPA 8270D	EPA 8270D
Anthracene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Azobenzene	EPA 8270D	EPA 8270D
Benzoic acid	EPA 8270D	EPA 8270D
Benzo (a) anthracene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Benzo (b) fluoranthene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Benzo (k) fluoranthene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Benzo (ghi) perylene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Benzo (a) pyrene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Benzyl alcohol	EPA 8270D	EPA 8270D
Bis (2-chloroethoxy) methane	EPA 8270D	EPA 8270D
Bis (2-chloroethyl) ether	EPA 8270D	EPA 8270D
Bis (2-chloroisopropyl) ether	EPA 8270D	EPA 8270D
Bis (2-ethylhexyl) phthalate	EPA 8270D	EPA 8270D
4-bromophenylphenyl ether	EPA 8270D	EPA 8270D
Butyl benzyl phthalate	EPA 8270D	EPA 8270D
Carbazole	EPA 8270D	EPA 8270D
4-Chloroaniline	EPA 8270D	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D	EPA 8270D
1-Chloronaphthalene	EPA 8270D	EPA 8270D
2-Chloronaphthalene	EPA 8270D	EPA 8270D
2-Chlorophenol	EPA 8270D	EPA 8270D
4-Chlorophenyl phenyl ether	EPA 8270D	EPA 8270D
Chrysene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Dibenzo (a,h) anthracene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Dibenzofuran	EPA 8270D	EPA 8270D
1,2-Dichlorobenzene	EPA 8270D	EPA 8270D
1,3-Dichlorobenzene	EPA 8270D	EPA 8270D
1,4-Dichlorobenzene	EPA 8270D	EPA 8270D
3,3'-Dichlorobenzidine	EPA 8270D	EPA 8270D
2,4-Dichlorophenol	EPA 8270D	EPA 8270D
2,6-Dichlorophenol	EPA 8270D	EPA 8270D
Diethyl phthalate	EPA 8270D	EPA 8270D
2,4-Dimethylphenol	EPA 8270D	EPA 8270D
Dimethyl phthalate	EPA 8270D	EPA 8270D
Di-n-butyl phthalate	EPA 8270D	EPA 8270D
Di-n-octyl phthalate	EPA 8270D	EPA 8270D

Parameter/Analyte	Solid & Chemical Materials	
	Aqueous	Solid
2,4-Dinitrophenol	EPA 8270D	EPA 8270D
2,4-Dinitrotoluene	EPA 8270D	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D	EPA 8270D
Fluoranthene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Fluorene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Hexachlorobenzene	EPA 8270D	EPA 8270D
Hexachlorobutadiene	EPA 8270D	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D	EPA 8270D
Hexachloroethane	EPA 8270D	EPA 8270D
Indeno (1,2,3-cd) pyrene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Isophorone	EPA 8270D	EPA 8270D
1-Methylnaphthalene	EPA 8270D SIM	EPA 8270D SIM
2-Methylnaphthalene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
2-Methyl-4,6-Dinitrophenol	EPA 8270D	EPA 8270D
2-Methylphenol (As O cresol)	EPA 8270D	EPA 8270D
3 & 4-Methylphenol (As P & M cresol)	EPA 8270D	EPA 8270D
Naphthalene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
2-Nitroaniline	EPA 8270D	EPA 8270D
3-Nitroaniline	EPA 8270D	EPA 8270D
4-Nitroaniline	EPA 8270D	EPA 8270D
Nitrobenzene	EPA 8270D	EPA 8270D
2-Nitrophenol	EPA 8270D	EPA 8270D
4-Nitrophenol	EPA 8270D	EPA 8270D
N-Nitrodimethylamine	EPA 8270D	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D	EPA 8270D
Pentachlorophenol	EPA 8270D	EPA 8270D
Phenanthrene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Phenol	EPA 8270D	EPA 8270D
Pyrene	EPA 8270D EPA 8270D SIM	EPA 8270D EPA 8270D SIM
Pyridine	EPA 8270D	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D	EPA 8270D
<u>Pesticides/Herbicides/PCBs</u>		
Aldrin	EPA 8270D SIM	EPA 8270D SIM
alpha-BHC	EPA 8270D SIM	EPA 8270D SIM
alpha chlordane	EPA 8270D SIM	EPA 8270D SIM
beta-BHC	EPA 8270D SIM	EPA 8270D SIM
delta-BHC	EPA 8270D SIM	EPA 8270D SIM
gamma-BHC	EPA 8270D SIM	EPA 8270D SIM
gamma chlordane	EPA 8270D SIM	EPA 8270D SIM
Chlordane (technical)	EPA 8270D SIM	EPA 8270D SIM

Peter Nhye

<u>Parameter/Analyte</u>	<u>Solid & Chemical Materials</u>	
	<u>Aqueous</u>	<u>Solid</u>
4,4'-DDD	EPA 8270D SIM	EPA 8270D SIM
4,4'-DDE	EPA 8270D SIM	EPA 8270D SIM
4,4',-DDT	EPA 8270D SIM	EPA 8270D SIM
Dieldrin	EPA 8270D SIM	EPA 8270D SIM
Endosulfan I	EPA 8270D SIM	EPA 8270D SIM
Endosulfan II	EPA 8270D SIM	EPA 8270D SIM
Endonsulfan sulfate	EPA 8270D SIM	EPA 8270D SIM
Endrin	EPA 8270D SIM	EPA 8270D SIM
Endrin aldehyde	EPA 8270D SIM	EPA 8270D SIM
Endrin ketone	EPA 8270D SIM	EPA 8270D SIM
Heptachlor	EPA 8270D SIM	EPA 8270D SIM
Heptachlor epoxide	EPA 8270D SIM	EPA 8270D SIM
Methoxychlor	EPA 8270D SIM	EPA 8270D SIM
PCB-1016 (Aroclor)	EPA 8082A	EPA 8082A
PCB-1221 (Aroclor)	EPA 8082A	EPA 8082A
PCB-1232 (Aroclor)	EPA 8082A	EPA 8082A
PCB-1242 (Aroclor)	EPA 8082A	EPA 8082A
PCB-1248 (Aroclor)	EPA 8082A	EPA 8082A
PCB-1254 (Aroclor)	EPA 8082A	EPA 8082A
PCB-1260 (Aroclor)	EPA 8082A	EPA 8082A
Toxaphene	EPA 8270D SIM	EPA 8270D SIM
Semivolatile extraction methods Toxicity Characteristic Leaching Procedure	EPA 3520C MODIFIED EPA 1311	EPA 3665A EPA 3550C EPA 1311
<u>Hazardous Waste Characteristics</u>		
Corrosivity	EPA 9040B	EPA 9045C
Ignitability	EPA 1020A	



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited DoD ELAP Laboratory

A2LA has accredited

SGS NORTH AMERICA INC. - ALASKA DIVISION

Anchorage, AK

for technical competence in the field of

Environmental Testing

In recognition of the successful completion of the A2LA evaluation process that includes an assessment of the laboratory's compliance with ISO/IEC 17025:2005, the 2003 NELAC Chapter 5 Standard, and the requirements of the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP) as detailed in the current DoD Quality System Manual for Environmental Laboratories (QSM); accreditation is granted to this laboratory to perform recognized EPA methods as defined on the associated A2LA Environmental Scope of Accreditation. This accreditation demonstrates technical competence for this defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 7th day of February 2012.



A handwritten signature in black ink, reading "Peter Mlynar".

President & CEO
For the Accreditation Council
Certificate Number 2944.01
Valid to December 31, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.