

Standard Operating Procedures Listing for TestAmerica Irvine

Department	Document Number	Revision	Active Date	SOP Title
EXTRACTIONS	IR-EXT-SIGEL-PAH	2	4/11/2014	SILICA GEL CLEAN-UP FOR PAHs
EXTRACTIONS	IR-EXT-3520C	2	8/1/2014	EPA METHOD 3520C AND EPA METHOD 625 (CONTINUOUS LIQUID-LIQUID EXTRACTION)
EXTRACTIONS	IR-EXT-3546	2	10/17/2014	EPA METHOD 3546 MICROWAVE EXTRACTION OF SOLIDS
EXTRACTIONS	IR-EXT-3510	1	11/7/2014	SEPARATORY FUNNEL EXTRACTION AND CLEAN-UP PROCEDURES FOR DIESEL-RANGE ORGANICS, ORGANOCHLORINE PESTICIDES, PCBS, AND NITROSAMINES IN WATER (EPA 3510C)
EXTRACTIONS	IR-EXT-3580A	3	11/21/2014	EPA METHOD 3580A Waste Dilution
EXTRACTIONS	IR-EXT-1664_SPE	5	6/29/2015	GRAVIMETRIC DETERMINATION OF N-HEXANE EXTRACTABLE MATERIAL AND SILICA GEL TREATED N-HEXANE EXTRACTABLE MATERIAL IN WATER BY SOLID PHASE EXTRACTION (SPE)
EXTRACTIONS	IR-EXT-1010	3	9/24/2015	EPA METHOD 1010 (PENSKEY-MARTENS CLOSED-CUP METHOD FOR DETERMINING IGNITABILITY)
EXTRACTIONS	IR-EXT-1664	3	9/25/2015	GRAVIMETRIC DETERMINATION OF N-HEXANE EXTRACTABLE MATERIAL AND SILICA GEL TREATED N-HEXANE EXTRACTABLE MATERIAL IN WATER
EXTRACTIONS	IR-EXT-9071	3	9/23/2015	HEM and STG-HEM IN SOLID SAMPLES, EPA 9071B MOD/EPA 3550C MOD
EXTRACTIONS	IR-EXT-IGNITE	3	9/24/2015	IGNITABILITY IN SOIL
GC_GCMS_SEMI_DW	IR-GCS-505	4	11/14/2014	EPA 505 (DETERMINATION OF ORGANOHALIDE PESTICIDES AND POLYCHLORINATED BIPHENYL (PCBs))
GC_GCMS_SEMI_DW	IR-MSS-525_2	4	11/14/2014	EPA METHOD 525.2 (ORGANIC COMPOUNDS BY LIQUID-SOLID EXTRACTION AND GAS CHROMATOGRAPGY/MASS SPECTROMETRY)
GC_GCMS_SEMI_DW	IR-MSS-548_1	5	11/14/2014	EPA METHOD 548.1 (DETERMINATION OF ENDOTALL IN DRINKING WATER BY ION EXCHANGE EXTRACTION, ACIDIC METHANOL METHYLATION AND GCMS)
GC_GCMS_SEMI_DW	IR-GCS-552_2	5	4/3/2015	EPA METHOD 552.2 (DETERMINATION OF HALOACETIC ACIDS IN DW BY LIQUID-LIQUID EXTRACTION, DERIVATIZATIONS BY GC)
GC_GCMS_SEMI_DW	IR-GCV-504	6	4/3/2015	EPA METHOD 504.1 (EDB, DBCP, AND 123TCP IN WATER BY MICROEXTRACTION AND GAS CHROMATOGRAPHY)
GC_GCMS_SEMI_DW	IR-GCS-515.4	5	11/6/2015	EPA METHOD 515.4 (DETERMINATION OF CHLORINATED ACIDS IN DW BY 515.4)
GC-BTEX	IR-GCA-025	1	8/3/2015	DETERMINATION OF TOTAL GASEOUS NON-METHANE ORGANIC COMPOUNDS AS CARBON USING GAS CHROMATOGRAPHY
GC-BTEX	IR-GCV-175	4	9/4/2015	SAMPLE PREPARATION and the DETERMINATION OF DISSOLVED GASES in WATER using GAS CHROMATOGRAPHY HEADSPACE EQUILIBRATION TECHNIQUE (RSK-175)
GC-BTEX	IR-GCV-8015	0	11/6/2015	GASOLINE RANGE ORGANICS (GRO) / BTEX
GCMS-SEMI	IR-MSS-8270C_625	2	10/31/2013	EPA METHOD 8270C (SEMI-VOLATILE ORGANIC COMPOUNDS)/EPA METHOD 625 (BASE/NEUTRALS AND ACIDS)

GCMS-SEMI	IR-MSS-14DIOX	2	9/12/2014	1,4-DIOXANE BY 8270C MODIFIED SCAN MODE
GCMS-SEMI	IR-MSS-TEL	2	10/17/2014	TETRAETHYLLEAD BY GCMS EPA 8270C MOD
GCMS-SEMI	IR-MSS-NITROSA	4	6/3/2015	NITROSAMINES BY GC/MS USING CHEMICAL IONIZATION (EPA 1625C MODIFIED)
GCMS-SEMI	IR-MSS-PAHSIM	3	9/22/2015	PAHs COMPOUNDS BY EPA 8270C SELECTIVE ION MONITORING (SIM) MODE
GCMS-VOL	IR-MSV-123TCP	5	11/14/2014	1,2,3-Trichloropropane by GCMS SIM MODE, EPA 524.2
GCMS-VOL	IR-MSV-524	5	11/14/2014	EPA METHOD 524.2 (PURGEABLE ORGANIC COMPOUNDS)
GCMS-VOL	IR-MSV-PREP	3	10/17/2014	VOLATILE ORGANIC PREPARATION (EPA 5030B, 5030C & 5035)
GCMS-VOL	IR-MSV-8260_624	2	3/2/2015	EPA METHOD 8260B/624/TPH BY GCMS (VOLATILE ORGANIC COMPOUNDS)
GCMS-VOL	IR-MSV-SIM	3	8/3/2015	Volatile Organic Compounds by GCMS-SIM, EPA 8260B
GC-SEMI	IR-GCS-PEST	2	3/7/2014	ORGANOCHLORINE PESTICIDES BY GC (EPA METHODS 608 & 8081A)
GC-SEMI	IR-GCS-8015_D	3	11/14/2014	EPA METHOD 8015B AND MODIFIED FOR DHS LUFT (TOTAL PETROLEUM HYDROCARBONS AS DIESEL)
GC-SEMI	IR-GCV-ALC	3	1/23/2015	EPA METHOD 8015B (METHANOL AND ETHANOL BY GC)
GC-SEMI	IR-GCS-PCBs	3	6/15/2015	EPA METHOD 8082/608 (POLYCHLORINATED BIPHENYLS (PCBS) BY GC)
HPLC_DW	IR-HP-531.1	4	11/7/2014	EPA 531.1 (Measurement of Carbamates in Water by Direct Aqueous Injection HPLC with Post Column Derivatization)
HPLC_DW	IR-HP-547	5	1/9/2015	EPA 547 (DETERMINATION OF GLYPHOSATE IN DW DIRECT-AQUEOUS INJECTION HPLC W/POST COLUMN DERIVATIZATION & FLUORESCENCE DETECTION)
HPLC_DW	IR-HP-8315	2	5/16/2014	Determination of Carbonyl Compounds by Derivatization and HPLC-UV Detection (EPA Method 8315A)
HPLC_DW	IR-HP-549_2	5	10/19/2015	EPA 549.2 (DETERMINATION OF DIQUAT & PARAQUAT IN DW BY LIQUID-SOLID EXTRACTION AND HPLC-UV DETECTION)
Inorganic Prep	IR-WET-TURB	6	11/14/2014	TURBIDITY, NEPHELOMETRIC (EPA METHOD 180.1 AND STANDARD METHOD 2130B)
INORGANIC PREP	IR-WET-PH	6	11/21/2014	EPA METHOD 150.1/ 9040B/9040C/ 9041A/9045C/SM4500-H+B (ELECTROMETRIC pH)
INORGANIC PREP	IR-WET-ODOR	7	11/28/2014	THRESHOLD ODOR (SM 2150B)
INORGANIC PREP	IR-PREP-3050	2	2/5/2014	ACID DIGESTION OF SOLIDS FOR TOTAL METALS BY ICP and ICPMS (EPA METHOD 3050B)
INORGANIC PREP	IR-PREP-ORP	2	3/7/2014	STANDARD METHOD 2580B (OXIDATION REDUCTION POTENTIAL)
INORGANIC PREP	IR-MET-CEC	3	4/25/2014	EPA METHOD 9081A CATION-EXCHANGE CAPACITY OF SOILS (SODIUM ACETATE)
INORGANIC PREP	IR-MET-TCLP_SPLP_VOL	1	6/30/2014	TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP), SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP) FOR VOLATILES EPA METHODS 1311 and 1312 For Metals and Non-volatile Organics
INORGANIC PREP	IR-MET-STLC	1	9/5/2014	STLC/ WET EXTRACTION (TITLE 22, SECTION 66261.126, APPENDIX III)
INORGANIC PREP	IR-WET-COLOR	6	10/9/2015	SM 2120B (COLOR, COLORIMETRIC-PLATINUM-COBALT)
INORGANIC PREP	IR-MET-PREP_W	4	10/30/2015	ACID DIGESTION OF WATER FOR TOTAL RECOVERABLE OR DISSOLVED METALS BY ICP AND ICP/MS (EPA METHODS 200.2, 3005A AND 3010A)
INORGANIC PREP	IR-WET-FE2	6	10/30/2015	FERROUS IRON BY SM 3500Fe-B & D MODIFIED
INORGANIC PREP	IR-WET-SETT	4	8/3/2015	SETTLEABLE MATTER (SM2540F)

INORGANIC PREP	IR-MET-TCLP_SPLP_NV	2	11/6/2015	TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP), SYNTHETIC PRECIPITATION LEACHING PROCEDURE (SPLP) FOR NON-VOLATILES EPA METHODS 1311 and 1312 For Metals and Non-volatile Organics
INORGANIC PREP	IR-PREP-WASH	6	11/6/2015	GLASSWARE WASHING
METALS	IR-MET-ICPMS	4	10/7/2014	METALS BY ICP/MS (EPA METHOD 200.8 & EPA 6020)
METALS	IR-MET-ICP	5	3/2/2015	ICP METALS ANALYSES (EPA METHOD 6010B, EPA METHOD 200.7)
METALS	IR-MET-HG	5	10/5/2015	MERCURY, COLD-VAPOR ATOMIC ABSORPTION SPECTROMETRY (EPA METHODS 245.1/7470A/7471)
MICRO	IR-MICRO-HPC-POUR	4	9/12/2014	HETEROTROPHIC PLATE COUNT – (HPC) POUR PLATE BY SM 9215B
MICRO	IR-MICRO-9230D-ENTERO	4	9/19/2014	FECAL ENTEROCOCCUS GROUP IN UNTREATED WATERS BY MULTIPLE TUBE FERMENTATION SM 9230D
MICRO	IR-MICRO-QC_EQUIP-ENVI	2	10/1/2013	MICROBIOLOGICAL QUALITY CONTROL CHECKS FOR LABORATORY EQUIPMENTS AND LABORATORY ENVIRONMENT
MICRO	IR-MICRO-9223B	5	10/17/2014	TOTAL COLIFORM AND E. COLI PRESENCE/ABSENCE OR (Quanti-Tray) MPN BY COLILERT, COLILERT 18, COLISURE OR COLITAG SM 9223B
MICRO	IR-MICRO-9221-WW	2	2/4/2014	TOTAL COLIFORMS, FECAL COLIFORMS, AND E. COLI IN NON-POTABLE WATERS, BIOSOLIDS, SOIL AND SLUDGE BY MULTIPLE TUBE FERMENTATION (MTF) / MOST PROBABLE NUMBER (MPN) STANDARD METHODS 9221 B, C, E, AND F
MICRO	IR-MICRO-AUTOCLAVE	2	3/7/2014	MICROBIOLOGICAL STERILIZATION EQUIPMENT - AUTOCLAVE AND HOT AIR OVEN
MICRO	IR-MICRO-Pure Culture	2	4/25/2014	MICROBIOLOGICAL - PURE CULTURE PREPARATION AND MAINTENANCE
MICRO	IR-MICRO-MRQS	2	7/18/2014	MICROBIOLOGICAL MEDIA, REAGENTS AND QUANTITATION SUPPLIES – RECEIVING, PREPARATION AND QUALITY CONTROL CHECK
MICRO	IR-MICRO-HPC-SIM	5	10/30/2015	HETEROTROPHIC PLATE COUNT – (HPC SIM) BY IDEXX SIM PLATE
MICRO	IR-MICRO-9221-DW & SW	5	11/6/2015	TOTAL COLIFORMS, FECAL COLIFORMS, AND E. COLI IN DRINKING WATER AND SOURCE OF DW BY MULTIPLE TUBE FERMENTATION (MTF) / MOST PROBABLE NUMBER (MPN) STANDARD METHODS 9221 B, C, E, AND F
MICRO	IR-MICRO-WASH	3	9/30/2015	MICROBIOLOGY - GLASSWARE WASHING
MICRO	IR-MICRO-RGW	3	11/2/2015	MICROBIOLOGY - REAGENT GRADE WATER
PM	IR-PM-SOP	0	2/27/2013	PROJECT MANAGEMENT--Initial Quote/Project Setup and Deliverable Generation
QA	IR-QA-MDL	3	11/3/2014	DETERMINATION OF METHOD DETECTION LIMITS
QA	IR-QA-LOTTEST	4	11/14/2014	CONTAINER AND REAGENT VERIFICATION BY LOT TESTING
QA	IR-QA-CNTRLLIM	4	11/21/2014	CONTROL CHARTS AND STATISTICAL PROCESS CONTROL
QA	IR-QA-DOC	4	12/19/2014	DOCUMENT CONTROL
QA	IR-QA-LOGBOOK	4	12/19/2014	LOGBOOKS, DOCUMENTATION, AND LABORATORY COMMUNICATION
QA	IR-QA-STDCNTRL	3	12/19/2014	REAGENT AND STANDARD CONTROL AND DOCUMENTATION
QA	IR-QA-SUBSAMP	3	12/20/2013	SUBSAMPLING
QA	IR-QA-SIGFIG	4	1/5/2015	SIGNIFICANT FIGURES
QA	IR-QA-THERMA	4	1/5/2015	THERMOMETER CALIBRATION, TEMPERATURE MONITORING, AND DOCUMENTATION
QA	IR-IT-COMPUSEC	4	8/1/2014	COMPUTER SECURITY AND SOFTWARE MAINTENANCE

QA	IR-QA-WATER	4	10/19/2015	LABORATORY WATER QUALITY
QA	IR-QA-BAL	3	9/12/2014	BALANCE CALIBRATION VERIFICATION AND DOCUMENTATION
QA	IR-QA-PIPET	4	9/30/2015	PIPET, SYRINGE, AND DISPENSER CALIBRATION
QA	IR-QA-REFRBLANK	3	11/3/2014	REFRIGERATOR STORAGE BLANKS
QA	IR-QA-TRAIN	3	5/13/2015	TRAINING AND DOCUMENTATION
Sample Control	IR-SC-BOTTLESHIP_r0	0	11/21/2014	PREPARING BOTTLES AND COOLERS for SHIPMENT
Sample Control	IR-SC-FIELD	3	1/30/2015	FIELD SAMPLING
Sample Control	IR-SC-LOGIN	4	9/19/2014	SAMPLE LOGIN
WETCHEM	IR-WET-300	5	10/3/2014	EPA METHOD 300.0 and EPA SW9056 (THE DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY)
WETCHEM	IR-WET-7196	3	10/6/2014	EPA METHOD 7196A/STANDARD METHODS 3500-CR D (HEXAVALENT CHROMIUM, COLORIMETRIC + ALKALINE DIGEST (EPA 3060A)
WETCHEM	IR-WET-CRIC	4	10/6/2014	Determination of Hexavalent Chromium by Ion Chromatography--EPA Methods 7199 and 218.6
WETCHEM	IR-WET-ICMS	5	10/6/2014	Determination of Perchlorate by Ion Chromatography/Mass Spectrometry, EPA 332.0 & 6860
WETCHEM	IR-WET-314.0	5	11/7/2014	Determination of Perchlorate by Ion Chromatography--EPA 314.0
WETCHEM	IR-WET-5310C	5	11/7/2014	TOTAL AND DISSOLVED ORGANIC CARBON (STANDARD METHOD 5310C)
WETCHEM	IR-WET-5710B	4	11/7/2014	TRICHALOMETHANE FORMATION POTENTIAL SM5710B
WETCHEM	IR-WET-218.7	2	11/21/2014	Hexavalent Chromium by EPA 218.7
WETCHEM	IR-WET-MBAS	6	3/2/2015	SM 5540C (ANION SURFACTANTS AS METHYLENE BLUE ACTIVE SUBSTANCES)
WETCHEM	IR-WET-MERCAP	3	3/26/2014	MERCAPTANS, TOTALS (LACSD 258)
WETCHEM	IR-WET-HARD	6	4/1/2015	HARDNESS BY TITRATION SM2340C
WETCHEM	IR-WET-PAINT	3	4/21/2014	PAINT FILTER LIQUIDS TEST, EPA 9095A AND EPA 9095B
WETCHEM	IR-WET-THIO	3	4/25/2014	THIOSULFATE BY TITRATION (LACSD 253B)
WETCHEM	IR-WET-COD	3	4/30/2014	EPA METHOD 410.4/SM 5520D (CHEMICAL OXYGEN DEMAND)
WETCHEM	IR-WET-300.1	7	5/1/2015	EPA METHOD 300.1 (THE DETERMINATION OF INORGANIC ANIONS BY ION CHROMATOGRAPHY)
WETCHEM	IR-WET-ACID	3	5/2/2014	ACIDITY, TITRIMETRIC (SM 2310B)
WETCHEM	IR-WET-COND	6	6/3/2015	SPECIFIC ELECTRICAL CONDUCTANCE (EPA METHOD 120.1 / STANDARD METHOD 2510B)
WETCHEM	IR-WET-ALK	7	6/12/2015	ALKALINITY BY SM2320B
WETCHEM	IR-WET-420_4	0	6/30/2014	IN-LINE DISTILLATION AND DETERMINATION OF VOLATILE PHENOLICS BY FLOW INJECTION ANALYSIS COLORIMETRY - EPA Method 420.4
WETCHEM	IR-WET-NH3ISE	4	6/30/2014	AMMONIA POTENTIOMETRIC, ION SELECTIVE ELECTRODE (SM4500-NH3 D)
WETCHEM	IR-WET-KELADA-01	1	7/2/2015	DETERMINATION OF TOTAL CYANIDE BY IN-LINE DIGESTION, DISTILLATION, AND FLOW INJECTION ANALYSIS KELADA-01
WETCHEM	IR-WET-350.1	1	8/3/2015	AMMONIA DETERMINATION OF AMMONIA BY FLOW INJECTION ANALYSIS UTILIZING IN-LINE DISTILLATION (Lachat) EPA 350.1 AND SM4500 NH3-G
WETCHEM	IR-WET-TS	7	8/13/2015	SM2540B AND SM2540G (TOTAL SOLIDS / PERCENT SOLIDS / PERCENT MOISTURE, GRAVIMETRIC, DRIED AT 103-105 C)
WETCHEM	IR-WET-CO2	7	11/6/2015	STANDARD METHOD 4500-CO2 (TITRIMETRIC METHOD FOR FREE CARBON DIOXIDE)
WETCHEM	IR-WET-OXY	6	11/6/2015	STANDARD METHOD 4500-O-G (DISSOLVED OXYGEN)
WETCHEM	IR-WET-TDS	7	11/6/2015	TOTAL DISSOLVED SOLIDS, FILTERABLE RESIDUE (SM2540C)

WETCHEM	IR-WET-TRC	7	11/6/2015	SM 4500-CI G (CHLORINE AND CHLORAMINES)
WETCHEM	IR-WET-FLUOR_ISE	5	9/23/2015	EPA METHOD 9214/SM 4500F (FLUORIDE BY POTENTIOMETRIC, ION SELECTIVE ELECTRODE)
WETCHEM	IR-WET-2540G	3	10/3/2014	STANDARD METHOD 2540G (TOTAL FIXED AND VOLATILE SOLIDS IN SOLIDS AND SEMISOLIDS)
WETCHEM	IR-WET-PERM	3	10/3/2014	STANDARD METHOD 4500-KMnO4 (POTASSIUM PERMANGANATE)
WETCHEM	IR-WET-TOTALCN	5	10/5/2015	EPA 9010B, 9014 & SM 4500-CN~ -B,C,E (CYANIDES, TOTAL)
WETCHEM	IR-WET-CN_WAD	3	10/6/2014	STANDARD METHODS 4500-CN, I - WEAK ACID DISSOCIABLE CYANIDE
WETCHEM	IR-WET-TSS	6	10/19/2015	SM 2540D TOTAL SUSPENDED SOLIDS (NON-FILTERABLE RESIDUE)
WETCHEM	IR-WET-SULFIDE_SPEC	3	10/31/2014	SULFIDE, COLORIMETRIC, METHYLENE BLUE (STANDARD METHOD 4500 S2-B, C, D & H)
WETCHEM	IR-WET-3060A	2	11/7/2014	ALKALINE DIGESTION PROCEDURE FOR HEXAVALENT CHROMIUM EPA 3060A (FOR METHOD EPA 7196 & EPA 7199)
WETCHEM	IR-WET-BOD	3	12/2/2014	BIOCHEMICAL OXYGEN DEMAND / CARBONACEOUS BIOLOGICAL OXYGEN DEMAND (SM 5210B)
WETCHEM	IR-WET-351_2	2	3/2/2015	TOTAL KJELDAHL NITROGEN (EPA METHOD 351.2)
WETCHEM	IR-WET-NH3_KONE	2	8/3/2015	AMMONIA DETERMINATION BY AUTOMATED PHENATE METHOD (Konelab) EPA 350.1 AND SM4500 NH3-G
WETCHEM	IR-WET-TVS	4	8/3/2015	EPA METHOD 160.4/SM2540E (FIXED AND VOLATILES RESIDUE IN WATERS)
WETCHEM	IR-WET-TOC	4	8/13/2015	SM 5310B / EPA METHOD SW 9060A (TOTAL ORGANIC CARBON)
WETCHEM	IR-WET-SPECGRAV	3	9/25/2015	SPECIFIC GRAVITY BY MASS RATIO (SM2710F)
WETCHEM	IR-WET-SULFIDE_TITR	3	9/25/2015	EPA METHOD 9030B/9031/9034 - ACID SOLUBLE SULFIDES
WETCHEM	IR-WET-PHOSP	3	10/5/2015	EPA METHOD 365.3 (PHOSPHORUS, ALL FORMS)

