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NAVFAC
Naval Facilities Engineering Command

Groundwater Sample Results, Electronic Data Deliverable, Data Validation Report, and the Sample Location Report, SDG ETT60

Naval Station Newport
Newport, Rhode Island

August 2019

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED

"TB-031618","8260C","RES","9509981","LL","1634-04-4","Methyl Tertiary Butyl Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","1868-53-7","Dibromofluoromethane","54","ug/L",,"0.3","NA",,"SURR","108",,"-99","NA","YES","50",,,,"1",
"TB-031618","8260C","RES","9509981","LL","17060-07-0","1,2-Dichloroethane-d4","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50",,,,"1",
"TB-031618","8260C","RES","9509981","LL","2037-26-5","Toluene-d8","52","ug/L",,"0.3","NA",,"SURR","105",,"-99","NA","YES","50",,,,"1",
"TB-031618","8260C","RES","9509981","LL","460-00-4","4-Bromofluorobenzene","48","ug/L",,"0.3","NA",,"SURR","97",,"-99","NA","YES","50",,,,"1",
"TB-031618","8260C","RES","9509981","LL","110-82-7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TB-031618","8260C","RES","9509981","LL","79-20-9","Methyl Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","108-87-2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","75-71-8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","74-87-3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-01-4","Vinyl Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","74-83-9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-00-3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-69-4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-35-4","1,1-Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-09-2","Methylene Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","156-60-5","trans-1,2-Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-34-3","1,1-Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","156-59-2","cis-1,2-Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","67-66-3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","74-97-5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","71-55-6","1,1,1-Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","56-23-5","Carbon Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","71-43-2","Benzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","107-06-2","1,2-Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","79-01-6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","78-87-5","1,2-

Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","75-27-
4","Bromodichloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","108-88-
3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","79-00-5","1,1,2-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","127-18-
4","Tetrachloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","124-48-
1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","106-93-4","1,2-
Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","108-90-
7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","100-41-
4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","179601-23-1","m+p-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","95-47-6","o-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","100-42-
5","Styrene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","75-25-
2","Bromoform","1","ug/L","U","0.5","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","98-82-
8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","79-34-5","1,1,2,2-
Tetrachloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","541-73-1","1,3-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","106-46-7","1,4-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","95-50-1","1,2-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","96-12-8","1,2-Dibromo-3-
chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TB-031618","8260C","RES","9509981","LL","120-82-1","1,2,4-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","87-61-6","1,2,3-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","67-64-
1","Acetone","20","ug/L","U","6","DL",,"TRG",,,"20","LOQ","YES","-99",,,,"20",
"TB-031618","8260C","RES","9509981","LL","75-15-0","Carbon
Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TB-031618","8260C","RES","9509981","LL","78-93-3","2-
Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TB-031618","8260C","RES","9509981","LL","10061-02-6","trans-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","10061-01-5","cis-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TB-031618","8260C","RES","9509981","LL","108-10-1","4-Methyl-2-
pentanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TB-031618","8260C","RES","9509981","LL","591-78-6","2-

Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TB-031618","8260C","RES","9509981","LL","76-13-1","Freon
113","4","ug/L","U","2","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","7470A","RES","9509982","LL","7439-97-
6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,,"0.00020","LOQ","YES","-99",,,,"0.00010",
"TF1-GT-132-031618","SM5310C","RES","9509982","LL","TOC","Total Organic
Carbon","0.97","mg/L","J","0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"TF1-GT-132-031618","8015C","RES","9509982","LL","PHCE","Total
TPH","0.063","mg/L","J","0.047","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.095",
"TF1-GT-132-031618","8015C","RES","9509982","LL","108-90-
7","Chlorobenzene","0.011","mg/L",,"0.00057","NA",,"SURR","99",,"-99","NA","YES","0.011",,,,"0.0011",
"TF1-GT-132-031618","8015C","RES","9509982","LL","84-15-
1","Orthoterphenyl","0.012","mg/L",,"0.00057","NA",,"SURR","104",,"-99","NA","YES","0.011",,,,"0.0011",
"TF1-GT-132-031618","8015C","RES","9509982","LL","PHCC8C44","C8-
C44","0.063","mg/L","J","0.047","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.095",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7429-90-
5","Aluminum","0.0500","mg/L","U","0.0215","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0500",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-36-
0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.0010",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-38-
2","Arsenic","0.0020","mg/L","U","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-39-
3","Barium","0.0050","mg/L",,"0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-41-
7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-43-
9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-70-
2","Calcium","6.41","mg/L",,"0.0943","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-47-
3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-48-
4","Cobalt","0.0014","mg/L",,"0.00016","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-50-
8","Copper","0.00057","mg/L","J","0.00054","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7439-89-
6","Iron","0.0402","mg/L","J","0.0374","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.100",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7439-92-
1","Lead","0.00025","mg/L","U","0.00011","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.00025",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7439-95-
4","Magnesium","1.42","mg/L",,"0.0106","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0250",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7439-96-
5","Manganese","0.0934","mg/L",,"0.00090","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7439-98-
7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-02-
0","Nickel","0.0046","mg/L",,"0.0010","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-09-
7","Potassium","1.05","mg/L",,"0.0525","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7782-49-
2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-22-
4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-23-

5","Sodium","4.70","mg/L",,"0.0500","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.100",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-28-
0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-62-
2","Vanadium","0.00050","mg/L","U","0.00021","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GT-132-031618","6020A","RES","9509982","LL","7440-66-
6","Zinc","0.0050","mg/L","J","0.0039","DL",,"TRG",,,"0.0300","LOQ","YES","-99",,,,"0.0075",
"TF1-GT-132-031618","8270D","RES","9509982","LL","92-52-4","1,1'-
Biphenyl","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","13127-88-3","Phenol-
d6","50","ug/L",,"9","NA",,"SURR","27",,"-99","NA","YES","190",,,,"19",
"TF1-GT-132-031618","8270D","RES","9509982","LL","367-12-4","2-
Fluorophenol","80","ug/L",,"9","NA",,"SURR","43",,"-99","NA","YES","190",,,,"19",
"TF1-GT-132-031618","8270D","RES","9509982","LL","118-79-6","2,4,6-
Tribromophenol","140","ug/L",,"9","NA",,"SURR","75",,"-99","NA","YES","190",,,,"19",
"TF1-GT-132-031618","8270D","RES","9509982","LL","4165-60-0","Nitrobenzene-
d5","70","ug/L",,"5","NA",,"SURR","75",,"-99","NA","YES","94",,,,"9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","321-60-8","2-
Fluorobiphenyl","70","ug/L",,"5","NA",,"SURR","75",,"-99","NA","YES","94",,,,"9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","1718-51-0","Terphenyl-
d14","71","ug/L",,"5","NA",,"SURR","75",,"-99","NA","YES","94",,,,"9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","98-86-
2","Acetophenone","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","87-65-0","2,6-
Dichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","106-44-5","4-
Methylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","106-47-8","4-
Chloroaniline","4","ug/L","U","2","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","132-64-
9","Dibenzofuran","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","91-57-6","2-
Methylnaphthalene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","88-74-4","2-
Nitroaniline","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","99-09-2","3-
Nitroaniline","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","100-01-6","4-
Nitroaniline","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","95-95-4","2,4,5-
Trichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","95-57-8","2-
Chlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","108-95-
2","Phenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","88-75-5","2-
Nitrophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","105-67-9","2,4-
Dimethylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","120-83-2","2,4-

Dichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","59-50-7","4-Chloro-3-
methylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","88-06-2","2,4,6-
Trichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","51-28-5","2,4-
Dinitrophenol","28","ug/L","U","9","DL",,"TRG",,,"28","LOQ","YES","-99",,,,"28",
"TF1-GT-132-031618","8270D","RES","9509982","LL","100-02-7","4-
Nitrophenol","28","ug/L","U","9","DL",,"TRG",,,"28","LOQ","YES","-99",,,,"28",
"TF1-GT-132-031618","8270D","RES","9509982","LL","534-52-1","4,6-Dinitro-2-
methylphenol","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"TF1-GT-132-031618","8270D","RES","9509982","LL","87-86-
5","Pentachlorophenol","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","111-44-4","bis(2-
Chloroethyl)ether","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","67-72-
1","Hexachloroethane","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","621-64-7","N-Nitroso-di-n-
propylamine","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","98-95-
3","Nitrobenzene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","78-59-
1","Isophorone","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","111-91-1","bis(2-
Chloroethoxy)methane","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","91-20-
3","Naphthalene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","87-68-
3","Hexachlorobutadiene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","77-47-
4","Hexachlorocyclopentadiene","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"TF1-GT-132-031618","8270D","RES","9509982","LL","91-58-7","2-
Chloronaphthalene","0.9","ug/L","U","0.4","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","208-96-
8","Acenaphthylene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","131-11-
3","Dimethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","606-20-2","2,6-
Dinitrotoluene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","83-32-
9","Acenaphthene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","121-14-2","2,4-
Dinitrotoluene","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","86-73-
7","Fluorene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","7005-72-3","4-Chlorophenyl-
phenylether","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","84-66-
2","Diethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","86-30-6","N-
Nitrosodiphenylamine","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","101-55-3","4-Bromophenyl-
phenylether","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","118-74-

1","Hexachlorobenzene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","85-01-
8","Phenanthrene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","120-12-
7","Anthracene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","84-74-2","Di-n-
butylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","206-44-
0","Fluoranthene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","129-00-
0","Pyrene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","85-68-
7","Butylbenzylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","56-55-
3","Benzo(a)anthracene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","218-01-
9","Chrysene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","91-94-1","3,3'-
Dichlorobenzidine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","117-84-0","Di-n-
octylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","205-99-
2","Benzo(b)fluoranthene","0.2","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","207-08-
9","Benzo(k)fluoranthene","0.1","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","50-32-
8","Benzo(a)pyrene","0.2","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.2","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","53-70-
3","Dibenz(a,h)anthracene","0.2","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","191-24-
2","Benzo(g,h,i)perylene","0.3","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GT-132-031618","8270D","RES","9509982","LL","95-48-7","2-
Methylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","86-74-
8","Carbazole","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-GT-132-031618","8270D","RES","9509982","LL","1912-24-
9","Atrazine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8270D","RES","9509982","LL","105-60-
2","Caprolactam","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"TF1-GT-132-031618","8270D","RES","9509982","LL","100-52-
7","Benzaldehyde","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8081B","RES","9509982","LL","53494-70-5","Endrin Ketone","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GT-132-031618","8081B","RES","9509982","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.2","ug/L",,"0.01","NA",,"SURR","64",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","2051-24-3","Decachlorobiphenyl-
D1","0.2","ug/L",,"0.01","NA",,"SURR","75",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","877-09-8","Tetrachloro-m-xylene-

D2","0.2","ug/L",,"0.01","NA",,"SURR","58",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","2051-24-3","Decachlorobiphenyl-
D2","0.2","ug/L",,"0.01","NA",,"SURR","72",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","5103-71-9","Alpha Chlordane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","5103-74-2","Gamma Chlordane","0.02","ug/L","U
D1","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","7421-93-4","Endrin Aldehyde","0.03","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.03",
"TF1-GT-132-031618","8081B","RES","9509982","LL","319-84-6","Alpha BHC","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","319-85-7","Beta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","58-89-9","Gamma BHC - Lindane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","319-86-8","Delta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","76-44-8","Heptachlor","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","309-00-2","Aldrin","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","1024-57-3","Heptachlor Epoxide","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GT-132-031618","8081B","RES","9509982","LL","72-55-9","p,p-DDE","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GT-132-031618","8081B","RES","9509982","LL","72-54-8","p,p-DDD","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GT-132-031618","8081B","RES","9509982","LL","50-29-3","p,p-DDT","0.005","ug/L","JP
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GT-132-031618","8081B","RES","9509982","LL","72-43-5","Methoxychlor","0.06","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.06",
"TF1-GT-132-031618","8081B","RES","9509982","LL","60-57-1","Dieldrin","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GT-132-031618","8081B","RES","9509982","LL","72-20-8","Endrin","0.02","ug/L","U
D1","0.007","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","8001-35-2","Toxaphene","0.5","ug/L","U
D1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99",,,,"0.5",
"TF1-GT-132-031618","8081B","RES","9509982","LL","959-98-8","Endosulfan I","0.007","ug/L","U
D1","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.007",
"TF1-GT-132-031618","8081B","RES","9509982","LL","33213-65-9","Endosulfan II","0.02","ug/L","U
D1","0.01","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-GT-132-031618","8081B","RES","9509982","LL","1031-07-8","Endosulfan Sulfate","0.01","ug/L","U
D1","0.005","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.01",
"TF1-GT-132-031618","8082A","RES","9509982","LL","12674-11-2","PCB-1016","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.36","ug/L",,"0.012","NA",,"SURR","116",,"-99","NA","YES","0.31",,,,"0.025",
"TF1-GT-132-031618","8082A","RES","9509982","LL","2051-24-3","Decachlorobiphenyl-
D1","0.33","ug/L",,"0.012","NA",,"SURR","117",,"-99","NA","YES","0.28",,,,"0.025",
"TF1-GT-132-031618","8082A","RES","9509982","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.36","ug/L",,"0.012","NA",,"SURR","115",,"-99","NA","YES","0.31",,,,"0.025",
"TF1-GT-132-031618","8082A","RES","9509982","LL","2051-24-3","Decachlorobiphenyl-
D2","0.33","ug/L",,"0.012","NA",,"SURR","119",,"-99","NA","YES","0.28",,,,"0.025",
"TF1-GT-132-031618","8082A","RES","9509982","LL","11104-28-2","PCB-1221","0.082","ug/L","U

D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","11141-16-5","PCB-1232","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","53469-21-9","PCB-1242","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","12672-29-6","PCB-1248","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","11097-69-1","PCB-1254","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","11096-82-5","PCB-1260","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","37324-23-5","PCB-1262","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","11100-14-4","PCB-1268","0.082","ug/L","U
D1","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","8082A","RES","9509982","LL","1336-36-3","Total
PCBs","0.082","ug/L","U","0.025","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"TF1-GT-132-031618","9056A","RES","9509982","LL","16887-00-
6","Chloride","8.7","mg/L",,"1.0","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GT-132-031618","9056A","RES","9509982","LL","14808-79-
8","Sulfate","12.1","mg/L",,"1.5","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"TF1-GT-132-031618","9056A","RES","9509982","LL","14797-55-8","Nitrate
Nitrogen","0.50","mg/L","U","0.25","DL",,"TRG",,,"0.50","LOQ","YES","-99",,,,"0.50",
"TF1-GT-132-031618","8260C","RES","9509982","LL","1634-04-4","Methyl Tertiary Butyl
Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","1868-53-
7","Dibromofluoromethane","54","ug/L",,"0.3","NA",,"SURR","108",,"-99","NA","YES","50",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","17060-07-0","1,2-Dichloroethane-
d4","54","ug/L",,"0.3","NA",,"SURR","108",,"-99","NA","YES","50",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","2037-26-5","Toluene-
d8","52","ug/L",,"0.3","NA",,"SURR","105",,"-99","NA","YES","50",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","460-00-4","4-
Bromofluorobenzene","48","ug/L",,"0.3","NA",,"SURR","97",,"-99","NA","YES","50",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","110-82-
7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8260C","RES","9509982","LL","79-20-9","Methyl
Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","108-87-
2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-71-
8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","74-87-
3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-01-4","Vinyl
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","74-83-
9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-00-
3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-69-
4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-35-4","1,1-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-09-2","Methylene

Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","156-60-5","trans-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-34-3","1,1-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","156-59-2","cis-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","67-66-
3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","74-97-
5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","71-55-6","1,1,1-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","56-23-5","Carbon
Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","71-43-
2","Benzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","107-06-2","1,2-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","79-01-
6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","78-87-5","1,2-
Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-27-
4","Bromodichloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","108-88-
3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","79-00-5","1,1,2-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","127-18-
4","Tetrachloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","124-48-
1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","106-93-4","1,2-
Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","108-90-
7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","100-41-
4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","179601-23-1","m+p-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","95-47-6","o-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","100-42-
5","Styrene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-25-
2","Bromoform","1","ug/L","U","0.5","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","98-82-
8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","79-34-5","1,1,2,2-
Tetrachloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","541-73-1","1,3-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982",,"LL","106-46-7","1,4-

Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","95-50-1","1,2-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","96-12-8","1,2-Dibromo-3-
chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","8260C","RES","9509982","LL","120-82-1","1,2,4-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","87-61-6","1,2,3-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","67-64-
1","Acetone","20","ug/L","U","6","DL",,"TRG",,,"20","LOQ","YES","-99",,,,"20",
"TF1-GT-132-031618","8260C","RES","9509982","LL","75-15-0","Carbon
Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GT-132-031618","8260C","RES","9509982","LL","78-93-3","2-
Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-GT-132-031618","8260C","RES","9509982","LL","10061-02-6","trans-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","10061-01-5","cis-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GT-132-031618","8260C","RES","9509982","LL","108-10-1","4-Methyl-2-
pentanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-GT-132-031618","8260C","RES","9509982","LL","591-78-6","2-
Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-GT-132-031618","8260C","RES","9509982","LL","76-13-1","Freon
113","4","ug/L","U","2","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"4",
"TF1-GT-132-031618","SM2320B","RES","9509982","LL","ALKT","Total Alkalinity to pH
4.5","12.7","mgCaCO3/L",,"1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","90-12-0","1-
Methylnaphthalene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","93951-69-0","Fluoranthene-
d10","0.8","ug/L",,"0.02","NA",,"SURR","83",,"-99","NA","YES","0.9",,,,"0.09",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","63466-71-7","Benzo(a)pyrene-
d12","0.8","ug/L",,"0.02","NA",,"SURR","87",,"-99","NA","YES","0.9",,,,"0.09",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","38072-94-5","1-Methylnaphthalene-
d10","0.8","ug/L",,"0.02","NA",,"SURR","87",,"-99","NA","YES","0.9",,,,"0.09",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","91-20-
3","Naphthalene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","91-57-6","2-
Methylnaphthalene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","208-96-
8","Acenaphthylene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","83-32-
9","Acenaphthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","86-73-
7","Fluorene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","85-01-
8","Phenanthrene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","120-12-
7","Anthracene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","206-44-
0","Fluoranthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","129-00-
0","Pyrene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","56-55-

3","Benzo(a)anthracene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","218-01-
9","Chrysene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","205-99-
2","Benzo(b)fluoranthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","207-08-
9","Benzo(k)fluoranthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","50-32-
8","Benzo(a)pyrene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","53-70-
3","Dibenz(a,h)anthracene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","8270D SIM","RES","9509982","LL","191-24-
2","Benzo(g,h,i)perylene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GT-132-031618","RSK-175M","RES","9509982","LL","74-82-
8","Methane","50","ug/L",,"3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"TF1-GT-132-031618","RSK-175M","RES","9509982","LL","115-07-
1","Propene","21","ug/L",,"1.0","NA",,"SURR","103",,"-99","NA","YES","21",,,,"2.1",
"TF1-GT-132-031618","RSK-175M","RES","9509982","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"TF1-GT-132-031618","SM5210B","RES","9509982","LL","BOD","Biochemical Oxygen Demand-
BOD","2.00","mg/L","U","2.00","DL",,"TRG",,,"2.00","LOQ","YES","-99",,,,"2.00",
"TF1-GT-132-031618","537M","RES","9509982","LL","335-67-1","Perfluorooctanoic
acid","12","ng/L",,"0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-22-4L","13C4-
PFBA","17","ng/L",,"2.9","NA",,"SURR","92",,"-99","NA","YES","19",,,,"9.5",
"TF1-GT-132-031618","537M","RES","9509982","LL","1763-23-1L","13C8-
PFOS","16","ng/L",,"4.8","NA",,"SURR","88",,"-99","NA","YES","18",,,,"9.5",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-95-1L","13C9-
PFNA","16","ng/L",,"0.95","NA",,"SURR","84",,"-99","NA","YES","19",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","335-76-2L","13C6-
PFDA","18","ng/L",,"0.95","NA",,"SURR","94",,"-99","NA","YES","19",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","2058-94-8L","13C7-
PFUnDA","16","ng/L",,"1.9","NA",,"SURR","85",,"-99","NA","YES","19",,,,"3.8",
"TF1-GT-132-031618","537M","RES","9509982","LL","307-55-1L","13C2-
PFDoDA","16","ng/L",,"2.9","NA",,"SURR","85",,"-99","NA","YES","19",,,,"4.8",
"TF1-GT-132-031618","537M","RES","9509982","LL","376-06-7L","13C2-
PFTeDA","13","ng/L",,"2.9","NA",,"SURR","67",,"-99","NA","YES","19",,,,"4.8",
"TF1-GT-132-031618","537M","RES","9509982","LL","754-91-6L","13C8-
PFOSA","14","ng/L",,"2.9","NA",,"SURR","75",,"-99","NA","YES","19",,,,"8.6",
"TF1-GT-132-031618","537M","RES","9509982","LL","2706-90-3L","13C5-
PFPeA","24","ng/L",,"0.95","NA",,"SURR","124",,"-99","NA","YES","19",,,,"2.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-73-5L","13C3-
PFBS","22","ng/L",,"2.9","NA",,"SURR","126",,"-99","NA","YES","18",,,,"9.5",
"TF1-GT-132-031618","537M","RES","9509982","LL","307-24-4L","13C5-
PFHxA","18","ng/L",,"0.95","NA",,"SURR","92",,"-99","NA","YES","19",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","355-46-4L","13C3-
PFHxS","16","ng/L",,"3.8","NA",,"SURR","90",,"-99","NA","YES","18",,,,"9.5",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-85-9L","13C4-
PFHpA","19","ng/L",,"0.95","NA",,"SURR","99",,"-99","NA","YES","19",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","335-67-1L","13C8-
PFOA","17","ng/L",,"0.95","NA",,"SURR","89",,"-99","NA","YES","19",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-95-1","Perfluorononanoic

acid","3.1","ng/L",,"0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","335-76-2","Perfluorodecanoic
acid","2.9","ng/L","U","0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","2058-94-8","Perfluoroundecanoic
acid","2.7","ng/L",,"0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","307-55-1","Perfluorododecanoic
acid","0.95","ng/L","U","0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"TF1-GT-132-031618","537M","RES","9509982","LL","72629-94-8","Perfluorotridecanoic
acid","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","376-06-7","Perfluorotetradecanoic
acid","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","307-24-4","Perfluorohexanoic
acid","11","ng/L",,"0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-85-9","Perfluoroheptanoic
acid","9.2","ng/L",,"0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-73-
5","Perfluorobutanesulfonate","1.4","ng/L",,"0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"TF1-GT-132-031618","537M","RES","9509982","LL","355-46-
4","Perfluorohexanesulfonate","21","ng/L",,"0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","1763-23-1","Perfluoro-
octanesulfonate","6.4","ng/L",,"0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-22-4","Perfluorobutanoic
acid","4.4","ng/L","J","1.9","DL",,"TRG",,,"5.7","LOQ","YES","-99",,,,"5.7",
"TF1-GT-132-031618","537M","RES","9509982","LL","2706-90-3","Perfluoropentanoic
acid","12","ng/L",,"1.9","DL",,"TRG",,,"5.7","LOQ","YES","-99",,,,"5.7",
"TF1-GT-132-031618","537M","RES","9509982","LL","375-92-
8","Perfluoroheptanesulfonate","1.9","ng/L","U","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","335-77-
3","Perfluorodecanesulfonate","2.9","ng/L","U","0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GT-132-031618","537M","RES","9509982","LL","754-91-
6","Perfluorooctanesulfonamide","2.9","ng/L","U","0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GT-132-031618 MS","7470A","RES","9509983","LL","7439-97-
6","Mercury","0.00095","mg/L",,"-99","NA",,"SPK","95",,"-99","NA","YES","0.0010","TF1-GT-132-
031618",,,"0.00010",
"TF1-GT-132-031618 MS","SM5310C","RES","9509983","LL","TOC","Total Organic
Carbon","10.8","mg/L",,"-99","NA",,"SPK","98",,"-99","NA","YES","10.0","TF1-GT-132-031618",,,"1.0",
"TF1-GT-132-031618 MS","8015C","RES","9509983","LL","PHCE","Total
TPH","0.70","mg/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","0.76","TF1-GT-132-031618",,,"0.094",
"TF1-GT-132-031618 MS","8015C","RES","9509983","LL","108-90-
7","Chlorobenzene","0.010","mg/L",,"0.00057","NA",,"SURR","90",,"-99","NA","YES","0.011","TF1-GT-132-
031618",,,"0.0011",
"TF1-GT-132-031618 MS","8015C","RES","9509983","LL","84-15-
1","Orthoterphenyl","0.011","mg/L",,"0.00057","NA",,"SURR","98",,"-99","NA","YES","0.011","TF1-GT-132-
031618",,,"0.0011",
"TF1-GT-132-031618 MS","8015C","RES","9509983","LL","PHCC8C44","C8-
C44","0.70","mg/L",,"0.047","DL",,"TRG",,,"0.19","LOQ","YES","-99","TF1-GT-132-031618",,,"0.094",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7429-90-
5","Aluminum","2.10","mg/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","2.00","TF1-GT-132-031618",,,"0.0500",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-36-
0","Antimony","0.0059","mg/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","0.0060","TF1-GT-132-
031618",,,"0.0010",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-38-
2","Arsenic","0.0111","mg/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","0.0100","TF1-GT-132-
031618",,,"0.0020",

"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-39-3","Barium","0.0538","mg/L",,"-99","NA",,"SPK","98",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-41-7","Beryllium","0.0042","mg/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","0.0040","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-43-9","Cadmium","0.0051","mg/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","0.0050","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-70-2","Calcium","11.6","mg/L",,"-99","NA",,"SPK","131",,"-99","NA","YES","4.00","TF1-GT-132-031618",,,"0.200",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-47-3","Chromium","0.0540","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-48-4","Cobalt","0.256","mg/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","0.250","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-50-8","Copper","0.0525","mg/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7439-89-6","Iron","1.12","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","1.00","TF1-GT-132-031618",,,"0.100",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7439-92-1","Lead","0.0156","mg/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","0.0150","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7439-95-4","Magnesium","3.65","mg/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","2.00","TF1-GT-132-031618",,,"0.0250",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7439-96-5","Manganese","0.154","mg/L",,"-99","NA",,"SPK","122",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7439-98-7","Molybdenum","0.0505","mg/L",,"-99","NA",,"SPK","101",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-02-0","Nickel","0.0575","mg/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-09-7","Potassium","11.7","mg/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","10.0","TF1-GT-132-031618",,,"0.200",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7782-49-2","Selenium","0.0098","mg/L",,"-99","NA",,"SPK","98",,"-99","NA","YES","0.0100","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-22-4","Silver","0.0515","mg/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-23-5","Sodium","15.7","mg/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","10.0","TF1-GT-132-031618",,,"0.100",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-28-0","Thallium","0.0021","mg/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","0.0020","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-62-2","Vanadium","0.0537","mg/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MS","6020A","RES","9509983","LL","7440-66-6","Zinc","0.512","mg/L",,"-99","NA",,"SPK","101",,"-99","NA","YES","0.500","TF1-GT-132-031618",,,"0.0075",

"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","92-52-4","1,1'-Biphenyl","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","13127-88-3","Phenol-d6","68","ug/L",,"9","NA",,"SURR","36",,"-99","NA","YES","190","TF1-GT-132-031618",,,"19",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","367-12-4","2-Fluorophenol","100","ug/L",,"9","NA",,"SURR","55",,"-99","NA","YES","190","TF1-GT-132-031618",,,"19",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","118-79-6","2,4,6-Tribromophenol","170","ug/L",,"9","NA",,"SURR","88",,"-99","NA","YES","190","TF1-GT-132-031618",,,"19",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","4165-60-0","Nitrobenzene-d5","84","ug/L",,"5","NA",,"SURR","89",,"-99","NA","YES","95","TF1-GT-132-031618",,,"9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","321-60-8","2-Fluorobiphenyl","86","ug/L",,"5","NA",,"SURR","90",,"-99","NA","YES","95","TF1-GT-132-031618",,,"9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","1718-51-0","Terphenyl-d14","79","ug/L",,"5","NA",,"SURR","83",,"-99","NA","YES","95","TF1-GT-132-031618",,,"9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","58-90-2","2,3,4,6-Tetrachlorophenol","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","98-86-2","Acetophenone","41","ug/L",,"-99","NA",,"SPK","86",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","87-65-0","2,6-Dichlorophenol","46","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","95-94-3","1,2,4,5-Tetrachlorobenzene","43","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","106-44-5","4-Methylphenol","36","ug/L",,"-99","NA",,"SPK","76",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","106-47-8","4-Chloroaniline","20","ug/L",,"-99","NA",,"SPK","43",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","132-64-9","Dibenzofuran","44","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","91-57-6","2-Methylnaphthalene","43","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","88-74-4","2-Nitroaniline","49","ug/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","99-09-2","3-Nitroaniline","40","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","100-01-6","4-Nitroaniline","39","ug/L",,"-99","NA",,"SPK","82",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","95-95-4","2,4,5-Trichlorophenol","47","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","95-57-8","2-Chlorophenol","42","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","108-95-2","Phenol","20","ug/L",,"-99","NA",,"SPK","42",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","88-75-5","2-Nitrophenol","48","ug/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","105-67-9","2,4-Dimethylphenol","39","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","120-83-2","2,4-Dichlorophenol","47","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","59-50-7","4-Chloro-3-methylphenol","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","88-06-2","2,4,6-Trichlorophenol","47","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","51-28-5","2,4-Dinitrophenol","81","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","95","TF1-GT-132-031618",,,"28",

"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","100-02-7","4-Nitrophenol","21","ug/L","J","-99","NA",,"SPK","44",,"-99","NA","YES","47","TF1-GT-132-031618",,,"28",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","534-52-1","4,6-Dinitro-2-methylphenol","44","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","47","TF1-GT-132-031618",,,"14",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","87-86-5","Pentachlorophenol","29","ug/L",,"-99","NA",,"SPK","62",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","111-44-4","bis(2-Chloroethyl)ether","41","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","67-72-1","Hexachloroethane","34","ug/L",,"-99","NA",,"SPK","71",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","621-64-7","N-Nitroso-di-n-propylamine","40","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","98-95-3","Nitrobenzene","44","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","78-59-1","Isophorone","44","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","111-91-1","bis(2-Chloroethoxy)methane","43","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","91-20-3","Naphthalene","41","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","87-68-3","Hexachlorobutadiene","37","ug/L",,"-99","NA",,"SPK","78",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","77-47-4","Hexachlorocyclopentadiene","71","ug/L",,"-99","NA",,"SPK","75",,"-99","NA","YES","95","TF1-GT-132-031618",,,"14",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","91-58-7","2-Chloronaphthalene","43","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","208-96-8","Acenaphthylene","49","ug/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","131-11-3","Dimethylphthalate","42","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","606-20-2","2,6-Dinitrotoluene","47","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","83-32-9","Acenaphthene","46","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","121-14-2","2,4-Dinitrotoluene","45","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","86-73-7","Fluorene","45","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","7005-72-3","4-Chlorophenyl-phenylether","42","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","84-66-2","Diethylphthalate","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","86-30-6","N-Nitrosodiphenylamine","45","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","101-55-3","4-Bromophenyl-phenylether","42","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","118-74-1","Hexachlorobenzene","42","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","85-01-8","Phenanthrene","42","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","120-12-7","Anthracene","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",

"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","84-74-2","Di-n-butylphthalate","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","206-44-0","Fluoranthene","43","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","129-00-0","Pyrene","42","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","85-68-7","Butylbenzylphthalate","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","56-55-3","Benzo(a)anthracene","42","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","218-01-9","Chrysene","41","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","91-94-1","3,3'-Dichlorobenzidine","38","ug/L",,"-99","NA",,"SPK","81",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","117-81-7","bis(2-Ethylhexyl)phthalate","44","ug/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","117-84-0","Di-n-octylphthalate","50","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","205-99-2","Benzo(b)fluoranthene","47","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","207-08-9","Benzo(k)fluoranthene","44","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","50-32-8","Benzo(a)pyrene","45","ug/L",,"-99","NA",,"SPK","95",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","193-39-5","Indeno(1,2,3-cd)pyrene","43","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","53-70-3","Dibenz(a,h)anthracene","45","ug/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","191-24-2","Benzo(g,h,i)perylene","44","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","95-48-7","2-Methylphenol","39","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","108-60-1","2,2'-oxybis(1-Chloropropane)","39","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","86-74-8","Carbazole","45","ug/L",,"-99","NA",,"SPK","95",,"-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","1912-24-9","Atrazine","43","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","105-60-2","Caprolactam","11","ug/L","J","-99","NA",,"SPK","24",,"-99","NA","YES","47","TF1-GT-132-031618",,,"14",
"TF1-GT-132-031618 MS","8270D","RES","9509983","LL","100-52-7","Benzaldehyde","41","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","53494-70-5","Endrin Ketone","0.2","ug/L","D1","-99","NA",,"SPK","87",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","877-09-8","Tetrachloro-m-xylene-D1","0.2","ug/L",,"0.01","NA",,"SURR","70",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","2051-24-3","Decachlorobiphenyl-D1","0.2","ug/L",,"0.01","NA",,"SURR","71",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","877-09-8","Tetrachloro-m-xylene-D2","0.2","ug/L",,"0.01","NA",,"SURR","64",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",

"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","2051-24-3","Decachlorobiphenyl-
D2","0.2","ug/L",,"0.01","NA",,"SURR","68",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","5103-71-9","Alpha
Chlordane","0.08","ug/L","D1","-99","NA",,"SPK","79",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","5103-74-2","Gamma
Chlordane","0.09","ug/L","D2","-99","NA",,"SPK","85",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","7421-93-4","Endrin
Aldehyde","0.1","ug/L","D2","-99","NA",,"SPK","74",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.03",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","319-84-6","Alpha
BHC","0.08","ug/L","D1","-99","NA",,"SPK","82",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","319-85-7","Beta
BHC","0.08","ug/L","D1","-99","NA",,"SPK","75",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","58-89-9","Gamma BHC -
Lindane","0.08","ug/L","D1","-99","NA",,"SPK","82",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","319-86-8","Delta
BHC","0.08","ug/L","D1","-99","NA",,"SPK","79",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","76-44-
8","Heptachlor","0.08","ug/L","D1","-99","NA",,"SPK","82",,"-99","NA","YES","0.1","TF1-GT-132-
031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","309-00-
2","Aldrin","0.07","ug/L","D1","-99","NA",,"SPK","71",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","1024-57-3","Heptachlor
Epoxide","0.08","ug/L","D2","-99","NA",,"SPK","80",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","72-55-9","p,p-
DDE","0.2","ug/L","D1","-99","NA",,"SPK","85",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","72-54-8","p,p-
DDD","0.2","ug/L","D1","-99","NA",,"SPK","97",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","50-29-3","p,p-
DDT","0.2","ug/L","D1","-99","NA",,"SPK","95",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","72-43-
5","Methoxychlor","1","ug/L","D1","-99","NA",,"SPK","107",,"-99","NA","YES","1","TF1-GT-132-031618",,,"0.06",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","60-57-
1","Dieldrin","0.2","ug/L","D1","-99","NA",,"SPK","87",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","72-20-
8","Endrin","0.2","ug/L","D2","-99","NA",,"SPK","92",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","8001-35-2","Toxaphene","0.5","ug/L","U
D1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99","TF1-GT-132-031618",,,"0.5",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","959-98-8","Endosulfan
I","0.08","ug/L","D1","-99","NA",,"SPK","78",,"-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.007",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","33213-65-9","Endosulfan
II","0.2","ug/L","D1","-99","NA",,"SPK","80",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MS","8081B","RES","9509983","LL","1031-07-8","Endosulfan
Sulfate","0.2","ug/L","D1","-99","NA",,"SPK","84",,"-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.01",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","12674-11-2","PCB-
1016","5.3","ug/L","D2","-99","NA",,"SPK","104",,"-99","NA","YES","5.1","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.32","ug/L",,"0.012","NA",,"SURR","104",,"-99","NA","YES","0.31","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","2051-24-3","Decachlorobiphenyl-
D1","0.27","ug/L",,"0.012","NA",,"SURR","98",,"-99","NA","YES","0.28","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.33","ug/L",,"0.012","NA",,"SURR","106",,"-99","NA","YES","0.31","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","2051-24-3","Decachlorobiphenyl-
D2","0.27","ug/L",,"0.012","NA",,"SURR","99",,"-99","NA","YES","0.28","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","11104-28-2","PCB-1221","0.081","ug/L","U

D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","11141-16-5","PCB-1232","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","53469-21-9","PCB-1242","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","12672-29-6","PCB-1248","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","11097-69-1","PCB-1254","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","11096-82-5","PCB-
1260","6.5","ug/L","D1","-99","NA",,"SPK","128",,"-99","NA","YES","5.1","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","37324-23-5","PCB-1262","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","11100-14-4","PCB-1268","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","8082A","RES","9509983","LL","1336-36-3","Total
PCBs","12","ug/L",,"0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.081",
"TF1-GT-132-031618 MS","9056A","RES","9509983","LL","16887-00-
6","Chloride","19.4","mg/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","10.0","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","9056A","RES","9509983","LL","14808-79-
8","Sulfate","39.0","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","25.0","TF1-GT-132-031618",,,"5.0",
"TF1-GT-132-031618 MS","9056A","RES","9509983","LL","14797-55-8","Nitrate
Nitrogen","2.8","mg/L",,"-99","NA",,"SPK","112",,"-99","NA","YES","2.5","TF1-GT-132-031618",,,"0.50",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","1634-04-4","Methyl Tertiary Butyl
Ether","20","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","1868-53-
7","Dibromofluoromethane","54","ug/L",,"0.3","NA",,"SURR","107",,"-99","NA","YES","50","TF1-GT-132-
031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","17060-07-0","1,2-Dichloroethane-
d4","52","ug/L",,"0.3","NA",,"SURR","103",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","2037-26-5","Toluene-
d8","53","ug/L",,"0.3","NA",,"SURR","106",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","460-00-4","4-
Bromofluorobenzene","52","ug/L",,"0.3","NA",,"SURR","103",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","110-82-
7","Cyclohexane","23","ug/L",,"-99","NA",,"SPK","114",,"-99","NA","YES","20","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","79-20-9","Methyl
Acetate","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","108-87-
2","Methylcyclohexane","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-71-
8","Dichlorodifluoromethane","20","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","20","TF1-GT-132-
031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","74-87-
3","Chloromethane","20","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-01-4","Vinyl
Chloride","21","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","74-83-
9","Bromomethane","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-00-
3","Chloroethane","20","ug/L",,"-99","NA",,"SPK","101",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-69-
4","Trichlorofluoromethane","27","ug/L",,"-99","NA",,"SPK","134",,"-99","NA","YES","20","TF1-GT-132-
031618",,,"1",

"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-35-4","1,1-Dichloroethene","26","ug/L",,"-99","NA",,"SPK","131",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-09-2","Methylene Chloride","23","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","156-60-5","trans-1,2-Dichloroethene","24","ug/L",,"-99","NA",,"SPK","120",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-34-3","1,1-Dichloroethane","23","ug/L",,"-99","NA",,"SPK","114",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","156-59-2","cis-1,2-Dichloroethene","23","ug/L",,"-99","NA",,"SPK","115",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","67-66-3","Chloroform","24","ug/L",,"-99","NA",,"SPK","120",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","74-97-5","Bromochloromethane","22","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","71-55-6","1,1,1-Trichloroethane","24","ug/L",,"-99","NA",,"SPK","118",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","56-23-5","Carbon Tetrachloride","26","ug/L",,"-99","NA",,"SPK","129",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","71-43-2","Benzene","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","107-06-2","1,2-Dichloroethane","25","ug/L",,"-99","NA",,"SPK","123",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","79-01-6","Trichloroethene","24","ug/L",,"-99","NA",,"SPK","118",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","78-87-5","1,2-Dichloropropane","22","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-27-4","Bromodichloromethane","22","ug/L",,"-99","NA",,"SPK","112",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","108-88-3","Toluene","22","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","79-00-5","1,1,2-Trichloroethane","24","ug/L",,"-99","NA",,"SPK","118",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","127-18-4","Tetrachloroethene","24","ug/L",,"-99","NA",,"SPK","119",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","124-48-1","Dibromochloromethane","23","ug/L",,"-99","NA",,"SPK","115",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","106-93-4","1,2-Dibromoethane","22","ug/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","108-90-7","Chlorobenzene","22","ug/L",,"-99","NA",,"SPK","112",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","100-41-4","Ethylbenzene","23","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","179601-23-1","m+p-Xylene","44","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","40","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","95-47-6","o-Xylene","21","ug/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","100-42-5","Styrene","22","ug/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-25-2","Bromoform","22","ug/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","98-82-

8","Isopropylbenzene","23","ug/L",,"-99","NA",,"SPK","114",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","79-34-5","1,1,2,2-
Tetrachloroethane","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","541-73-1","1,3-
Dichlorobenzene","21","ug/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","106-46-7","1,4-
Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","95-50-1","1,2-
Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","96-12-8","1,2-Dibromo-3-
chloropropane","24","ug/L",,"-99","NA",,"SPK","120",,"-99","NA","YES","20","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","120-82-1","1,2,4-
Trichlorobenzene","20","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","87-61-6","1,2,3-
Trichlorobenzene","20","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","67-64-
1","Acetone","150","ug/L",,"-99","NA",,"SPK","98",,"-99","NA","YES","150","TF1-GT-132-031618",,,"20",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","75-15-0","Carbon
Disulfide","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","78-93-3","2-
Butanone","160","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","150","TF1-GT-132-031618",,,"8",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","10061-02-6","trans-1,3-
Dichloropropene","21","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","10061-01-5","cis-1,3-
Dichloropropene","20","ug/L",,"-99","NA",,"SPK","101",,"-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","108-10-1","4-Methyl-2-
pentanone","110","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","100","TF1-GT-132-031618",,,"8",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","591-78-6","2-
Hexanone","110","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","100","TF1-GT-132-031618",,,"8",
"TF1-GT-132-031618 MS","8260C","RES","9509983","LL","76-13-1","Freon
113","26","ug/L",,"-99","NA",,"SPK","128",,"-99","NA","YES","20","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MS","SM2320B","RES","9509983","LL","ALKT","Total Alkalinity to pH
4.5","192","mgCaCO3/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","188","TF1-GT-132-031618",,,"5.0",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","90-12-0","1-
Methylnaphthalene","0.8","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","93951-69-0","Fluoranthene-
d10","0.8","ug/L",,"0.02","NA",,"SURR","88",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.09",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","63466-71-7","Benzo(a)pyrene-
d12","0.9","ug/L",,"0.02","NA",,"SURR","92",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.09",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","38072-94-5","1-Methylnaphthalene-
d10","0.9","ug/L",,"0.02","NA",,"SURR","93",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.09",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","91-20-
3","Naphthalene","0.8","ug/L",,"-99","NA",,"SPK","86",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.06",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","91-57-6","2-
Methylnaphthalene","0.8","ug/L",,"-99","NA",,"SPK","81",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","208-96-
8","Acenaphthylene","0.7","ug/L",,"-99","NA",,"SPK","75",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","83-32-
9","Acenaphthene","0.9","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","86-73-
7","Fluorene","0.8","ug/L",,"-99","NA",,"SPK","82",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","85-01-
8","Phenanthrene","0.8","ug/L",,"-99","NA",,"SPK","80",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.06",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","120-12-

7","Anthracene","0.8","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","206-44-
0","Fluoranthene","0.8","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","129-00-
0","Pyrene","0.7","ug/L",,"-99","NA",,"SPK","79",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","56-55-
3","Benzo(a)anthracene","0.8","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","0.9","TF1-GT-132-
031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","218-01-
9","Chrysene","0.8","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","205-99-
2","Benzo(b)fluoranthene","0.9","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","0.9","TF1-GT-132-
031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","207-08-
9","Benzo(k)fluoranthene","0.8","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","0.9","TF1-GT-132-
031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","50-32-
8","Benzo(a)pyrene","0.8","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.8","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","0.9","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","53-70-
3","Dibenz(a,h)anthracene","0.9","ug/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","0.9","TF1-GT-132-
031618",,,"0.04",
"TF1-GT-132-031618 MS","8270D SIM","RES","9509983","LL","191-24-
2","Benzo(g,h,i)perylene","0.8","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","0.9","TF1-GT-132-
031618",,,"0.04",
"TF1-GT-132-031618 MS","RSK-175M","RES","9509983","LL","74-82-
8","Methane","110","ug/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","60","TF1-GT-132-031618",,,"6.0",
"TF1-GT-132-031618 MS","RSK-175M","RES","9509983","LL","115-07-
1","Propene","22","ug/L",,"1.0","NA",,"SURR","106",,"-99","NA","YES","21","TF1-GT-132-031618",,,"2.1",
"TF1-GT-132-031618 MS","RSK-175M","RES","9509983","LL","74-84-
0","Ethane","62","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","58","TF1-GT-132-031618",,,"0.80",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","335-67-1","Perfluorooctanoic
acid","18","ng/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"0.98",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-22-4L","13C4-
PFBA","18","ng/L",,"3.0","NA",,"SURR","89",,"-99","NA","YES","20","TF1-GT-132-031618",,,"9.8",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","1763-23-1L","13C8-
PFOS","15","ng/L",,"4.9","NA",,"SURR","77",,"-99","NA","YES","19","TF1-GT-132-031618",,,"9.8",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-95-1L","13C9-
PFNA","17","ng/L",,"0.98","NA",,"SURR","86",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","335-76-2L","13C6-
PFDA","18","ng/L",,"0.98","NA",,"SURR","91",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","2058-94-8L","13C7-
PFUnDA","16","ng/L",,"2.0","NA",,"SURR","81",,"-99","NA","YES","20","TF1-GT-132-031618",,,"3.9",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","307-55-1L","13C2-
PFDoDA","15","ng/L",,"3.0","NA",,"SURR","78",,"-99","NA","YES","20","TF1-GT-132-031618",,,"4.9",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","376-06-7L","13C2-
PFTeDA","9.1","ng/L",,"3.0","NA",,"SURR","46",,"-99","NA","YES","20","TF1-GT-132-031618",,,"4.9",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","754-91-6L","13C8-
PFOSA","14","ng/L",,"3.0","NA",,"SURR","71",,"-99","NA","YES","20","TF1-GT-132-031618",,,"8.9",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","2706-90-3L","13C5-
PFPeA","23","ng/L",,"0.98","NA",,"SURR","119",,"-99","NA","YES","20","TF1-GT-132-031618",,,"3.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-73-5L","13C3-
PFBS","22","ng/L",,"3.0","NA",,"SURR","123",,"-99","NA","YES","18","TF1-GT-132-031618",,,"9.8",

"TF1-GT-132-031618 MS","537M","RES","9509983","LL","307-24-4L","13C5-
PFHxA","19","ng/L",,"0.98","NA",,"SURR","97",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","355-46-4L","13C3-
PFHxS","16","ng/L",,"3.9","NA",,"SURR","85",,"-99","NA","YES","19","TF1-GT-132-031618",,,"9.8",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-85-9L","13C4-
PFHpA","19","ng/L",,"0.98","NA",,"SURR","94",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","335-67-1L","13C8-
PFOA","17","ng/L",,"0.98","NA",,"SURR","89",,"-99","NA","YES","20","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-95-1","Perfluorononanoic
acid","8.1","ng/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","335-76-2","Perfluorodecanoic
acid","5.1","ng/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"3.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","2058-94-8","Perfluoroundecanoic
acid","8.1","ng/L",,"-99","NA",,"SPK","101",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","307-55-1","Perfluorododecanoic
acid","5.0","ng/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"0.98",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","72629-94-8","Perfluorotridecanoic
acid","4.1","ng/L",,"-99","NA",,"SPK","77",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","376-06-7","Perfluorotetradecanoic
acid","4.8","ng/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","307-24-4","Perfluorohexanoic
acid","16","ng/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"3.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-85-9","Perfluoroheptanoic
acid","16","ng/L",,"-99","NA",,"SPK","131",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"0.98",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-73-
5","Perfluorobutanesulfonate","5.7","ng/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","4.7","TF1-GT-132-
031618",,,"0.98",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","355-46-
4","Perfluorohexanesulfonate","30","ng/L",,"-99","NA",,"SPK","164",,"-99","NA","YES","5.1","TF1-GT-132-
031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","1763-23-1","Perfluoro-
octanesulfonate","12","ng/L",,"-99","NA",,"SPK","112",,"-99","NA","YES","5.1","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-22-4","Perfluorobutanoic
acid","9.1","ng/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"5.9",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","2706-90-3","Perfluoropentanoic
acid","18","ng/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","5.4","TF1-GT-132-031618",,,"5.9",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","375-92-
8","Perfluoroheptanesulfonate","4.3","ng/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","5.1","TF1-GT-132-
031618",,,"2.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","335-77-
3","Perfluorodecanesulfonate","4.3","ng/L",,"-99","NA",,"SPK","82",,"-99","NA","YES","5.2","TF1-GT-132-
031618",,,"3.0",
"TF1-GT-132-031618 MS","537M","RES","9509983","LL","754-91-
6","Perfluorooctanesulfonamide","4.4","ng/L",,"-99","NA",,"SPK","81",,"-99","NA","YES","5.4","TF1-GT-132-
031618",,,"3.0",
"TF1-GT-132-031618 MSD","7470A","RES","9509984","LL","7439-97-
6","Mercury","0.00094","mg/L",,"-99","NA",,"SPK","94","0","-99","NA","YES","0.0010","TF1-GT-132-
031618",,,"0.00010",
"TF1-GT-132-031618 MSD","8015C","RES","9509984","LL","PHCE","Total
TPH","0.69","mg/L",,"-99","NA",,"SPK","82","1","-99","NA","YES","0.76","TF1-GT-132-031618",,,"0.095",
"TF1-GT-132-031618 MSD","8015C","RES","9509984","LL","108-90-
7","Chlorobenzene","0.010","mg/L",,"0.00057","NA",,"SURR","92",,"-99","NA","YES","0.011","TF1-GT-132-
031618",,,"0.0011",
"TF1-GT-132-031618 MSD","8015C","RES","9509984","LL","84-15-

1","Orthoterphenyl","0.011","mg/L",,"0.00057","NA",,"SURR","99",,"-99","NA","YES","0.011","TF1-GT-132-031618",,,"0.0011",
"TF1-GT-132-031618 MSD","8015C","RES","9509984","LL","PHCC8C44","C8-C44","0.69","mg/L",,"0.047","DL",,"TRG",,,"0.19","LOQ","YES","-99","TF1-GT-132-031618",,,"0.095",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7429-90-5","Aluminum","2.03","mg/L",,"-99","NA",,"SPK","101","4","-99","NA","YES","2.00","TF1-GT-132-031618",,,"0.0500",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-36-0","Antimony","0.0067","mg/L",,"-99","NA",,"SPK","111","12","-99","NA","YES","0.0060","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-38-2","Arsenic","0.0110","mg/L",,"-99","NA",,"SPK","110","1","-99","NA","YES","0.0100","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-39-3","Barium","0.0562","mg/L",,"-99","NA",,"SPK","102","4","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-41-7","Beryllium","0.0042","mg/L",,"-99","NA",,"SPK","106","1","-99","NA","YES","0.0040","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-43-9","Cadmium","0.0051","mg/L",,"-99","NA",,"SPK","103","0","-99","NA","YES","0.0050","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-70-2","Calcium","11.3","mg/L",,"-99","NA",,"SPK","123","3","-99","NA","YES","4.00","TF1-GT-132-031618",,,"0.200",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-47-3","Chromium","0.0524","mg/L",,"-99","NA",,"SPK","105","3","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-48-4","Cobalt","0.262","mg/L",,"-99","NA",,"SPK","104","2","-99","NA","YES","0.250","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-50-8","Copper","0.0530","mg/L",,"-99","NA",,"SPK","105","1","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7439-89-6","Iron","1.12","mg/L",,"-99","NA",,"SPK","108","0","-99","NA","YES","1.00","TF1-GT-132-031618",,,"0.100",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7439-92-1","Lead","0.0159","mg/L",,"-99","NA",,"SPK","106","2","-99","NA","YES","0.0150","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7439-95-4","Magnesium","3.57","mg/L",,"-99","NA",,"SPK","107","2","-99","NA","YES","2.00","TF1-GT-132-031618",,,"0.0250",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7439-96-5","Manganese","0.152","mg/L",,"-99","NA",,"SPK","117","2","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7439-98-7","Molybdenum","0.0498","mg/L",,"-99","NA",,"SPK","100","1","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-02-0","Nickel","0.0586","mg/L",,"-99","NA",,"SPK","108","2","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-09-7","Potassium","11.5","mg/L",,"-99","NA",,"SPK","105","1","-99","NA","YES","10.0","TF1-GT-132-031618",,,"0.200",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7782-49-

2","Selenium","0.0105","mg/L",,"-99","NA",,"SPK","105","7","-99","NA","YES","0.0100","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-22-4","Silver","0.0518","mg/L",,"-99","NA",,"SPK","104","1","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-23-5","Sodium","15.3","mg/L",,"-99","NA",,"SPK","106","2","-99","NA","YES","10.0","TF1-GT-132-031618",,,"0.100",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-28-0","Thallium","0.0020","mg/L",,"-99","NA",,"SPK","101","5","-99","NA","YES","0.0020","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-62-2","Vanadium","0.0522","mg/L",,"-99","NA",,"SPK","104","3","-99","NA","YES","0.0500","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 MSD","6020A","RES","9509984","LL","7440-66-6","Zinc","0.515","mg/L",,"-99","NA",,"SPK","102","1","-99","NA","YES","0.500","TF1-GT-132-031618",,,"0.0075",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","92-52-4","1,1'-Biphenyl","42","ug/L",,"-99","NA",,"SPK","88","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","13127-88-3","Phenol-d6","64","ug/L",,"9","NA",,"SURR","34",,"-99","NA","YES","190","TF1-GT-132-031618",,,"19",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","367-12-4","2-Fluorophenol","100","ug/L",,"9","NA",,"SURR","53",,"-99","NA","YES","190","TF1-GT-132-031618",,,"19",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","118-79-6","2,4,6-Tribromophenol","150","ug/L",,"9","NA",,"SURR","82",,"-99","NA","YES","190","TF1-GT-132-031618",,,"19",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","4165-60-0","Nitrobenzene-d5","80","ug/L",,"5","NA",,"SURR","85",,"-99","NA","YES","95","TF1-GT-132-031618",,,"9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","321-60-8","2-Fluorobiphenyl","81","ug/L",,"5","NA",,"SURR","85",,"-99","NA","YES","95","TF1-GT-132-031618",,,"9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","1718-51-0","Terphenyl-d14","79","ug/L",,"5","NA",,"SURR","84",,"-99","NA","YES","95","TF1-GT-132-031618",,,"9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","58-90-2","2,3,4,6-Tetrachlorophenol","41","ug/L",,"-99","NA",,"SPK","87","7","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","98-86-2","Acetophenone","41","ug/L",,"-99","NA",,"SPK","86","0","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","87-65-0","2,6-Dichlorophenol","43","ug/L",,"-99","NA",,"SPK","91","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","95-94-3","1,2,4,5-Tetrachlorobenzene","40","ug/L",,"-99","NA",,"SPK","85","7","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","106-44-5","4-Methylphenol","36","ug/L",,"-99","NA",,"SPK","76","0","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","106-47-8","4-Chloroaniline","36","ug/L",,"-99","NA",,"SPK","76","55","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","132-64-9","Dibenzofuran","42","ug/L",,"-99","NA",,"SPK","88","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","91-57-6","2-Methylnaphthalene","41","ug/L",,"-99","NA",,"SPK","87","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","88-74-4","2-Nitroaniline","46","ug/L",,"-99","NA",,"SPK","97","6","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","99-09-2","3-Nitroaniline","44","ug/L",,"-99","NA",,"SPK","92","9","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","100-01-6","4-Nitroaniline","40","ug/L",,"-99","NA",,"SPK","84","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","95-95-4","2,4,5-Trichlorophenol","45","ug/L",,"-99","NA",,"SPK","96","3","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","95-57-8","2-

Chlorophenol","42","ug/L",,"-99","NA",,"SPK","88","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","108-95-
2","Phenol","20","ug/L",,"-99","NA",,"SPK","42","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","88-75-5","2-
Nitrophenol","47","ug/L",,"-99","NA",,"SPK","99","3","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","105-67-9","2,4-
Dimethylphenol","37","ug/L",,"-99","NA",,"SPK","78","6","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","120-83-2","2,4-
Dichlorophenol","45","ug/L",,"-99","NA",,"SPK","95","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","59-50-7","4-Chloro-3-
methylphenol","42","ug/L",,"-99","NA",,"SPK","90","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","88-06-2","2,4,6-
Trichlorophenol","45","ug/L",,"-99","NA",,"SPK","94","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","51-28-5","2,4-
Dinitrophenol","78","ug/L",,"-99","NA",,"SPK","82","3","-99","NA","YES","95","TF1-GT-132-031618",,,"28",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","100-02-7","4-
Nitrophenol","23","ug/L","J","-99","NA",,"SPK","49","10","-99","NA","YES","47","TF1-GT-132-031618",,,"28",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","534-52-1","4,6-Dinitro-2-
methylphenol","42","ug/L",,"-99","NA",,"SPK","89","3","-99","NA","YES","47","TF1-GT-132-031618",,,"14",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","87-86-
5","Pentachlorophenol","24","ug/L",,"-99","NA",,"SPK","50","21","-99","NA","YES","47","TF1-GT-132-
031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","111-44-4","bis(2-
Chloroethyl)ether","40","ug/L",,"-99","NA",,"SPK","85","2","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","67-72-
1","Hexachloroethane","34","ug/L",,"-99","NA",,"SPK","72","1","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","621-64-7","N-Nitroso-di-n-
propylamine","40","ug/L",,"-99","NA",,"SPK","83","0","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","98-95-
3","Nitrobenzene","41","ug/L",,"-99","NA",,"SPK","87","6","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","78-59-
1","Isophorone","42","ug/L",,"-99","NA",,"SPK","89","3","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","111-91-1","bis(2-
Chloroethoxy)methane","41","ug/L",,"-99","NA",,"SPK","87","4","-99","NA","YES","47","TF1-GT-132-
031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","91-20-
3","Naphthalene","39","ug/L",,"-99","NA",,"SPK","83","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","87-68-
3","Hexachlorobutadiene","36","ug/L",,"-99","NA",,"SPK","76","2","-99","NA","YES","47","TF1-GT-132-
031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","77-47-
4","Hexachlorocyclopentadiene","78","ug/L",,"-99","NA",,"SPK","82","10","-99","NA","YES","95","TF1-GT-132-
031618",,,"14",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","91-58-7","2-
Chloronaphthalene","42","ug/L",,"-99","NA",,"SPK","89","3","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","208-96-
8","Acenaphthylene","47","ug/L",,"-99","NA",,"SPK","100","5","-99","NA","YES","47","TF1-GT-132-
031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","131-11-
3","Dimethylphthalate","39","ug/L",,"-99","NA",,"SPK","83","7","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","606-20-2","2,6-
Dinitrotoluene","45","ug/L",,"-99","NA",,"SPK","96","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","83-32-
9","Acenaphthene","43","ug/L",,"-99","NA",,"SPK","91","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",

"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","121-14-2","2,4-Dinitrotoluene","43","ug/L",,"-99","NA",,"SPK","90","6","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","86-73-7","Fluorene","43","ug/L",,"-99","NA",,"SPK","90","7","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","7005-72-3","4-Chlorophenyl-phenylether","40","ug/L",,"-99","NA",,"SPK","84","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","84-66-2","Diethylphthalate","41","ug/L",,"-99","NA",,"SPK","87","6","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","86-30-6","N-Nitrosodiphenylamine","44","ug/L",,"-99","NA",,"SPK","93","3","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","101-55-3","4-Bromophenyl-phenylether","41","ug/L",,"-99","NA",,"SPK","86","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","118-74-1","Hexachlorobenzene","42","ug/L",,"-99","NA",,"SPK","89","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","85-01-8","Phenanthrene","41","ug/L",,"-99","NA",,"SPK","87","3","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","120-12-7","Anthracene","43","ug/L",,"-99","NA",,"SPK","91","2","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","84-74-2","Di-n-butylphthalate","43","ug/L",,"-99","NA",,"SPK","91","3","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","206-44-0","Fluoranthene","43","ug/L",,"-99","NA",,"SPK","90","0","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","129-00-0","Pyrene","41","ug/L",,"-99","NA",,"SPK","87","2","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","85-68-7","Butylbenzylphthalate","43","ug/L",,"-99","NA",,"SPK","91","2","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","56-55-3","Benzo(a)anthracene","42","ug/L",,"-99","NA",,"SPK","89","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","218-01-9","Chrysene","40","ug/L",,"-99","NA",,"SPK","85","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","91-94-1","3,3'-Dichlorobenzidine","39","ug/L",,"-99","NA",,"SPK","82","1","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","117-81-7","bis(2-Ethylhexyl)phthalate","43","ug/L",,"-99","NA",,"SPK","91","3","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","117-84-0","Di-n-octylphthalate","48","ug/L",,"-99","NA",,"SPK","101","4","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","205-99-2","Benzo(b)fluoranthene","47","ug/L",,"-99","NA",,"SPK","99","0","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","207-08-9","Benzo(k)fluoranthene","41","ug/L",,"-99","NA",,"SPK","86","7","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","50-32-8","Benzo(a)pyrene","44","ug/L",,"-99","NA",,"SPK","93","2","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","193-39-5","Indeno(1,2,3-cd)pyrene","42","ug/L",,"-99","NA",,"SPK","88","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","53-70-3","Dibenz(a,h)anthracene","45","ug/L",,"-99","NA",,"SPK","94","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","191-24-

2","Benzo(g,h,i)perylene","42","ug/L",,"-99","NA",,"SPK","88","5","-99","NA","YES","47","TF1-GT-132-031618",,,"0.2",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","95-48-7","2-Methylphenol","38","ug/L",,"-99","NA",,"SPK","80","4","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","108-60-1","2,2'-oxybis(1-Chloropropane)","39","ug/L",,"-99","NA",,"SPK","82","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","86-74-8","Carbazole","45","ug/L",,"-99","NA",,"SPK","94","1","-99","NA","YES","47","TF1-GT-132-031618",,,"0.9",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","1912-24-9","Atrazine","41","ug/L",,"-99","NA",,"SPK","86","5","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","105-60-2","Caprolactam","10","ug/L","J","-99","NA",,"SPK","21","13","-99","NA","YES","47","TF1-GT-132-031618",,,"14",
"TF1-GT-132-031618 MSD","8270D","RES","9509984","LL","100-52-7","Benzaldehyde","39","ug/L",,"-99","NA",,"SPK","83","5","-99","NA","YES","47","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","53494-70-5","Endrin Ketone","0.1","ug/L","D1","-99","NA",,"SPK","69","22","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","877-09-8","Tetrachloro-m-xylene-D1","0.2","ug/L",,"0.01","NA",,"SURR","56",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","2051-24-3","Decachlorobiphenyl-D1","0.2","ug/L",,"0.01","NA",,"SURR","58",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","877-09-8","Tetrachloro-m-xylene-D2","0.2","ug/L",,"0.01","NA",,"SURR","51",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","2051-24-3","Decachlorobiphenyl-D2","0.2","ug/L",,"0.01","NA",,"SURR","55",,"-99","NA","YES","0.3","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","5103-71-9","Alpha Chlordane","0.06","ug/L","D1","-99","NA",,"SPK","61","24","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","5103-74-2","Gamma Chlordane","0.07","ug/L","D2","-99","NA",,"SPK","65","25","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","7421-93-4","Endrin Aldehyde","0.1","ug/L","D1","-99","NA",,"SPK","60","21","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.03",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","319-84-6","Alpha BHC","0.06","ug/L","D1","-99","NA",,"SPK","65","23","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","319-85-7","Beta BHC","0.06","ug/L","D1","-99","NA",,"SPK","60","21","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","58-89-9","Gamma BHC - Lindane","0.06","ug/L","D1","-99","NA",,"SPK","65","21","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","319-86-8","Delta BHC","0.06","ug/L","D1","-99","NA",,"SPK","63","22","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","76-44-8","Heptachlor","0.06","ug/L","D1","-99","NA",,"SPK","63","26","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","309-00-2","Aldrin","0.05","ug/L","D1","-99","NA",,"SPK","54","26","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","1024-57-3","Heptachlor Epoxide","0.06","ug/L","D1","-99","NA",,"SPK","63","23","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.006",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","72-55-9","p,p-DDE","0.1","ug/L","D1","-99","NA",,"SPK","65","26","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","72-54-8","p,p-DDD","0.1","ug/L","D1","-99","NA",,"SPK","76","24","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","50-29-3","p,p-DDT","0.1","ug/L","D1","-99","NA",,"SPK","72","25","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","72-43-

5","Methoxychlor","0.8","ug/L","D1","-99","NA",,"SPK","83","25","-99","NA","YES","1","TF1-GT-132-031618",,,"0.06",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","60-57-1","Dieldrin","0.1","ug/L","D1","-99","NA",,"SPK","67","25","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.008",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","72-20-8","Endrin","0.1","ug/L","D1","-99","NA",,"SPK","66","32","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","8001-35-2","Toxaphene","0.5","ug/L","UD1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99","TF1-GT-132-031618",,,"0.5",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","959-98-8","Endosulfan I","0.06","ug/L","D2","-99","NA",,"SPK","61","24","-99","NA","YES","0.1","TF1-GT-132-031618",,,"0.007",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","33213-65-9","Endosulfan II","0.1","ug/L","D1","-99","NA",,"SPK","62","24","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.02",
"TF1-GT-132-031618 MSD","8081B","RES","9509984","LL","1031-07-8","Endosulfan Sulfate","0.1","ug/L","D1","-99","NA",,"SPK","64","26","-99","NA","YES","0.2","TF1-GT-132-031618",,,"0.01",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","12674-11-2","PCB-1016","5.1","ug/L","D2","-99","NA",,"SPK","100","4","-99","NA","YES","5.1","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","877-09-8","Tetrachloro-m-xylene-D1","0.32","ug/L",,"0.012","NA",,"SURR","101",,"-99","NA","YES","0.31","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","2051-24-3","Decachlorobiphenyl-D1","0.27","ug/L",,"0.012","NA",,"SURR","99",,"-99","NA","YES","0.28","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","877-09-8","Tetrachloro-m-xylene-D2","0.32","ug/L",,"0.012","NA",,"SURR","102",,"-99","NA","YES","0.31","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","2051-24-3","Decachlorobiphenyl-D2","0.27","ug/L",,"0.012","NA",,"SURR","99",,"-99","NA","YES","0.28","TF1-GT-132-031618",,,"0.024",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","11104-28-2","PCB-1221","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","11141-16-5","PCB-1232","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","53469-21-9","PCB-1242","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","12672-29-6","PCB-1248","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","11097-69-1","PCB-1254","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","11096-82-5","PCB-1260","6.5","ug/L","D1","-99","NA",,"SPK","128","0","-99","NA","YES","5.1","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","37324-23-5","PCB-1262","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","11100-14-4","PCB-1268","0.082","ug/L","UD1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","8082A","RES","9509984","LL","1336-36-3","Total PCBs","12","ug/L",,"0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99","TF1-GT-132-031618",,,"0.082",
"TF1-GT-132-031618 MSD","9056A","RES","9509984","LL","16887-00-6","Chloride","20.1","mg/L",,"-99","NA",,"SPK","114","3","-99","NA","YES","10.0","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 MSD","9056A","RES","9509984","LL","14808-79-8","Sulfate","39.9","mg/L",,"-99","NA",,"SPK","111","2","-99","NA","YES","25.0","TF1-GT-132-031618",,,"5.0",
"TF1-GT-132-031618 MSD","9056A","RES","9509984","LL","14797-55-8","Nitrate Nitrogen","2.9","mg/L",,"-99","NA",,"SPK","116","3","-99","NA","YES","2.5","TF1-GT-132-031618",,,"0.50",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","1634-04-4","Methyl Tertiary Butyl Ether","21","ug/L",,"-99","NA",,"SPK","107","7","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","1868-53-7","Dibromofluoromethane","54","ug/L",,"0.3","NA",,"SURR","108",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",

"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","17060-07-0","1,2-Dichloroethane-d4","53","ug/L",,"0.3","NA",,"SURR","107",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","2037-26-5","Toluene-d8","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","460-00-4","4-Bromofluorobenzene","51","ug/L",,"0.3","NA",,"SURR","102",,"-99","NA","YES","50","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","110-82-7","Cyclohexane","23","ug/L",,"-99","NA",,"SPK","115","1","-99","NA","YES","20","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","79-20-9","Methyl Acetate","21","ug/L",,"-99","NA",,"SPK","107","3","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","108-87-2","Methylcyclohexane","22","ug/L",,"-99","NA",,"SPK","111","1","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-71-8","Dichlorodifluoromethane","19","ug/L",,"-99","NA",,"SPK","97","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","74-87-3","Chloromethane","21","ug/L",,"-99","NA",,"SPK","103","5","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-01-4","Vinyl Chloride","22","ug/L",,"-99","NA",,"SPK","108","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","74-83-9","Bromomethane","23","ug/L",,"-99","NA",,"SPK","117","5","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-00-3","Chloroethane","21","ug/L",,"-99","NA",,"SPK","107","6","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-69-4","Trichlorofluoromethane","27","ug/L",,"-99","NA",,"SPK","133","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-35-4","1,1-Dichloroethene","26","ug/L",,"-99","NA",,"SPK","132","0","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-09-2","Methylene Chloride","23","ug/L",,"-99","NA",,"SPK","115","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","156-60-5","trans-1,2-Dichloroethene","24","ug/L",,"-99","NA",,"SPK","121","0","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-34-3","1,1-Dichloroethane","23","ug/L",,"-99","NA",,"SPK","116","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","156-59-2","cis-1,2-Dichloroethene","23","ug/L",,"-99","NA",,"SPK","116","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","67-66-3","Chloroform","24","ug/L",,"-99","NA",,"SPK","119","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","74-97-5","Bromochloromethane","22","ug/L",,"-99","NA",,"SPK","111","1","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","71-55-6","1,1,1-Trichloroethane","23","ug/L",,"-99","NA",,"SPK","115","3","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","56-23-5","Carbon Tetrachloride","25","ug/L",,"-99","NA",,"SPK","127","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","71-43-2","Benzene","22","ug/L",,"-99","NA",,"SPK","109","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","107-06-2","1,2-Dichloroethane","25","ug/L",,"-99","NA",,"SPK","124","0","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","79-01-6","Trichloroethene","23","ug/L",,"-99","NA",,"SPK","113","4","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","78-87-5","1,2-Dichloropropane","23","ug/L",,"-99","NA",,"SPK","113","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",

"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-27-4","Bromodichloromethane","22","ug/L",,"-99","NA",,"SPK","110","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","108-88-3","Toluene","22","ug/L",,"-99","NA",,"SPK","111","0","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
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"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","127-18-4","Tetrachloroethene","23","ug/L",,"-99","NA",,"SPK","117","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","124-48-1","Dibromochloromethane","22","ug/L",,"-99","NA",,"SPK","112","3","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","106-93-4","1,2-Dibromoethane","22","ug/L",,"-99","NA",,"SPK","110","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","108-90-7","Chlorobenzene","22","ug/L",,"-99","NA",,"SPK","111","1","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","100-41-4","Ethylbenzene","22","ug/L",,"-99","NA",,"SPK","111","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","179601-23-1","m+p-Xylene","45","ug/L",,"-99","NA",,"SPK","112","1","-99","NA","YES","40","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","95-47-6","o-Xylene","21","ug/L",,"-99","NA",,"SPK","103","4","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","100-42-5","Styrene","21","ug/L",,"-99","NA",,"SPK","105","3","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-25-2","Bromoform","20","ug/L",,"-99","NA",,"SPK","102","6","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","98-82-8","Isopropylbenzene","22","ug/L",,"-99","NA",,"SPK","112","2","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","79-34-5","1,1,2,2-Tetrachloroethane","22","ug/L",,"-99","NA",,"SPK","111","2","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","541-73-1","1,3-Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","108","1","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","106-46-7","1,4-Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","111","0","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","95-50-1","1,2-Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","111","0","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","96-12-8","1,2-Dibromo-3-chloropropane","24","ug/L",,"-99","NA",,"SPK","118","2","-99","NA","YES","20","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","120-82-1","1,2,4-Trichlorobenzene","21","ug/L",,"-99","NA",,"SPK","103","3","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","87-61-6","1,2,3-Trichlorobenzene","22","ug/L",,"-99","NA",,"SPK","108","7","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","67-64-1","Acetone","140","ug/L",,"-99","NA",,"SPK","96","3","-99","NA","YES","150","TF1-GT-132-031618",,,"20",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","75-15-0","Carbon Disulfide","23","ug/L",,"-99","NA",,"SPK","115","4","-99","NA","YES","20","TF1-GT-132-031618",,,"2",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","78-93-3","2-Butanone","160","ug/L",,"-99","NA",,"SPK","109","3","-99","NA","YES","150","TF1-GT-132-031618",,,"8",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","10061-02-6","trans-1,3-Dichloropropene","22","ug/L",,"-99","NA",,"SPK","110","4","-99","NA","YES","20","TF1-GT-132-031618",,,"1",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","10061-01-5","cis-1,3-Dichloropropene","20","ug/L",,"-99","NA",,"SPK","101","0","-99","NA","YES","20","TF1-GT-132-031618",,,"1",

"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","108-10-1","4-Methyl-2-pentanone","100","ug/L",,"-99","NA",,"SPK","105","1","-99","NA","YES","100","TF1-GT-132-031618",,,"8",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","591-78-6","2-Hexanone","110","ug/L",,"-99","NA",,"SPK","110","0","-99","NA","YES","100","TF1-GT-132-031618",,,"8",
"TF1-GT-132-031618 MSD","8260C","RES","9509984","LL","76-13-1","Freon 113","25","ug/L",,"-99","NA",,"SPK","126","2","-99","NA","YES","20","TF1-GT-132-031618",,,"4",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","90-12-0","1-Methylnaphthalene","0.8","ug/L",,"-99","NA",,"SPK","89","1","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","93951-69-0","Fluoranthene-d10","0.9","ug/L",,"0.02","NA",,"SURR","90",,"-99","NA","YES","1","TF1-GT-132-031618",,,"0.1",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","63466-71-7","Benzo(a)pyrene-d12","0.9","ug/L",,"0.02","NA",,"SURR","93",,"-99","NA","YES","1","TF1-GT-132-031618",,,"0.1",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","38072-94-5","1-Methylnaphthalene-d10","0.9","ug/L",,"0.02","NA",,"SURR","93",,"-99","NA","YES","1","TF1-GT-132-031618",,,"0.1",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","91-20-3","Naphthalene","0.8","ug/L",,"-99","NA",,"SPK","86","1","-99","NA","YES","1","TF1-GT-132-031618",,,"0.06",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","91-57-6","2-Methylnaphthalene","0.8","ug/L",,"-99","NA",,"SPK","82","1","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","208-96-8","Acenaphthylene","0.7","ug/L",,"-99","NA",,"SPK","75","1","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","83-32-9","Acenaphthene","1","ug/L",,"-99","NA",,"SPK","101","3","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","86-73-7","Fluorene","0.8","ug/L",,"-99","NA",,"SPK","83","1","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","85-01-8","Phenanthrene","0.8","ug/L",,"-99","NA",,"SPK","82","3","-99","NA","YES","1","TF1-GT-132-031618",,,"0.06",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","120-12-7","Anthracene","0.8","ug/L",,"-99","NA",,"SPK","86","4","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","206-44-0","Fluoranthene","0.8","ug/L",,"-99","NA",,"SPK","86","5","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","129-00-0","Pyrene","0.8","ug/L",,"-99","NA",,"SPK","80","2","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","56-55-3","Benzo(a)anthracene","0.8","ug/L",,"-99","NA",,"SPK","85","2","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","218-01-9","Chrysene","0.8","ug/L",,"-99","NA",,"SPK","85","2","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","205-99-2","Benzo(b)fluoranthene","0.9","ug/L",,"-99","NA",,"SPK","92","2","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","207-08-9","Benzo(k)fluoranthene","0.8","ug/L",,"-99","NA",,"SPK","87","4","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","50-32-8","Benzo(a)pyrene","0.9","ug/L",,"-99","NA",,"SPK","92","4","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","193-39-5","Indeno(1,2,3-cd)pyrene","0.9","ug/L",,"-99","NA",,"SPK","91","3","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","53-70-3","Dibenz(a,h)anthracene","0.9","ug/L",,"-99","NA",,"SPK","96","3","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","8270D SIM","RES","9509984","LL","191-24-2","Benzo(g,h,i)perylene","0.9","ug/L",,"-99","NA",,"SPK","91","4","-99","NA","YES","1","TF1-GT-132-031618",,,"0.04",
"TF1-GT-132-031618 MSD","RSK-175M","RES","9509984","LL","74-82-

8","Methane","110","ug/L",,"-99","NA",,"SPK","100","4","-99","NA","YES","60","TF1-GT-132-031618",,,"6.0",
"TF1-GT-132-031618 MSD","RSK-175M","RES","9509984","LL","115-07-
1","Propene","21","ug/L",,"1.0","NA",,"SURR","102",,"-99","NA","YES","21","TF1-GT-132-031618",,,"2.1",
"TF1-GT-132-031618 MSD","RSK-175M","RES","9509984","LL","74-84-
0","Ethane","60","ug/L",,"-99","NA",,"SPK","102","4","-99","NA","YES","58","TF1-GT-132-031618",,,"0.80",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","335-67-1","Perfluorooctanoic
acid","17","ng/L",,"-99","NA",,"SPK","89","6","-99","NA","YES","5.3","TF1-GT-132-031618",,,"0.97",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-22-4L","13C4-
PFBA","18","ng/L",,"2.9","NA",,"SURR","91",,"-99","NA","YES","19","TF1-GT-132-031618",,,"9.7",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","1763-23-1L","13C8-
PFOS","16","ng/L",,"4.9","NA",,"SURR","86",,"-99","NA","YES","19","TF1-GT-132-031618",,,"9.7",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-95-1L","13C9-
PFNA","17","ng/L",,"0.97","NA",,"SURR","88",,"-99","NA","YES","19","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","335-76-2L","13C6-
PFDA","19","ng/L",,"0.97","NA",,"SURR","96",,"-99","NA","YES","19","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","2058-94-8L","13C7-
PFUnDA","17","ng/L",,"1.9","NA",,"SURR","87",,"-99","NA","YES","19","TF1-GT-132-031618",,,"3.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","307-55-1L","13C2-
PFDoDA","16","ng/L",,"2.9","NA",,"SURR","84",,"-99","NA","YES","19","TF1-GT-132-031618",,,"4.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","376-06-7L","13C2-
PFTeDA","14","ng/L",,"2.9","NA",,"SURR","73",,"-99","NA","YES","19","TF1-GT-132-031618",,,"4.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","754-91-6L","13C8-
PFOSA","14","ng/L",,"2.9","NA",,"SURR","72",,"-99","NA","YES","19","TF1-GT-132-031618",,,"8.8",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","2706-90-3L","13C5-
PFPeA","24","ng/L",,"0.97","NA",,"SURR","121",,"-99","NA","YES","19","TF1-GT-132-031618",,,"2.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-73-5L","13C3-
PFBS","22","ng/L",,"2.9","NA",,"SURR","121",,"-99","NA","YES","18","TF1-GT-132-031618",,,"9.7",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","307-24-4L","13C5-
PFHxA","17","ng/L",,"0.97","NA",,"SURR","89",,"-99","NA","YES","19","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","355-46-4L","13C3-
PFHxS","16","ng/L",,"3.9","NA",,"SURR","85",,"-99","NA","YES","18","TF1-GT-132-031618",,,"9.7",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-85-9L","13C4-
PFHpA","19","ng/L",,"0.97","NA",,"SURR","96",,"-99","NA","YES","19","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","335-67-1L","13C8-
PFOA","17","ng/L",,"0.97","NA",,"SURR","90",,"-99","NA","YES","19","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-95-1","Perfluorononanoic
acid","8.0","ng/L",,"-99","NA",,"SPK","94","1","-99","NA","YES","5.3","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","335-76-2","Perfluorodecanoic
acid","4.8","ng/L",,"-99","NA",,"SPK","91","7","-99","NA","YES","5.3","TF1-GT-132-031618",,,"2.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","2058-94-8","Perfluoroundecanoic
acid","8.0","ng/L",,"-99","NA",,"SPK","99","2","-99","NA","YES","5.3","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","307-55-1","Perfluorododecanoic
acid","5.1","ng/L",,"-99","NA",,"SPK","96","2","-99","NA","YES","5.3","TF1-GT-132-031618",,,"0.97",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","72629-94-8","Perfluorotridecanoic
acid","4.9","ng/L",,"-99","NA",,"SPK","92","17","-99","NA","YES","5.3","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","376-06-7","Perfluorotetradecanoic
acid","5.2","ng/L",,"-99","NA",,"SPK","99","8","-99","NA","YES","5.3","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","307-24-4","Perfluorohexanoic
acid","17","ng/L",,"-99","NA",,"SPK","116","3","-99","NA","YES","5.3","TF1-GT-132-031618",,,"2.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-85-9","Perfluoroheptanoic
acid","14","ng/L",,"-99","NA",,"SPK","92","14","-99","NA","YES","5.3","TF1-GT-132-031618",,,"0.97",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-73-
5","Perfluorobutanesulfonate","5.8","ng/L",,"-99","NA",,"SPK","93","2","-99","NA","YES","4.7","TF1-GT-132-
031618",,,"0.97",

"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","355-46-4","Perfluorohexanesulfonate","27","ng/L",,"-99","NA",,"SPK","120","8","-99","NA","YES","5.0","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","1763-23-1","Perfluoro-octanesulfonate","11","ng/L",,"-99","NA",,"SPK","89","11","-99","NA","YES","5.1","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-22-4","Perfluorobutanoic acid","9.1","ng/L",,"-99","NA",,"SPK","89","0","-99","NA","YES","5.3","TF1-GT-132-031618",,,"5.8",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","2706-90-3","Perfluoropentanoic acid","16","ng/L",,"-99","NA",,"SPK","81","10","-99","NA","YES","5.3","TF1-GT-132-031618",,,"5.8",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","375-92-8","Perfluoroheptanesulfonate","4.4","ng/L",,"-99","NA",,"SPK","87","2","-99","NA","YES","5.0","TF1-GT-132-031618",,,"1.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","335-77-3","Perfluorodecanesulfonate","4.3","ng/L",,"-99","NA",,"SPK","85","2","-99","NA","YES","5.1","TF1-GT-132-031618",,,"2.9",
"TF1-GT-132-031618 MSD","537M","RES","9509984","LL","754-91-6","Perfluorooctanesulfonamide","4.8","ng/L",,"-99","NA",,"SPK","91","10","-99","NA","YES","5.3","TF1-GT-132-031618",,,"2.9",
"TF1-GT-132-031618 DUP","7470A","RES","9509985","LL","7439-97-6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,"0","0.00020","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00010",
"TF1-GT-132-031618 DUP","SM5310C","RES","9509985","LL","TOC","Total Organic Carbon","0.99","mg/L","J","0.50","DL",,"TRG",,"2","1.0","LOQ","YES","-99","TF1-GT-132-031618",,,"1.0",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7429-90-5","Aluminum","0.0500","mg/L","U","0.0215","DL",,"TRG",,"0","0.200","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0500",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-36-0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,"0","0.0020","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-38-2","Arsenic","0.0020","mg/L","U","0.00072","DL",,"TRG",,"0","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-39-3","Barium","0.0047","mg/L",,"0.00072","DL",,"TRG",,"5","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-41-7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,"0","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-43-9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,"0","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-70-2","Calcium","6.90","mg/L",,"0.0943","DL",,"TRG",,"7","0.400","LOQ","YES","-99","TF1-GT-132-031618",,,"0.200",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-47-3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,"0","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-48-4","Cobalt","0.0015","mg/L",,"0.00016","DL",,"TRG",,"6","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-50-8","Copper","0.00066","mg/L","J","0.00054","DL",,"TRG",,"14","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7439-89-

6","Iron","0.0378","mg/L","J","0.0374","DL",,"TRG",,"6","0.200","LOQ","YES","-99","TF1-GT-132-031618",,,"0.100",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7439-92-1","Lead","0.00025","mg/L","U","0.00011","DL",,"TRG",,"0","0.0020","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7439-95-4","Magnesium","1.42","mg/L",,"0.0106","DL",,"TRG",,"0","0.200","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0250",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7439-96-5","Manganese","0.0947","mg/L",,"0.00090","DL",,"TRG",,"1","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7439-98-7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,"0","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-02-0","Nickel","0.0046","mg/L",,"0.0010","DL",,"TRG",,"1","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0020",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-09-7","Potassium","1.08","mg/L",,"0.0525","DL",,"TRG",,"3","0.400","LOQ","YES","-99","TF1-GT-132-031618",,,"0.200",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7782-49-2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,"0","0.0040","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0010",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-22-4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,"0","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-23-5","Sodium","4.78","mg/L",,"0.0500","DL",,"TRG",,"2","0.400","LOQ","YES","-99","TF1-GT-132-031618",,,"0.100",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-28-0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,"0","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00025",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-62-2","Vanadium","0.00050","mg/L","U","0.00021","DL",,"TRG",,"0","0.0010","LOQ","YES","-99","TF1-GT-132-031618",,,"0.00050",
"TF1-GT-132-031618 DUP","6020A","RES","9509985","LL","7440-66-6","Zinc","0.0075","mg/L","U","0.0039","DL",,"TRG",,"200","0.0300","LOQ","YES","-99","TF1-GT-132-031618",,,"0.0075",
"TF1-GT-132-031618 DUP","9056A","RES","9509985","LL","16887-00-6","Chloride","9.0","mg/L",,"1.0","DL",,"TRG",,"4","2.0","LOQ","YES","-99","TF1-GT-132-031618",,,"2.0",
"TF1-GT-132-031618 DUP","9056A","RES","9509985","LL","14808-79-8","Sulfate","12.3","mg/L",,"1.5","DL",,"TRG",,"2","5.0","LOQ","YES","-99","TF1-GT-132-031618",,,"5.0",
"TF1-GT-132-031618 DUP","9056A","RES","9509985","LL","14797-55-8","Nitrate Nitrogen","0.50","mg/L","U","0.25","DL",,"TRG",,"0","0.50","LOQ","YES","-99","TF1-GT-132-031618",,,"0.50",
"TF1-GT-132-031618 DUP","SM2320B","RES","9509985","LL","ALKT","Total Alkalinity to pH 4.5","14.6","mgCaCO3/L",,"1.7","DL",,"TRG",,"14","5.0","LOQ","YES","-99","TF1-GT-132-031618",,,"5.0",
"TF1-GT-132-031618 DUP","SM5210B","RES","9509985","LL","BOD","Biochemical Oxygen Demand-BOD","2.00","mg/L","U","2.00","DL",,"TRG",,"0","2.00","LOQ","YES","-99","TF1-GT-132-031618",,,"2.00",
"TF1-DUP05-031618FD","7470A","RES","9509986","LL","7439-97-6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,,"0.00020","LOQ","YES","-99",,,,"0.00010",
"TF1-DUP05-031618FD","SM5310C","RES","9509986","LL","TOC","Total Organic Carbon","0.86","mg/L","J","0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"TF1-DUP05-031618FD","8015C","RES","9509986","LL","PHCE","Total TPH","0.095","mg/L","U","0.047","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.095",
"TF1-DUP05-031618FD","8015C","RES","9509986","LL","108-90-

7","Chlorobenzene","0.011","mg/L",,"0.00057","NA",,"SURR","94",,"-99","NA","YES","0.011400",,,,"0.0011",
"TF1-DUP05-031618FD","8015C","RES","9509986","LL","84-15-
1","Orthoterphenyl","0.011","mg/L",,"0.00057","NA",,"SURR","96",,"-99","NA","YES","0.011400",,,,"0.0011",
"TF1-DUP05-031618FD","8015C","RES","9509986","LL","PHCC8C44","C8-
C44","0.095","mg/L","U","0.047","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.095",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7429-90-
5","Aluminum","0.0500","mg/L","U","0.0215","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0500",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-36-
0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.0010",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-38-
2","Arsenic","0.0020","mg/L","U","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-39-
3","Barium","0.0045","mg/L",,"0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-41-
7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-43-
9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-70-
2","Calcium","7.40","mg/L",,"0.0943","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-47-
3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-48-
4","Cobalt","0.0017","mg/L",,"0.00016","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-50-
8","Copper","0.00059","mg/L","J","0.00054","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7439-89-
6","Iron","0.0524","mg/L","J","0.0374","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.100",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7439-92-
1","Lead","0.00025","mg/L","U","0.00011","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.00025",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7439-95-
4","Magnesium","1.55","mg/L",,"0.0106","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0250",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7439-96-
5","Manganese","0.103","mg/L",,"0.00090","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7439-98-
7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-02-
0","Nickel","0.0053","mg/L",,"0.0010","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-09-
7","Potassium","1.14","mg/L",,"0.0525","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7782-49-
2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-22-
4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-23-
5","Sodium","5.00","mg/L",,"0.0500","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.100",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-28-
0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-62-
2","Vanadium","0.00050","mg/L","U","0.00021","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-DUP05-031618FD","6020A","RES","9509986","LL","7440-66-
6","Zinc","0.0075","mg/L","U","0.0039","DL",,"TRG",,,"0.0300","LOQ","YES","-99",,,,"0.0075",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","92-52-4","1,1'-
Biphenyl","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","13127-88-3","Phenol-

d6","51","ug/L",,"9","NA",,"SURR","27",,"-99","NA","YES","188.147",,,,"19",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","367-12-4","2-
Fluorophenol","78","ug/L",,"9","NA",,"SURR","41",,"-99","NA","YES","188.147",,,,"19",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","118-79-6","2,4,6-
Tribromophenol","150","ug/L",,"9","NA",,"SURR","81",,"-99","NA","YES","188.147",,,,"19",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","4165-60-0","Nitrobenzene-
d5","78","ug/L",,"5","NA",,"SURR","82",,"-99","NA","YES","94.073",,,,"9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","321-60-8","2-
Fluorobiphenyl","76","ug/L",,"5","NA",,"SURR","81",,"-99","NA","YES","94.073",,,,"9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","1718-51-0","Terphenyl-
d14","78","ug/L",,"5","NA",,"SURR","83",,"-99","NA","YES","94.073",,,,"9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","98-86-
2","Acetophenone","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","87-65-0","2,6-
Dichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","106-44-5","4-
Methylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","106-47-8","4-
Chloroaniline","4","ug/L","U","2","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","132-64-
9","Dibenzofuran","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","91-57-6","2-
Methylnaphthalene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","88-74-4","2-
Nitroaniline","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","99-09-2","3-
Nitroaniline","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","100-01-6","4-
Nitroaniline","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","95-95-4","2,4,5-
Trichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","95-57-8","2-
Chlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","108-95-
2","Phenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","88-75-5","2-
Nitrophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","105-67-9","2,4-
Dimethylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","120-83-2","2,4-
Dichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","59-50-7","4-Chloro-3-
methylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","88-06-2","2,4,6-
Trichlorophenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","51-28-5","2,4-
Dinitrophenol","28","ug/L","U","9","DL",,"TRG",,,"28","LOQ","YES","-99",,,,"28",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","100-02-7","4-
Nitrophenol","28","ug/L","U","9","DL",,"TRG",,,"28","LOQ","YES","-99",,,,"28",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","534-52-1","4,6-Dinitro-2-

methylphenol","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","87-86-
5","Pentachlorophenol","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","111-44-4","bis(2-
Chloroethyl)ether","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","67-72-
1","Hexachloroethane","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","621-64-7","N-Nitroso-di-n-
propylamine","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","98-95-
3","Nitrobenzene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","78-59-
1","Isophorone","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","111-91-1","bis(2-
Chloroethoxy)methane","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","91-20-
3","Naphthalene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","87-68-
3","Hexachlorobutadiene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","77-47-
4","Hexachlorocyclopentadiene","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","91-58-7","2-
Chloronaphthalene","0.9","ug/L","U","0.4","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","208-96-
8","Acenaphthylene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","131-11-
3","Dimethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","606-20-2","2,6-
Dinitrotoluene","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","83-32-
9","Acenaphthene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","121-14-2","2,4-
Dinitrotoluene","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","86-73-
7","Fluorene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","7005-72-3","4-Chlorophenyl-
phenylether","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","84-66-
2","Diethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","86-30-6","N-
Nitrosodiphenylamine","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","101-55-3","4-Bromophenyl-
phenylether","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","118-74-
1","Hexachlorobenzene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","85-01-
8","Phenanthrene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","120-12-
7","Anthracene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","84-74-2","Di-n-
butylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","206-44-
0","Fluoranthene","0.1","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","129-00-

0","Pyrene","0.1","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","85-68-
7","Butylbenzylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","56-55-
3","Benzo(a)anthracene","0.1","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","218-01-
9","Chrysene","0.1","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","91-94-1","3,3'-
Dichlorobenzidine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","117-84-0","Di-n-
octylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","205-99-
2","Benzo(b)fluoranthene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","207-08-
9","Benzo(k)fluoranthene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","50-32-
8","Benzo(a)pyrene","0.1","ug/L","J","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","53-70-
3","Dibenz(a,h)anthracene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","191-24-
2","Benzo(g,h,i)perylene","0.2","ug/L","U","0.09","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","95-48-7","2-
Methylphenol","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","86-74-
8","Carbazole","0.9","ug/L","U","0.5","DL",,"TRG",,,"0.9","LOQ","YES","-99",,,,"0.9",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","1912-24-
9","Atrazine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","105-60-
2","Caprolactam","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"TF1-DUP05-031618FD","8270D","RES","9509986","LL","100-52-
7","Benzaldehyde","4","ug/L","U","0.9","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","53494-70-5","Endrin Ketone","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.3","ug/L",,"0.01","NA",,"SURR","82",,"-99","NA","YES","0.3060",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","2051-24-3","Decachlorobiphenyl-
D1","0.2","ug/L",,"0.01","NA",,"SURR","73",,"-99","NA","YES","0.2710",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.2","ug/L",,"0.01","NA",,"SURR","75",,"-99","NA","YES","0.3060",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","2051-24-3","Decachlorobiphenyl-
D2","0.2","ug/L",,"0.01","NA",,"SURR","73",,"-99","NA","YES","0.2710",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","5103-71-9","Alpha Chlordane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","5103-74-2","Gamma Chlordane","0.02","ug/L","U
D1","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","7421-93-4","Endrin Aldehyde","0.03","ug/L","U
D2","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.03",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","319-84-6","Alpha BHC","0.006","ug/L","U

D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","319-85-7","Beta BHC","0.006","ug/L","U
D1","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","58-89-9","Gamma BHC - Lindane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","319-86-8","Delta BHC","0.006","ug/L","U
D1","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","76-44-8","Heptachlor","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","309-00-2","Aldrin","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","1024-57-3","Heptachlor Epoxide","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","72-55-9","p,p-DDE","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","72-54-8","p,p-DDD","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","50-29-3","p,p-DDT","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","72-43-5","Methoxychlor","0.06","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.06",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","60-57-1","Dieldrin","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","72-20-8","Endrin","0.02","ug/L","U
D1","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","8001-35-2","Toxaphene","0.5","ug/L","U
D1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99",,,,"0.5",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","959-98-8","Endosulfan I","0.007","ug/L","U
D1","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.007",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","33213-65-9","Endosulfan II","0.02","ug/L","U
D1","0.01","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-DUP05-031618FD","8081B","RES","9509986","LL","1031-07-8","Endosulfan Sulfate","0.01","ug/L","U
D1","0.005","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.01",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","12674-11-2","PCB-1016","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.36","ug/L",,"0.012","NA",,"SURR","116",,"-99","NA","YES","0.310",,,,"0.024",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","2051-24-3","Decachlorobiphenyl-
D1","0.36","ug/L",,"0.012","NA",,"SURR","130",,"-99","NA","YES","0.2760",,,,"0.024",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.35","ug/L",,"0.012","NA",,"SURR","113",,"-99","NA","YES","0.310",,,,"0.024",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","2051-24-3","Decachlorobiphenyl-
D2","0.36","ug/L",,"0.012","NA",,"SURR","130",,"-99","NA","YES","0.2760",,,,"0.024",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","11104-28-2","PCB-1221","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","11141-16-5","PCB-1232","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","53469-21-9","PCB-1242","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","12672-29-6","PCB-1248","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","11097-69-1","PCB-1254","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","11096-82-5","PCB-1260","0.081","ug/L","U

D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","37324-23-5","PCB-1262","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","11100-14-4","PCB-1268","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","8082A","RES","9509986","LL","1336-36-3","Total
PCBs","0.081","ug/L","U","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"TF1-DUP05-031618FD","9056A","RES","9509986","LL","16887-00-
6","Chloride","8.6","mg/L",,"1.0","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-DUP05-031618FD","9056A","RES","9509986","LL","14808-79-
8","Sulfate","12.0","mg/L",,"1.5","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"TF1-DUP05-031618FD","9056A","RES","9509986","LL","14797-55-8","Nitrate
Nitrogen","0.50","mg/L","U","0.25","DL",,"TRG",,,"0.50","LOQ","YES","-99",,,,"0.50",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","1634-04-4","Methyl Tertiary Butyl
Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","1868-53-
7","Dibromofluoromethane","53","ug/L",,"0.3","NA",,"SURR","105",,"-99","NA","YES","50",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","17060-07-0","1,2-Dichloroethane-
d4","54","ug/L",,"0.3","NA",,"SURR","109",,"-99","NA","YES","50",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","2037-26-5","Toluene-
d8","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","460-00-4","4-
Bromofluorobenzene","48","ug/L",,"0.3","NA",,"SURR","96",,"-99","NA","YES","50",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","110-82-
7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","79-20-9","Methyl
Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","108-87-
2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-71-
8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","74-87-
3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-01-4","Vinyl
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","74-83-
9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-00-
3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-69-
4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-35-4","1,1-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-09-2","Methylene
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","156-60-5","trans-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-34-3","1,1-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","156-59-2","cis-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","67-66-
3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","74-97-

5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","71-55-6","1,1,1-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","56-23-5","Carbon
Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","71-43-
2","Benzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","107-06-2","1,2-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","79-01-
6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","78-87-5","1,2-
Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-27-
4","Bromodichloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","108-88-
3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","79-00-5","1,1,2-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","127-18-
4","Tetrachloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","124-48-
1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","106-93-4","1,2-
Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","108-90-
7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","100-41-
4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","179601-23-1","m+p-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","95-47-6","o-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","100-42-
5","Styrene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-25-
2","Bromoform","1","ug/L","U","0.5","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","98-82-
8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","79-34-5","1,1,2,2-
Tetrachloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","541-73-1","1,3-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","106-46-7","1,4-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","95-50-1","1,2-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","96-12-8","1,2-Dibromo-3-
chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","120-82-1","1,2,4-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","87-61-6","1,2,3-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","67-64-

1","Acetone","20","ug/L","U","6","DL",,"TRG",,,"20","LOQ","YES","-99",,,,"20",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","75-15-0","Carbon
Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","78-93-3","2-
Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","10061-02-6","trans-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","10061-01-5","cis-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","108-10-1","4-Methyl-2-
pentanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","591-78-6","2-
Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-DUP05-031618FD","8260C","RES","9509986","LL","76-13-1","Freon
113","4","ug/L","U","2","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"4",
"TF1-DUP05-031618FD","SM2320B","RES","9509986","LL","ALKT","Total Alkalinity to pH
4.5","12.3","mgCaCO3/L",,"1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","90-12-0","1-
Methylnaphthalene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","93951-69-0","Fluoranthene-
d10","0.7","ug/L",,"0.02","NA",,"SURR","77",,"-99","NA","YES","0.9410",,,,"0.09",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","63466-71-7","Benzo(a)pyrene-
d12","0.7","ug/L",,"0.02","NA",,"SURR","79",,"-99","NA","YES","0.9410",,,,"0.09",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","38072-94-5","1-Methylnaphthalene-
d10","0.7","ug/L",,"0.02","NA",,"SURR","77",,"-99","NA","YES","0.9410",,,,"0.09",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","91-20-
3","Naphthalene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","91-57-6","2-
Methylnaphthalene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","208-96-
8","Acenaphthylene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","83-32-
9","Acenaphthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","86-73-
7","Fluorene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","85-01-
8","Phenanthrene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","120-12-
7","Anthracene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","206-44-
0","Fluoranthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","129-00-
0","Pyrene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","56-55-
3","Benzo(a)anthracene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","218-01-
9","Chrysene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","205-99-
2","Benzo(b)fluoranthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","207-08-
9","Benzo(k)fluoranthene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","50-32-
8","Benzo(a)pyrene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","193-39-5","Indeno(1,2,3-

cd)pyrene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","53-70-
3","Dibenz(a,h)anthracene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","8270D SIM","RES","9509986","LL","191-24-
2","Benzo(g,h,i)perylene","0.04","ug/L","U","0.009","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-DUP05-031618FD","RSK-175M","RES","9509986","LL","74-82-
8","Methane","39","ug/L",,"3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"TF1-DUP05-031618FD","RSK-175M","RES","9509986","LL","115-07-
1","Propene","17","ug/L",,"1.0","NA",,"SURR","84",,"-99","NA","YES","20.6",,,,"2.1",
"TF1-DUP05-031618FD","RSK-175M","RES","9509986","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"TF1-DUP05-031618FD","SM5210B","RES","9509986","LL","BOD","Biochemical Oxygen Demand-
BOD","2.00","mg/L","U","2.00","DL",,"TRG",,,"2.00","LOQ","YES","-99",,,,"2.00",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","335-67-1","Perfluorooctanoic
acid","13","ng/L",,"0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-22-4L","13C4-
PFBA","19","ng/L",,"2.9","NA",,"SURR","96",,"-99","NA","YES","19.393",,,,"9.7",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","1763-23-1L","13C8-
PFOS","16","ng/L",,"4.8","NA",,"SURR","87",,"-99","NA","YES","18.539",,,,"9.7",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-95-1L","13C9-
PFNA","18","ng/L",,"0.97","NA",,"SURR","92",,"-99","NA","YES","19.393",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","335-76-2L","13C6-
PFDA","18","ng/L",,"0.97","NA",,"SURR","94",,"-99","NA","YES","19.393",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","2058-94-8L","13C7-
PFUnDA","16","ng/L",,"1.9","NA",,"SURR","85",,"-99","NA","YES","19.393",,,,"3.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","307-55-1L","13C2-
PFDoDA","17","ng/L",,"2.9","NA",,"SURR","85",,"-99","NA","YES","19.393",,,,"4.8",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","376-06-7L","13C2-
PFTeDA","12","ng/L",,"2.9","NA",,"SURR","60",,"-99","NA","YES","19.393",,,,"4.8",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","754-91-6L","13C8-
PFOSA","15","ng/L",,"2.9","NA",,"SURR","75",,"-99","NA","YES","19.393",,,,"8.7",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","2706-90-3L","13C5-
PFPeA","25","ng/L",,"0.97","NA",,"SURR","129",,"-99","NA","YES","19.393",,,,"2.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-73-5L","13C3-
PFBS","23","ng/L",,"2.9","NA",,"SURR","129",,"-99","NA","YES","18.035",,,,"9.7",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","307-24-4L","13C5-
PFHxA","19","ng/L",,"0.97","NA",,"SURR","98",,"-99","NA","YES","19.393",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","355-46-4L","13C3-
PFHxS","18","ng/L",,"3.9","NA",,"SURR","100",,"-99","NA","YES","18.345",,,,"9.7",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-85-9L","13C4-
PFHpA","20","ng/L",,"0.97","NA",,"SURR","101",,"-99","NA","YES","19.393",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","335-67-1L","13C8-
PFOA","18","ng/L",,"0.97","NA",,"SURR","92",,"-99","NA","YES","19.393",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-95-1","Perfluorononanoic
acid","3.0","ng/L",,"0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","335-76-2","Perfluorodecanoic
acid","2.9","ng/L","U","0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","2058-94-8","Perfluoroundecanoic
acid","2.8","ng/L",,"0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","307-55-1","Perfluorododecanoic
acid","0.97","ng/L","U","0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","72629-94-8","Perfluorotridecanoic
acid","1.9","ng/L","U","0.58","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","376-06-7","Perfluorotetradecanoic

acid","1.9","ng/L","U","0.58","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","307-24-4","Perfluorohexanoic
acid","11","ng/L",,"0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-85-9","Perfluoroheptanoic
acid","9.9","ng/L",,"0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-73-
5","Perfluorobutanesulfonate","1.5","ng/L",,"0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","355-46-
4","Perfluorohexanesulfonate","21","ng/L",,"0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","1763-23-1","Perfluoro-
octanesulfonate","6.8","ng/L",,"0.58","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-22-4","Perfluorobutanoic
acid","4.3","ng/L","J","1.9","DL",,"TRG",,,"5.8","LOQ","YES","-99",,,,"5.8",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","2706-90-3","Perfluoropentanoic
acid","12","ng/L",,"1.9","DL",,"TRG",,,"5.8","LOQ","YES","-99",,,,"5.8",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","375-92-
8","Perfluoroheptanesulfonate","1.9","ng/L","U","0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","335-77-
3","Perfluorodecanesulfonate","2.9","ng/L","U","0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-DUP05-031618FD","537M","RES","9509986","LL","754-91-
6","Perfluorooctanesulfonamide","2.9","ng/L","U","0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GZ-111-031618","7470A","RES","9509987","LL","7439-97-
6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,,"0.00020","LOQ","YES","-99",,,,"0.00010",
"TF1-GZ-111-031618","SM5310C","RES","9509987","LL","TOC","Total Organic
Carbon","0.86","mg/L","J","0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"TF1-GZ-111-031618","8015C","RES","9509987","LL","PHCE","Total
TPH","0.098","mg/L","U","0.049","DL",,"TRG",,,"0.20","LOQ","YES","-99",,,,"0.098",
"TF1-GZ-111-031618","8015C","RES","9509987","LL","108-90-
7","Chlorobenzene","0.011","mg/L",,"0.00059","NA",,"SURR","91",,"-99","NA","YES","0.012",,,,"0.0012",
"TF1-GZ-111-031618","8015C","RES","9509987","LL","84-15-
1","Orthoterphenyl","0.012","mg/L",,"0.00059","NA",,"SURR","102",,"-99","NA","YES","0.012",,,,"0.0012",
"TF1-GZ-111-031618","8015C","RES","9509987","LL","PHCC8C44","C8-
C44","0.098","mg/L","U","0.049","DL",,"TRG",,,"0.20","LOQ","YES","-99",,,,"0.098",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7429-90-
5","Aluminum","0.0294","mg/L","J","0.0215","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0500",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-36-
0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.0010",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-38-
2","Arsenic","0.0025","mg/L","J","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-39-
3","Barium","0.0068","mg/L",,"0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-41-
7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-43-
9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-70-
2","Calcium","4.40","mg/L",,"0.0943","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-47-
3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-48-
4","Cobalt","0.0057","mg/L",,"0.00016","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-50-
8","Copper","0.0015","mg/L","J","0.00054","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7439-89-

6","Iron","0.376","mg/L",,"0.0374","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.100",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7439-92-
1","Lead","0.00025","mg/L","U","0.00011","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.00025",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7439-95-
4","Magnesium","0.877","mg/L",,"0.0106","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0250",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7439-96-
5","Manganese","0.0671","mg/L",,"0.00090","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7439-98-
7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-02-
0","Nickel","0.0037","mg/L","J","0.0010","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-09-
7","Potassium","1.15","mg/L",,"0.0525","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7782-49-
2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-22-
4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-23-
5","Sodium","3.08","mg/L",,"0.0500","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.100",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-28-
0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-62-
2","Vanadium","0.00050","mg/L","U","0.00021","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"TF1-GZ-111-031618","6020A","RES","9509987","LL","7440-66-
6","Zinc","0.0082","mg/L","J","0.0039","DL",,"TRG",,,"0.0300","LOQ","YES","-99",,,,"0.0075",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","92-52-4","1,1'-
Biphenyl","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","13127-88-3","Phenol-
d6","50","ug/L",,"10","NA",,"SURR","26",,"-99","NA","YES","190",,,,"19",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","367-12-4","2-
Fluorophenol","85","ug/L",,"10","NA",,"SURR","43",,"-99","NA","YES","190",,,,"19",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","118-79-6","2,4,6-
Tribromophenol","150","ug/L",,"10","NA",,"SURR","76",,"-99","NA","YES","190",,,,"19",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","4165-60-0","Nitrobenzene-
d5","73","ug/L",,"5","NA",,"SURR","75",,"-99","NA","YES","97",,,,"10",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","321-60-8","2-
Fluorobiphenyl","72","ug/L",,"5","NA",,"SURR","74",,"-99","NA","YES","97",,,,"10",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","1718-51-0","Terphenyl-
d14","81","ug/L",,"5","NA",,"SURR","83",,"-99","NA","YES","97",,,,"10",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","98-86-
2","Acetophenone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","87-65-0","2,6-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","106-44-5","4-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","106-47-8","4-
Chloroaniline","4","ug/L","U","2","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","132-64-
9","Dibenzofuran","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","91-57-6","2-

Methylnaphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","88-74-4","2-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","99-09-2","3-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","100-01-6","4-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","95-95-4","2,4,5-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","95-57-8","2-
Chlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","108-95-
2","Phenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","88-75-5","2-
Nitrophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","105-67-9","2,4-
Dimethylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","120-83-2","2,4-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","59-50-7","4-Chloro-3-
methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","88-06-2","2,4,6-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","51-28-5","2,4-
Dinitrophenol","29","ug/L","U","10","DL",,"TRG",,,"29","LOQ","YES","-99",,,,"29",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","100-02-7","4-
Nitrophenol","29","ug/L","U","10","DL",,"TRG",,,"29","LOQ","YES","-99",,,,"29",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","534-52-1","4,6-Dinitro-2-
methylphenol","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","87-86-
5","Pentachlorophenol","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","111-44-4","bis(2-
Chloroethyl)ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","67-72-
1","Hexachloroethane","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","621-64-7","N-Nitroso-di-n-
propylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","98-95-
3","Nitrobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","78-59-
1","Isophorone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","111-91-1","bis(2-
Chloroethoxy)methane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","91-20-
3","Naphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","87-68-
3","Hexachlorobutadiene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","77-47-
4","Hexachlorocyclopentadiene","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","91-58-7","2-
Chloronaphthalene","1","ug/L","U","0.4","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","208-96-
8","Acenaphthylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","131-11-

3","Dimethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","606-20-2","2,6-
Dinitrotoluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","83-32-
9","Acenaphthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","121-14-2","2,4-
Dinitrotoluene","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","86-73-
7","Fluorene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","7005-72-3","4-Chlorophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","84-66-
2","Diethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","86-30-6","N-
Nitrosodiphenylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","101-55-3","4-Bromophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","118-74-
1","Hexachlorobenzene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","85-01-
8","Phenanthrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","120-12-
7","Anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","84-74-2","Di-n-
butylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","206-44-
0","Fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","129-00-
0","Pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","85-68-
7","Butylbenzylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","56-55-
3","Benzo(a)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","218-01-
9","Chrysene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","91-94-1","3,3'-
Dichlorobenzidine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","117-84-0","Di-n-
octylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","205-99-
2","Benzo(b)fluoranthene","0.1","ug/L","J","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","207-08-
9","Benzo(k)fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","50-32-
8","Benzo(a)pyrene","0.1","ug/L","J","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","53-70-
3","Dibenz(a,h)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","191-24-
2","Benzo(g,h,i)perylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","95-48-7","2-

Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","86-74-
8","Carbazole","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","1912-24-
9","Atrazine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","105-60-
2","Caprolactam","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"TF1-GZ-111-031618","8270D","RES","9509987","LL","100-52-
7","Benzaldehyde","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","53494-70-5","Endrin Ketone","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.2","ug/L",,"0.01","NA",,"SURR","56",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","2051-24-3","Decachlorobiphenyl-
D1","0.2","ug/L",,"0.01","NA",,"SURR","62",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.2","ug/L",,"0.01","NA",,"SURR","51",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","2051-24-3","Decachlorobiphenyl-
D2","0.2","ug/L",,"0.01","NA",,"SURR","59",,"-99","NA","YES","0.3",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","5103-71-9","Alpha Chlordane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","5103-74-2","Gamma Chlordane","0.02","ug/L","U
D1","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","7421-93-4","Endrin Aldehyde","0.03","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.03",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","319-84-6","Alpha BHC","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","319-85-7","Beta BHC","0.006","ug/L","U
D1","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","58-89-9","Gamma BHC - Lindane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","319-86-8","Delta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","76-44-8","Heptachlor","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","309-00-2","Aldrin","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","1024-57-3","Heptachlor Epoxide","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","72-55-9","p,p-DDE","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","72-54-8","p,p-DDD","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","50-29-3","p,p-DDT","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","72-43-5","Methoxychlor","0.06","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.06",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","60-57-1","Dieldrin","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","72-20-8","Endrin","0.02","ug/L","U
D1","0.007","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","8001-35-2","Toxaphene","0.5","ug/L","U

D1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99",,,,"0.5",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","959-98-8","Endosulfan I","0.007","ug/L","U
D1","0.004","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.007",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","33213-65-9","Endosulfan II","0.02","ug/L","U
D1","0.01","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"TF1-GZ-111-031618","8081B","RES","9509987","LL","1031-07-8","Endosulfan Sulfate","0.01","ug/L","U
D1","0.005","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.01",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","12674-11-2","PCB-1016","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.33","ug/L",,"0.012","NA",,"SURR","105",,"-99","NA","YES","0.31",,,,"0.024",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","2051-24-3","Decachlorobiphenyl-
D1","0.29","ug/L",,"0.012","NA",,"SURR","105",,"-99","NA","YES","0.28",,,,"0.024",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.33","ug/L",,"0.012","NA",,"SURR","106",,"-99","NA","YES","0.31",,,,"0.024",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","2051-24-3","Decachlorobiphenyl-
D2","0.28","ug/L",,"0.012","NA",,"SURR","103",,"-99","NA","YES","0.28",,,,"0.024",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","11104-28-2","PCB-1221","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","11141-16-5","PCB-1232","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","53469-21-9","PCB-1242","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","12672-29-6","PCB-1248","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","11097-69-1","PCB-1254","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","11096-82-5","PCB-1260","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","37324-23-5","PCB-1262","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","11100-14-4","PCB-1268","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","8082A","RES","9509987","LL","1336-36-3","Total
PCBs","0.081","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.081",
"TF1-GZ-111-031618","9056A","RES","9509987","LL","16887-00-
6","Chloride","4.8","mg/L",,"1.0","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","9056A","RES","9509987","LL","14808-79-
8","Sulfate","11.7","mg/L",,"1.5","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"TF1-GZ-111-031618","9056A","RES","9509987","LL","14797-55-8","Nitrate
Nitrogen","0.50","mg/L","U","0.25","DL",,"TRG",,,"0.50","LOQ","YES","-99",,,,"0.50",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","1634-04-4","Methyl Tertiary Butyl
Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","1868-53-
7","Dibromofluoromethane","55","ug/L",,"0.3","NA",,"SURR","110",,"-99","NA","YES","50",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","17060-07-0","1,2-Dichloroethane-
d4","51","ug/L",,"0.3","NA",,"SURR","103",,"-99","NA","YES","50",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","2037-26-5","Toluene-
d8","53","ug/L",,"0.3","NA",,"SURR","106",,"-99","NA","YES","50",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","460-00-4","4-
Bromofluorobenzene","49","ug/L",,"0.3","NA",,"SURR","98",,"-99","NA","YES","50",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","110-82-
7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8260C","RES","9509987",,"LL","79-20-9","Methyl

Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","108-87-
2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-71-
8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","74-87-
3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-01-4","Vinyl
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","74-83-
9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-00-
3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-69-
4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-35-4","1,1-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-09-2","Methylene
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","156-60-5","trans-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-34-3","1,1-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","156-59-2","cis-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","67-66-
3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","74-97-
5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","71-55-6","1,1,1-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","56-23-5","Carbon
Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","71-43-
2","Benzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","107-06-2","1,2-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","79-01-
6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","78-87-5","1,2-
Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-27-
4","Bromodichloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","108-88-
3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","79-00-5","1,1,2-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","127-18-
4","Tetrachloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","124-48-
1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","106-93-4","1,2-
Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","108-90-

7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","100-41-
4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","179601-23-1","m+p-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","95-47-6","o-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","100-42-
5","Styrene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-25-
2","Bromoform","1","ug/L","U","0.5","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","98-82-
8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","79-34-5","1,1,2,2-
Tetrachloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","541-73-1","1,3-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","106-46-7","1,4-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","95-50-1","1,2-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","96-12-8","1,2-Dibromo-3-
chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","120-82-1","1,2,4-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","87-61-6","1,2,3-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","67-64-
1","Acetone","20","ug/L","U","6","DL",,"TRG",,,"20","LOQ","YES","-99",,,,"20",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","75-15-0","Carbon
Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","78-93-3","2-
Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","10061-02-6","trans-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","10061-01-5","cis-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","108-10-1","4-Methyl-2-
pentanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","591-78-6","2-
Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"TF1-GZ-111-031618","8260C","RES","9509987","LL","76-13-1","Freon
113","4","ug/L","U","2","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"4",
"TF1-GZ-111-031618","SM2320B","RES","9509987","LL","ALKT","Total Alkalinity to pH
4.5","6.0","mgCaCO3/L",,"1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","90-12-0","1-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","93951-69-0","Fluoranthene-
d10","0.8","ug/L",,"0.02","NA",,"SURR","79",,"-99","NA","YES","1",,,,"0.1",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","63466-71-7","Benzo(a)pyrene-
d12","0.8","ug/L",,"0.02","NA",,"SURR","82",,"-99","NA","YES","1",,,,"0.1",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","38072-94-5","1-Methylnaphthalene-
d10","0.7","ug/L",,"0.02","NA",,"SURR","74",,"-99","NA","YES","1",,,,"0.1",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","91-20-

3","Naphthalene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","91-57-6","2-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","208-96-
8","Acenaphthylene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","83-32-
9","Acenaphthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","86-73-
7","Fluorene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","85-01-
8","Phenanthrene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","120-12-
7","Anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","206-44-
0","Fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","129-00-
0","Pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","56-55-
3","Benzo(a)anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","218-01-
9","Chrysene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","205-99-
2","Benzo(b)fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","207-08-
9","Benzo(k)fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","50-32-
8","Benzo(a)pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","53-70-
3","Dibenz(a,h)anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","8270D SIM","RES","9509987","LL","191-24-
2","Benzo(g,h,i)perylene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"TF1-GZ-111-031618","RSK-175M","RES","9509987","LL","74-82-
8","Methane","6.0","ug/L","U","3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"TF1-GZ-111-031618","RSK-175M","RES","9509987","LL","115-07-
1","Propene","18","ug/L",,"1.0","NA",,"SURR","85",,"-99","NA","YES","21",,,,"2.1",
"TF1-GZ-111-031618","RSK-175M","RES","9509987","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"TF1-GZ-111-031618","SM5210B","RES","9509987","LL","BOD","Biochemical Oxygen Demand-
BOD","2.00","mg/L","U","2.00","DL",,"TRG",,,"2.00","LOQ","YES","-99",,,,"2.00",
"TF1-GZ-111-031618","537M","RES","9509987","LL","335-67-1","Perfluorooctanoic
acid","2.8","ng/L",,"0.29","DL",,"TRG",,,"0.98","LOQ","YES","-99",,,,"0.98",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-22-4L","13C4-
PFBA","18","ng/L",,"2.9","NA",,"SURR","95",,"-99","NA","YES","20",,,,"9.8",
"TF1-GZ-111-031618","537M","RES","9509987","LL","1763-23-1L","13C8-
PFOS","17","ng/L",,"4.9","NA",,"SURR","90",,"-99","NA","YES","19",,,,"9.8",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-95-1L","13C9-
PFNA","18","ng/L",,"0.98","NA",,"SURR","91",,"-99","NA","YES","20",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","335-76-2L","13C6-
PFDA","18","ng/L",,"0.98","NA",,"SURR","90",,"-99","NA","YES","20",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","2058-94-8L","13C7-
PFUnDA","17","ng/L",,"2.0","NA",,"SURR","85",,"-99","NA","YES","20",,,,"3.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","307-55-1L","13C2-

PFDoDA","15","ng/L",,"2.9","NA",,"SURR","77",,"-99","NA","YES","20",,,,"4.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","376-06-7L","13C2-
PFTeDA","11","ng/L",,"2.9","NA",,"SURR","55",,"-99","NA","YES","20",,,,"4.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","754-91-6L","13C8-
PFOSA","14","ng/L",,"2.9","NA",,"SURR","73",,"-99","NA","YES","20",,,,"8.8",
"TF1-GZ-111-031618","537M","RES","9509987","LL","2706-90-3L","13C5-
PFPeA","26","ng/L",,"0.98","NA",,"SURR","135",,"-99","NA","YES","20",,,,"2.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-73-5L","13C3-
PFBS","25","ng/L",,"2.9","NA",,"SURR","137",,"-99","NA","YES","18",,,,"9.8",
"TF1-GZ-111-031618","537M","RES","9509987","LL","307-24-4L","13C5-
PFHxA","18","ng/L",,"0.98","NA",,"SURR","92",,"-99","NA","YES","20",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","355-46-4L","13C3-
PFHxS","17","ng/L",,"3.9","NA",,"SURR","91",,"-99","NA","YES","18",,,,"9.8",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-85-9L","13C4-
PFHpA","19","ng/L",,"0.98","NA",,"SURR","95",,"-99","NA","YES","20",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","335-67-1L","13C8-
PFOA","18","ng/L",,"0.98","NA",,"SURR","90",,"-99","NA","YES","20",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-95-1","Perfluorononanoic
acid","2.0","ng/L","U","0.39","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","335-76-2","Perfluorodecanoic
acid","2.9","ng/L","U","0.98","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","2058-94-8","Perfluoroundecanoic
acid","0.59","ng/L","J","0.39","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","307-55-1","Perfluorododecanoic
acid","0.98","ng/L","U","0.29","DL",,"TRG",,,"0.98","LOQ","YES","-99",,,,"0.98",
"TF1-GZ-111-031618","537M","RES","9509987","LL","72629-94-8","Perfluorotridecanoic
acid","2.0","ng/L","U","0.59","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","376-06-7","Perfluorotetradecanoic
acid","2.0","ng/L","U","0.59","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","307-24-4","Perfluorohexanoic
acid","2.0","ng/L","J","0.98","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-85-9","Perfluoroheptanoic
acid","1.4","ng/L",,"0.29","DL",,"TRG",,,"0.98","LOQ","YES","-99",,,,"0.98",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-73-
5","Perfluorobutanesulfonate","0.48","ng/L","J","0.29","DL",,"TRG",,,"0.98","LOQ","YES","-99",,,,"0.98",
"TF1-GZ-111-031618","537M","RES","9509987","LL","355-46-
4","Perfluorohexanesulfonate","3.2","ng/L",,"0.39","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","1763-23-1","Perfluoro-
octanesulfonate","2.1","ng/L",,"0.59","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-22-4","Perfluorobutanoic
acid","5.9","ng/L","U","2.0","DL",,"TRG",,,"5.9","LOQ","YES","-99",,,,"5.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","2706-90-3","Perfluoropentanoic
acid","5.9","ng/L","U","2.0","DL",,"TRG",,,"5.9","LOQ","YES","-99",,,,"5.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","375-92-
8","Perfluoroheptanesulfonate","2.0","ng/L","U","0.39","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"TF1-GZ-111-031618","537M","RES","9509987","LL","335-77-
3","Perfluorodecanesulfonate","2.9","ng/L","U","0.98","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"TF1-GZ-111-031618","537M","RES","9509987","LL","754-91-
6","Perfluorooctanesulfonamide","2.9","ng/L","U","0.98","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-11BERM-031618","7470A","RES","9509988","LL","7439-97-
6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,,"0.00020","LOQ","YES","-99",,,,"0.00010",
"GRAB-11BERM-031618","SM5310C","RES","9509988","LL","TOC","Total Organic
Carbon","1.4","mg/L",,"0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"GRAB-11BERM-031618","8015C","RES","9509988","LL","PHCE","Total

TPH","0.061","mg/L","J","0.048","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.096",
"GRAB-11BERM-031618","8015C","RES","9509988","LL","108-90-
7","Chlorobenzene","0.010","mg/L",,"0.00057","NA",,"SURR","88",,"-99","NA","YES","0.012",,,,"0.0011",
"GRAB-11BERM-031618","8015C","RES","9509988","LL","84-15-
1","Orthoterphenyl","0.011","mg/L",,"0.00057","NA",,"SURR","95",,"-99","NA","YES","0.012",,,,"0.0011",
"GRAB-11BERM-031618","8015C","RES","9509988","LL","PHCC8C44","C8-
C44","0.061","mg/L","J","0.048","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.096",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7429-90-
5","Aluminum","0.0357","mg/L","J","0.0215","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0500",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-36-
0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.0010",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-38-
2","Arsenic","0.0020","mg/L","U","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-39-
3","Barium","0.0078","mg/L",,"0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-41-
7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-43-
9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-70-
2","Calcium","8.90","mg/L",,"0.0943","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-47-
3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-48-
4","Cobalt","0.00039","mg/L","J","0.00016","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-50-
8","Copper","0.0016","mg/L","J","0.00054","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7439-89-
6","Iron","0.0795","mg/L","J","0.0374","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.100",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7439-92-
1","Lead","0.0014","mg/L","J","0.00011","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.00025",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7439-95-
4","Magnesium","1.55","mg/L",,"0.0106","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0250",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7439-96-
5","Manganese","0.0448","mg/L",,"0.00090","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7439-98-
7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-02-
0","Nickel","0.0035","mg/L","J","0.0010","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-09-
7","Potassium","1.30","mg/L",,"0.0525","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7782-49-
2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-22-
4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-23-
5","Sodium","4.45","mg/L",,"0.0500","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.100",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-28-
0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-62-
2","Vanadium","0.00027","mg/L","J","0.00021","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-11BERM-031618","6020A","RES","9509988","LL","7440-66-
6","Zinc","0.0325","mg/L",,"0.0039","DL",,"TRG",,,"0.0300","LOQ","YES","-99",,,,"0.0075",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","92-52-4","1,1'-

Biphenyl","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","13127-88-3","Phenol-
d6","53","ug/L",,"10","NA",,"SURR","28",,"-99","NA","YES","190",,,,"19",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","367-12-4","2-
Fluorophenol","86","ug/L",,"10","NA",,"SURR","45",,"-99","NA","YES","190",,,,"19",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","118-79-6","2,4,6-
Tribromophenol","160","ug/L",,"10","NA",,"SURR","85",,"-99","NA","YES","190",,,,"19",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","4165-60-0","Nitrobenzene-
d5","73","ug/L",,"5","NA",,"SURR","76",,"-99","NA","YES","96",,,,"10",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","321-60-8","2-
Fluorobiphenyl","75","ug/L",,"5","NA",,"SURR","78",,"-99","NA","YES","96",,,,"10",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","1718-51-0","Terphenyl-
d14","82","ug/L",,"5","NA",,"SURR","86",,"-99","NA","YES","96",,,,"10",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","98-86-
2","Acetophenone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","87-65-0","2,6-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","106-44-5","4-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","106-47-8","4-
Chloroaniline","4","ug/L","U","2","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","132-64-
9","Dibenzofuran","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","91-57-6","2-
Methylnaphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","88-74-4","2-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","99-09-2","3-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","100-01-6","4-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","95-95-4","2,4,5-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","95-57-8","2-
Chlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","108-95-
2","Phenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","88-75-5","2-
Nitrophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","105-67-9","2,4-
Dimethylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","120-83-2","2,4-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","59-50-7","4-Chloro-3-
methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","88-06-2","2,4,6-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","51-28-5","2,4-
Dinitrophenol","29","ug/L","U","10","DL",,"TRG",,,"29","LOQ","YES","-99",,,,"29",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","100-02-7","4-

Nitrophenol","29","ug/L","U","10","DL",,"TRG",,,"29","LOQ","YES","-99",,,,"29",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","534-52-1","4,6-Dinitro-2-
methylphenol","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","87-86-
5","Pentachlorophenol","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","111-44-4","bis(2-
Chloroethyl)ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","67-72-
1","Hexachloroethane","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","621-64-7","N-Nitroso-di-n-
propylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","98-95-
3","Nitrobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","78-59-
1","Isophorone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","111-91-1","bis(2-
Chloroethoxy)methane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","91-20-
3","Naphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","87-68-
3","Hexachlorobutadiene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","77-47-
4","Hexachlorocyclopentadiene","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","91-58-7","2-
Chloronaphthalene","1","ug/L","U","0.4","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","208-96-
8","Acenaphthylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","131-11-
3","Dimethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","606-20-2","2,6-
Dinitrotoluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","83-32-
9","Acenaphthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","121-14-2","2,4-
Dinitrotoluene","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","86-73-
7","Fluorene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","7005-72-3","4-Chlorophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","84-66-
2","Diethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","86-30-6","N-
Nitrosodiphenylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","101-55-3","4-Bromophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","118-74-
1","Hexachlorobenzene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","85-01-
8","Phenanthrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","120-12-
7","Anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","84-74-2","Di-n-
butylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","206-44-

0","Fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","129-00-
0","Pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","85-68-
7","Butylbenzylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","56-55-
3","Benzo(a)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","218-01-
9","Chrysene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","91-94-1","3,3'-
Dichlorobenzidine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","117-84-0","Di-n-
octylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","205-99-
2","Benzo(b)fluoranthene","0.1","ug/L","J","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","207-08-
9","Benzo(k)fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","50-32-
8","Benzo(a)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","53-70-
3","Dibenz(a,h)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","191-24-
2","Benzo(g,h,i)perylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","95-48-7","2-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","86-74-
8","Carbazole","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","1912-24-
9","Atrazine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","105-60-
2","Caprolactam","14","ug/L","U","5","DL",,"TRG",,,"14","LOQ","YES","-99",,,,"14",
"GRAB-11BERM-031618","8270D","RES","9509988","LL","100-52-
7","Benzaldehyde","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","53494-70-5","Endrin Ketone","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.2","ug/L",,"0.01","NA",,"SURR","67",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","2051-24-3","Decachlorobiphenyl-
D1","0.2","ug/L",,"0.01","NA",,"SURR","60",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.2","ug/L",,"0.01","NA",,"SURR","62",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","2051-24-3","Decachlorobiphenyl-
D2","0.2","ug/L",,"0.01","NA",,"SURR","58",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","5103-71-9","Alpha Chlordane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","5103-74-2","Gamma Chlordane","0.02","ug/L","U
D1","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","7421-93-4","Endrin Aldehyde","0.03","ug/L","U

D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.03",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","319-84-6","Alpha BHC","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","319-85-7","Beta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","58-89-9","Gamma BHC - Lindane","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","319-86-8","Delta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","76-44-8","Heptachlor","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","309-00-2","Aldrin","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","1024-57-3","Heptachlor Epoxide","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","72-55-9","p,p-DDE","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","72-54-8","p,p-DDD","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","50-29-3","p,p-DDT","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","72-43-5","Methoxychlor","0.06","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.06",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","60-57-1","Dieldrin","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","72-20-8","Endrin","0.02","ug/L","U
D1","0.007","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","8001-35-2","Toxaphene","0.5","ug/L","U
D1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99",,,,"0.5",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","959-98-8","Endosulfan I","0.007","ug/L","U
D1","0.004","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.007",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","33213-65-9","Endosulfan II","0.02","ug/L","U
D1","0.01","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"GRAB-11BERM-031618","8081B","RES","9509988","LL","1031-07-8","Endosulfan Sulfate","0.01","ug/L","U
D1","0.005","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.01",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","12674-11-2","PCB-1016","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.33","ug/L",,"0.012","NA",,"SURR","105",,"-99","NA","YES","0.31",,,,"0.024",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","2051-24-3","Decachlorobiphenyl-
D1","0.27","ug/L",,"0.012","NA",,"SURR","97",,"-99","NA","YES","0.28",,,,"0.024",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.32","ug/L",,"0.012","NA",,"SURR","103",,"-99","NA","YES","0.31",,,,"0.024",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","2051-24-3","Decachlorobiphenyl-
D2","0.27","ug/L",,"0.012","NA",,"SURR","97",,"-99","NA","YES","0.28",,,,"0.024",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","11104-28-2","PCB-1221","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","11141-16-5","PCB-1232","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","53469-21-9","PCB-1242","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","12672-29-6","PCB-1248","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","11097-69-1","PCB-1254","0.081","ug/L","U

D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","11096-82-5","PCB-1260","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","37324-23-5","PCB-1262","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","11100-14-4","PCB-1268","0.081","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","8082A","RES","9509988","LL","1336-36-3","Total
PCBs","0.081","ug/L","U","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.081",
"GRAB-11BERM-031618","9056A","RES","9509988","LL","16887-00-
6","Chloride","7.1","mg/L",,"1.0","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"GRAB-11BERM-031618","9056A","RES","9509988","LL","14808-79-
8","Sulfate","11.8","mg/L",,"1.5","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"GRAB-11BERM-031618","9056A","RES","9509988","LL","14797-55-8","Nitrate
Nitrogen","0.50","mg/L","U","0.25","DL",,"TRG",,,"0.50","LOQ","YES","-99",,,,"0.50",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","1634-04-4","Methyl Tertiary Butyl
Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","1868-53-
7","Dibromofluoromethane","56","ug/L",,"0.3","NA",,"SURR","111",,"-99","NA","YES","50",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","17060-07-0","1,2-Dichloroethane-
d4","52","ug/L",,"0.3","NA",,"SURR","105",,"-99","NA","YES","50",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","2037-26-5","Toluene-
d8","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","460-00-4","4-
Bromofluorobenzene","48","ug/L",,"0.3","NA",,"SURR","95",,"-99","NA","YES","50",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","110-82-
7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","79-20-9","Methyl
Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","108-87-
2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-71-
8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","74-87-
3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-01-4","Vinyl
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","74-83-
9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-00-
3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-69-
4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-35-4","1,1-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-09-2","Methylene
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","156-60-5","trans-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-34-3","1,1-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","156-59-2","cis-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","67-66-

3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","74-97-
5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","71-55-6","1,1,1-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","56-23-5","Carbon
Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","71-43-
2","Benzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","107-06-2","1,2-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","79-01-
6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","78-87-5","1,2-
Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-27-
4","Bromodichloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","108-88-
3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","79-00-5","1,1,2-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","127-18-
4","Tetrachloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","124-48-
1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","106-93-4","1,2-
Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","108-90-
7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","100-41-
4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","179601-23-1","m+p-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","95-47-6","o-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","100-42-
5","Styrene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-25-
2","Bromoform","1","ug/L","U","0.5","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","98-82-
8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","79-34-5","1,1,2,2-
Tetrachloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","541-73-1","1,3-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","106-46-7","1,4-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","95-50-1","1,2-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","96-12-8","1,2-Dibromo-3-
chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","120-82-1","1,2,4-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","87-61-6","1,2,3-

Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","67-64-
1","Acetone","20","ug/L","U","6","DL",,"TRG",,,"20","LOQ","YES","-99",,,,"20",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","75-15-0","Carbon
Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","78-93-3","2-
Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","10061-02-6","trans-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","10061-01-5","cis-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","108-10-1","4-Methyl-2-
pentanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","591-78-6","2-
Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"GRAB-11BERM-031618","8260C","RES","9509988","LL","76-13-1","Freon
113","4","ug/L","U","2","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"4",
"GRAB-11BERM-031618","SM2320B","RES","9509988","LL","ALKT","Total Alkalinity to pH
4.5","16.5","mgCaCO3/L",,"1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","90-12-0","1-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","93951-69-0","Fluoranthene-
d10","0.8","ug/L",,"0.02","NA",,"SURR","81",,"-99","NA","YES","1",,,,"0.1",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","63466-71-7","Benzo(a)pyrene-
d12","0.8","ug/L",,"0.02","NA",,"SURR","85",,"-99","NA","YES","1",,,,"0.1",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","38072-94-5","1-Methylnaphthalene-
d10","0.7","ug/L",,"0.02","NA",,"SURR","75",,"-99","NA","YES","1",,,,"0.1",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","91-20-
3","Naphthalene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","91-57-6","2-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","208-96-
8","Acenaphthylene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","83-32-
9","Acenaphthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","86-73-
7","Fluorene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","85-01-
8","Phenanthrene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","120-12-
7","Anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","206-44-
0","Fluoranthene","0.01","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","129-00-
0","Pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","56-55-
3","Benzo(a)anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","218-01-
9","Chrysene","0.01","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","205-99-
2","Benzo(b)fluoranthene","0.02","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","207-08-
9","Benzo(k)fluoranthene","0.02","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","50-32-

8","Benzo(a)pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.02","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","53-70-
3","Dibenz(a,h)anthracene","0.02","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","8270D SIM","RES","9509988","LL","191-24-
2","Benzo(g,h,i)perylene","0.02","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-11BERM-031618","RSK-175M","RES","9509988","LL","74-82-
8","Methane","6.0","ug/L","U","3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"GRAB-11BERM-031618","RSK-175M","RES","9509988","LL","115-07-
1","Propene","18","ug/L",,"1.0","NA",,"SURR","87",,"-99","NA","YES","21",,,,"2.1",
"GRAB-11BERM-031618","RSK-175M","RES","9509988","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"GRAB-11BERM-031618","SM5210B","RES","9509988","LL","BOD","Biochemical Oxygen Demand-
BOD","2.00","mg/L","U","2.00","DL",,"TRG",,,"2.00","LOQ","YES","-99",,,,"2.00",
"GRAB-11BERM-031618","537M","DL1","9509988","LL","335-67-1","Perfluorooctanoic
acid","210","ng/L",,"2.9","DL",,"TRG",,,"9.5","LOQ","YES","-99",,,,"9.5",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-95-1","Perfluorononanoic
acid","0.91","ng/L","J","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-22-4L","13C4-
PFBA","18","ng/L",,"2.9","NA",,"SURR","94",,"-99","NA","YES","19",,,,"9.5",
"GRAB-11BERM-031618","537M","RES","9509988","LL","1763-23-1L","13C8-
PFOS","10","ng/L",,"4.8","NA",,"SURR","55",,"-99","NA","YES","18",,,,"9.5",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-95-1L","13C9-
PFNA","17","ng/L",,"0.95","NA",,"SURR","90",,"-99","NA","YES","19",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","335-76-2L","13C6-
PFDA","9.4","ng/L",,"0.95","NA",,"SURR","49",,"-99","NA","YES","19",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","2058-94-8L","13C7-
PFUnDA","4.3","ng/L",,"1.9","NA",,"SURR","23",,"-99","NA","YES","19",,,,"3.8",
"GRAB-11BERM-031618","537M","RES","9509988","LL","307-55-1L","13C2-
PFDoDA","2.3","ng/L",,"2.9","NA",,"SURR","12",,"-99","NA","YES","19",,,,"4.8",
"GRAB-11BERM-031618","537M","RES","9509988","LL","376-06-7L","13C2-
PFTeDA","0.69","ng/L",,"2.9","NA",,"SURR","4",,"-99","NA","YES","19",,,,"4.8",
"GRAB-11BERM-031618","537M","RES","9509988","LL","754-91-6L","13C8-
PFOSA","3.5","ng/L",,"2.9","NA",,"SURR","18",,"-99","NA","YES","19",,,,"8.6",
"GRAB-11BERM-031618","537M","RES","9509988","LL","2706-90-3L","13C5-
PFPeA","22","ng/L",,"0.95","NA",,"SURR","118",,"-99","NA","YES","19",,,,"2.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-73-5L","13C3-
PFBS","21","ng/L",,"2.9","NA",,"SURR","116",,"-99","NA","YES","18",,,,"9.5",
"GRAB-11BERM-031618","537M","RES","9509988","LL","307-24-4L","13C5-
PFHxA","16","ng/L",,"0.95","NA",,"SURR","81",,"-99","NA","YES","19",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","355-46-4L","13C3-
PFHxS","10","ng/L",,"3.8","NA",,"SURR","57",,"-99","NA","YES","18",,,,"9.5",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-85-9L","13C4-
PFHpA","12","ng/L",,"0.95","NA",,"SURR","64",,"-99","NA","YES","19",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","335-67-1L","13C8-
PFOA","15","ng/L",,"0.95","NA",,"SURR","76",,"-99","NA","YES","19",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","335-76-2","Perfluorodecanoic
acid","2.9","ng/L","U","0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","2058-94-8","Perfluoroundecanoic
acid","0.60","ng/L","J","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","307-55-1","Perfluorododecanoic
acid","0.95","ng/L","U","0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"GRAB-11BERM-031618","537M","RES","9509988","LL","72629-94-8","Perfluorotridecanoic

acid","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","376-06-7","Perfluorotetradecanoic
acid","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-11BERM-031618","537M","DL1","9509988","LL","307-24-4","Perfluorohexanoic
acid","620","ng/L",,"9.5","DL",,"TRG",,,"29","LOQ","YES","-99",,,,"29",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-85-9","Perfluoroheptanoic
acid","64","ng/L",,"0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-73-
5","Perfluorobutanesulfonate","250","ng/L",,"0.29","DL",,"TRG",,,"0.95","LOQ","YES","-99",,,,"0.95",
"GRAB-11BERM-031618","537M","DL1","9509988","LL","355-46-
4","Perfluorohexanesulfonate","2200","ng/L",,"3.8","DL",,"TRG",,,"19","LOQ","YES","-99",,,,"19",
"GRAB-11BERM-031618","537M","DL2","9509988","LL","1763-23-1","Perfluoro-
octanesulfonate","4900","ng/L",,"57","DL",,"TRG",,,"190","LOQ","YES","-99",,,,"190",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-22-4","Perfluorobutanoic
acid","56","ng/L",,"1.9","DL",,"TRG",,,"5.7","LOQ","YES","-99",,,,"5.7",
"GRAB-11BERM-031618","537M","RES","9509988","LL","2706-90-3","Perfluoropentanoic
acid","120","ng/L",,"1.9","DL",,"TRG",,,"5.7","LOQ","YES","-99",,,,"5.7",
"GRAB-11BERM-031618","537M","RES","9509988","LL","375-92-
8","Perfluoroheptanesulfonate","330","ng/L",,"0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","335-77-
3","Perfluorodecanesulfonate","2.9","ng/L","U","0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-11BERM-031618","537M","RES","9509988","LL","754-91-
6","Perfluorooctanesulfonamide","2.9","ng/L","U","0.95","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-12BERM-031618","7470A","RES","9509989","LL","7439-97-
6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,,"0.00020","LOQ","YES","-99",,,,"0.00010",
"GRAB-12BERM-031618","SM5310C","RES","9509989","LL","TOC","Total Organic
Carbon","2.6","mg/L",,"0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"GRAB-12BERM-031618","8015C","RES","9509989","LL","PHCE","Total
TPH","0.096","mg/L","U","0.048","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.096",
"GRAB-12BERM-031618","8015C","RES","9509989","LL","108-90-
7","Chlorobenzene","0.0097","mg/L",,"0.00057","NA",,"SURR","84",,"-99","NA","YES","0.012",,,,"0.0011",
"GRAB-12BERM-031618","8015C","RES","9509989","LL","84-15-
1","Orthoterphenyl","0.011","mg/L",,"0.00057","NA",,"SURR","92",,"-99","NA","YES","0.012",,,,"0.0011",
"GRAB-12BERM-031618","8015C","RES","9509989","LL","PHCC8C44","C8-
C44","0.096","mg/L","U","0.048","DL",,"TRG",,,"0.19","LOQ","YES","-99",,,,"0.096",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7429-90-
5","Aluminum","0.0500","mg/L","U","0.0215","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0500",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-36-
0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.0010",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-38-
2","Arsenic","0.0020","mg/L","U","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-39-
3","Barium","0.0068","mg/L",,"0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-41-
7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-43-
9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-70-
2","Calcium","9.41","mg/L",,"0.0943","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-47-
3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-48-
4","Cobalt","0.00050","mg/L","U","0.00016","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-50-

8","Copper","0.0013","mg/L","J","0.00054","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7439-89-
6","Iron","0.118","mg/L","J","0.0374","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.100",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7439-92-
1","Lead","0.00071","mg/L","J","0.00011","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.00025",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7439-95-
4","Magnesium","1.45","mg/L",,"0.0106","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0250",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7439-96-
5","Manganese","0.0049","mg/L",,"0.00090","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7439-98-
7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-02-
0","Nickel","0.0020","mg/L","U","0.0010","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-09-
7","Potassium","1.65","mg/L",,"0.0525","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7782-49-
2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-22-
4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-23-
5","Sodium","7.22","mg/L",,"0.0500","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.100",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-28-
0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-62-
2","Vanadium","0.00050","mg/L","U","0.00021","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"GRAB-12BERM-031618","6020A","RES","9509989","LL","7440-66-
6","Zinc","0.0211","mg/L","J","0.0039","DL",,"TRG",,,"0.0300","LOQ","YES","-99",,,,"0.0075",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","92-52-4","1,1'-
Biphenyl","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","13127-88-3","Phenol-
d6","55","ug/L",,"10","NA",,"SURR","28",,"-99","NA","YES","200",,,,"20",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","367-12-4","2-
Fluorophenol","88","ug/L",,"10","NA",,"SURR","44",,"-99","NA","YES","200",,,,"20",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","118-79-6","2,4,6-
Tribromophenol","150","ug/L",,"10","NA",,"SURR","76",,"-99","NA","YES","200",,,,"20",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","4165-60-0","Nitrobenzene-
d5","75","ug/L",,"5","NA",,"SURR","75",,"-99","NA","YES","100",,,,"10",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","321-60-8","2-
Fluorobiphenyl","74","ug/L",,"5","NA",,"SURR","74",,"-99","NA","YES","100",,,,"10",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","1718-51-0","Terphenyl-
d14","80","ug/L",,"5","NA",,"SURR","80",,"-99","NA","YES","100",,,,"10",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","98-86-
2","Acetophenone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","87-65-0","2,6-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","106-44-5","4-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","106-47-8","4-
Chloroaniline","4","ug/L","U","2","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","132-64-

9","Dibenzofuran","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","91-57-6","2-
Methylnaphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","88-74-4","2-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","99-09-2","3-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","100-01-6","4-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","95-95-4","2,4,5-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","95-57-8","2-
Chlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","108-95-
2","Phenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","88-75-5","2-
Nitrophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","105-67-9","2,4-
Dimethylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","120-83-2","2,4-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","59-50-7","4-Chloro-3-
methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","88-06-2","2,4,6-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","51-28-5","2,4-
Dinitrophenol","30","ug/L","U","10","DL",,"TRG",,,"30","LOQ","YES","-99",,,,"30",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","100-02-7","4-
Nitrophenol","30","ug/L","U","10","DL",,"TRG",,,"30","LOQ","YES","-99",,,,"30",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","534-52-1","4,6-Dinitro-2-
methylphenol","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","87-86-
5","Pentachlorophenol","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","111-44-4","bis(2-
Chloroethyl)ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","67-72-
1","Hexachloroethane","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","621-64-7","N-Nitroso-di-n-
propylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","98-95-
3","Nitrobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","78-59-
1","Isophorone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","111-91-1","bis(2-
Chloroethoxy)methane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","91-20-
3","Naphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","87-68-
3","Hexachlorobutadiene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","77-47-
4","Hexachlorocyclopentadiene","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","91-58-7","2-
Chloronaphthalene","1","ug/L","U","0.4","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","208-96-

8","Acenaphthylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","131-11-
3","Dimethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","606-20-2","2,6-
Dinitrotoluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","83-32-
9","Acenaphthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","121-14-2","2,4-
Dinitrotoluene","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","86-73-
7","Fluorene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","7005-72-3","4-Chlorophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","84-66-
2","Diethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","86-30-6","N-
Nitrosodiphenylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","101-55-3","4-Bromophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","118-74-
1","Hexachlorobenzene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","85-01-
8","Phenanthrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","120-12-
7","Anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","84-74-2","Di-n-
butylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","206-44-
0","Fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","129-00-
0","Pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","85-68-
7","Butylbenzylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","56-55-
3","Benzo(a)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","218-01-
9","Chrysene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","91-94-1","3,3'-
Dichlorobenzidine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","117-84-0","Di-n-
octylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","205-99-
2","Benzo(b)fluoranthene","0.1","ug/L","J","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","207-08-
9","Benzo(k)fluoranthene","0.1","ug/L","J","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","50-32-
8","Benzo(a)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","53-70-
3","Dibenz(a,h)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","191-24-

2","Benzo(g,h,i)perylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","95-48-7","2-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","86-74-
8","Carbazole","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","1912-24-
9","Atrazine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","105-60-
2","Caprolactam","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"GRAB-12BERM-031618","8270D","RES","9509989","LL","100-52-
7","Benzaldehyde","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","53494-70-5","Endrin Ketone","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.1","ug/L",,"0.01","NA",,"SURR","44",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","2051-24-3","Decachlorobiphenyl-
D1","0.1","ug/L",,"0.01","NA",,"SURR","38",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.1","ug/L",,"0.01","NA",,"SURR","40",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","2051-24-3","Decachlorobiphenyl-
D2","0.1","ug/L",,"0.01","NA",,"SURR","36",,"-99","NA","YES","0.3",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","5103-71-9","Alpha Chlordane","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","5103-74-2","Gamma Chlordane","0.02","ug/L","U
D1","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","7421-93-4","Endrin Aldehyde","0.03","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.03",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","319-84-6","Alpha BHC","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","319-85-7","Beta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","58-89-9","Gamma BHC - Lindane","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","319-86-8","Delta BHC","0.006","ug/L","U
D2","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","76-44-8","Heptachlor","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","309-00-2","Aldrin","0.006","ug/L","U
D2","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","1024-57-3","Heptachlor Epoxide","0.006","ug/L","U
D1","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","72-55-9","p,p-DDE","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","72-54-8","p,p-DDD","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","50-29-3","p,p-DDT","0.008","ug/L","U
D1","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","72-43-5","Methoxychlor","0.06","ug/L","U
D1","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.06",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","60-57-1","Dieldrin","0.008","ug/L","U
D2","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","72-20-8","Endrin","0.02","ug/L","U

D1","0.007","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","8001-35-2","Toxaphene","0.5","ug/L","U
D1","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99",,,,"0.5",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","959-98-8","Endosulfan I","0.007","ug/L","U
D1","0.004","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.007",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","33213-65-9","Endosulfan II","0.02","ug/L","U
D1","0.01","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"GRAB-12BERM-031618","8081B","RES","9509989","LL","1031-07-8","Endosulfan Sulfate","0.01","ug/L","U
D1","0.005","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.01",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","12674-11-2","PCB-1016","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.32","ug/L",,"0.012","NA",,"SURR","102",,"-99","NA","YES","0.31",,,,"0.024",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","2051-24-3","Decachlorobiphenyl-
D1","0.24","ug/L",,"0.012","NA",,"SURR","86",,"-99","NA","YES","0.28",,,,"0.024",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.31","ug/L",,"0.012","NA",,"SURR","100",,"-99","NA","YES","0.31",,,,"0.024",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","2051-24-3","Decachlorobiphenyl-
D2","0.24","ug/L",,"0.012","NA",,"SURR","88",,"-99","NA","YES","0.28",,,,"0.024",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","11104-28-2","PCB-1221","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","11141-16-5","PCB-1232","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","53469-21-9","PCB-1242","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","12672-29-6","PCB-1248","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","11097-69-1","PCB-1254","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","11096-82-5","PCB-1260","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","37324-23-5","PCB-1262","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","11100-14-4","PCB-1268","0.082","ug/L","U
D1","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","8082A","RES","9509989","LL","1336-36-3","Total
PCBs","0.082","ug/L","U","0.024","DL",,"TRG",,,"0.41","LOQ","YES","-99",,,,"0.082",
"GRAB-12BERM-031618","9056A","RES","9509989","LL","16887-00-
6","Chloride","11.9","mg/L",,"1.0","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"GRAB-12BERM-031618","9056A","RES","9509989","LL","14808-79-
8","Sulfate","5.5","mg/L",,"1.5","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"GRAB-12BERM-031618","9056A","RES","9509989","LL","14797-55-8","Nitrate
Nitrogen","0.50","mg/L","U","0.25","DL",,"TRG",,,"0.50","LOQ","YES","-99",,,,"0.50",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","1634-04-4","Methyl Tertiary Butyl
Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","1868-53-
7","Dibromofluoromethane","56","ug/L",,"0.3","NA",,"SURR","111",,"-99","NA","YES","50",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","17060-07-0","1,2-Dichloroethane-
d4","53","ug/L",,"0.3","NA",,"SURR","106",,"-99","NA","YES","50",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","2037-26-5","Toluene-
d8","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","460-00-4","4-
Bromofluorobenzene","48","ug/L",,"0.3","NA",,"SURR","96",,"-99","NA","YES","50",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","110-82-

7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","79-20-9","Methyl
Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","108-87-
2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-71-
8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","74-87-
3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-01-4","Vinyl
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","74-83-
9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-00-
3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-69-
4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-35-4","1,1-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-09-2","Methylene
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","156-60-5","trans-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-34-3","1,1-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","156-59-2","cis-1,2-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","67-66-
3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","74-97-
5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","71-55-6","1,1,1-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","56-23-5","Carbon
Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","71-43-
2","Benzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","107-06-2","1,2-
Dichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","79-01-
6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","78-87-5","1,2-
Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-27-
4","Bromodichloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","108-88-
3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","79-00-5","1,1,2-
Trichloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","127-18-
4","Tetrachloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","124-48-
1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","106-93-4","1,2-

Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","108-90-
7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","100-41-
4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","179601-23-1","m+p-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","95-47-6","o-
Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","100-42-
5","Styrene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-25-
2","Bromoform","1","ug/L","U","0.5","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","98-82-
8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","79-34-5","1,1,2,2-
Tetrachloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","541-73-1","1,3-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","106-46-7","1,4-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","95-50-1","1,2-
Dichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","96-12-8","1,2-Dibromo-3-
chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","120-82-1","1,2,4-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","87-61-6","1,2,3-
Trichlorobenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","67-64-
1","Acetone","20","ug/L","U","6","DL",,"TRG",,,"20","LOQ","YES","-99",,,,"20",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","75-15-0","Carbon
Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","78-93-3","2-
Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","10061-02-6","trans-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","10061-01-5","cis-1,3-
Dichloropropene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","108-10-1","4-Methyl-2-
pentanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","591-78-6","2-
Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
"GRAB-12BERM-031618","8260C","RES","9509989","LL","76-13-1","Freon
113","4","ug/L","U","2","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"4",
"GRAB-12BERM-031618","SM2320B","RES","9509989","LL","ALKT","Total Alkalinity to pH
4.5","27.1","mgCaCO3/L",,"1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","90-12-0","1-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","93951-69-0","Fluoranthene-
d10","0.8","ug/L",,"0.02","NA",,"SURR","81",,"-99","NA","YES","1",,,,"0.1",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","63466-71-7","Benzo(a)pyrene-
d12","0.9","ug/L",,"0.02","NA",,"SURR","85",,"-99","NA","YES","1",,,,"0.1",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","38072-94-5","1-Methylnaphthalene-

d10","0.8","ug/L",,"0.02","NA",,"SURR","79",,"-99","NA","YES","1",,,,"0.1",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","91-20-
3","Naphthalene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","91-57-6","2-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","208-96-
8","Acenaphthylene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","83-32-
9","Acenaphthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","86-73-
7","Fluorene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","85-01-
8","Phenanthrene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","120-12-
7","Anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","206-44-
0","Fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","129-00-
0","Pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","56-55-
3","Benzo(a)anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","218-01-
9","Chrysene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","205-99-
2","Benzo(b)fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","207-08-
9","Benzo(k)fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","50-32-
8","Benzo(a)pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.01","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","53-70-
3","Dibenz(a,h)anthracene","0.01","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","8270D SIM","RES","9509989","LL","191-24-
2","Benzo(g,h,i)perylene","0.02","ug/L","J","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"GRAB-12BERM-031618","RSK-175M","RES","9509989","LL","74-82-
8","Methane","6.0","ug/L","U","3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"GRAB-12BERM-031618","RSK-175M","RES","9509989","LL","115-07-
1","Propene","18","ug/L",,"1.0","NA",,"SURR","88",,"-99","NA","YES","21",,,,"2.1",
"GRAB-12BERM-031618","RSK-175M","RES","9509989","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"GRAB-12BERM-031618","SM5210B","RES","9509989","LL","BOD","Biochemical Oxygen Demand-
BOD","2.00","mg/L","U","2.00","DL",,"TRG",,,"2.00","LOQ","YES","-99",,,,"2.00",
"GRAB-12BERM-031618","537M","RES","9509989","LL","335-67-1","Perfluorooctanoic
acid","28","ng/L",,"0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-22-4L","13C4-
PFBA","19","ng/L",,"2.9","NA",,"SURR","97",,"-99","NA","YES","19",,,,"9.7",
"GRAB-12BERM-031618","537M","RES","9509989","LL","1763-23-1L","13C8-
PFOS","18","ng/L",,"4.9","NA",,"SURR","96",,"-99","NA","YES","19",,,,"9.7",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-95-1L","13C9-
PFNA","24","ng/L",,"0.97","NA",,"SURR","121",,"-99","NA","YES","19",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","335-76-2L","13C6-
PFDA","19","ng/L",,"0.97","NA",,"SURR","98",,"-99","NA","YES","19",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","2058-94-8L","13C7-

PFUnDA","18","ng/L",,"1.9","NA",,"SURR","92",,"-99","NA","YES","19",,,,"3.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","307-55-1L","13C2-
PFDoDA","16","ng/L",,"2.9","NA",,"SURR","82",,"-99","NA","YES","19",,,,"4.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","376-06-7L","13C2-
PFTeDA","10","ng/L",,"2.9","NA",,"SURR","53",,"-99","NA","YES","19",,,,"4.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","754-91-6L","13C8-
PFOSA","5.8","ng/L",,"2.9","NA",,"SURR","30",,"-99","NA","YES","19",,,,"8.7",
"GRAB-12BERM-031618","537M","RES","9509989","LL","2706-90-3L","13C5-
PFPeA","25","ng/L",,"0.97","NA",,"SURR","130",,"-99","NA","YES","19",,,,"2.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-73-5L","13C3-
PFBS","26","ng/L",,"2.9","NA",,"SURR","143",,"-99","NA","YES","18",,,,"9.7",
"GRAB-12BERM-031618","537M","RES","9509989","LL","307-24-4L","13C5-
PFHxA","16","ng/L",,"0.97","NA",,"SURR","81",,"-99","NA","YES","19",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","355-46-4L","13C3-
PFHxS","14","ng/L",,"3.9","NA",,"SURR","77",,"-99","NA","YES","18",,,,"9.7",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-85-9L","13C4-
PFHpA","17","ng/L",,"0.97","NA",,"SURR","86",,"-99","NA","YES","19",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","335-67-1L","13C8-
PFOA","17","ng/L",,"0.97","NA",,"SURR","89",,"-99","NA","YES","19",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-95-1","Perfluorononanoic
acid","1.9","ng/L","J","0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","335-76-2","Perfluorodecanoic
acid","2.9","ng/L","U","0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","2058-94-8","Perfluoroundecanoic
acid","4.6","ng/L",,"0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","307-55-1","Perfluorododecanoic
acid","0.97","ng/L","U","0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"GRAB-12BERM-031618","537M","RES","9509989","LL","72629-94-8","Perfluorotridecanoic
acid","1.9","ng/L","U","0.58","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","376-06-7","Perfluorotetradecanoic
acid","1.9","ng/L","U","0.58","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","307-24-4","Perfluorohexanoic
acid","30","ng/L",,"0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-85-9","Perfluoroheptanoic
acid","11","ng/L",,"0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-73-
5","Perfluorobutanesulfonate","7.0","ng/L",,"0.29","DL",,"TRG",,,"0.97","LOQ","YES","-99",,,,"0.97",
"GRAB-12BERM-031618","537M","RES","9509989","LL","355-46-
4","Perfluorohexanesulfonate","86","ng/L",,"0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","1763-23-1","Perfluoro-
octanesulfonate","78","ng/L",,"0.58","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-22-4","Perfluorobutanoic
acid","9.1","ng/L",,"1.9","DL",,"TRG",,,"5.8","LOQ","YES","-99",,,,"5.8",
"GRAB-12BERM-031618","537M","RES","9509989","LL","2706-90-3","Perfluoropentanoic
acid","23","ng/L",,"1.9","DL",,"TRG",,,"5.8","LOQ","YES","-99",,,,"5.8",
"GRAB-12BERM-031618","537M","RES","9509989","LL","375-92-
8","Perfluoroheptanesulfonate","1.3","ng/L","J","0.39","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","335-77-
3","Perfluorodecanesulfonate","2.9","ng/L","U","0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"GRAB-12BERM-031618","537M","RES","9509989","LL","754-91-
6","Perfluorooctanesulfonamide","2.9","ng/L","U","0.97","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"FRB-031618","537M","RES","9509990","LL","335-67-1","Perfluorooctanoic
acid","0.96","ng/L","U","0.29","DL",,"TRG",,,"0.96","LOQ","YES","-99",,,,"0.96",
"FRB-031618","537M","RES","9509990","LL","375-22-4L","13C4-

PFBA","18","ng/L",,"2.9","NA",,"SURR","97",,"-99","NA","YES","19",,,,"9.6",
"FRB-031618","537M","RES","9509990","LL","1763-23-1L","13C8-
PFOS","17","ng/L",,"4.8","NA",,"SURR","93",,"-99","NA","YES","18",,,,"9.6",
"FRB-031618","537M","RES","9509990","LL","375-95-1L","13C9-
PFNA","19","ng/L",,"0.96","NA",,"SURR","98",,"-99","NA","YES","19",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","335-76-2L","13C6-
PFDA","20","ng/L",,"0.96","NA",,"SURR","103",,"-99","NA","YES","19",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","2058-94-8L","13C7-
PFUnDA","19","ng/L",,"1.9","NA",,"SURR","101",,"-99","NA","YES","19",,,,"3.8",
"FRB-031618","537M","RES","9509990","LL","307-55-1L","13C2-
PFDoDA","20","ng/L",,"2.9","NA",,"SURR","102",,"-99","NA","YES","19",,,,"4.8",
"FRB-031618","537M","RES","9509990","LL","376-06-7L","13C2-
PFTeDA","17","ng/L",,"2.9","NA",,"SURR","89",,"-99","NA","YES","19",,,,"4.8",
"FRB-031618","537M","RES","9509990","LL","754-91-6L","13C8-
PFOSA","19","ng/L",,"2.9","NA",,"SURR","97",,"-99","NA","YES","19",,,,"8.6",
"FRB-031618","537M","RES","9509990","LL","2706-90-3L","13C5-
PFPeA","20","ng/L",,"0.96","NA",,"SURR","102",,"-99","NA","YES","19",,,,"2.9",
"FRB-031618","537M","RES","9509990","LL","375-73-5L","13C3-
PFBS","18","ng/L",,"2.9","NA",,"SURR","100",,"-99","NA","YES","18",,,,"9.6",
"FRB-031618","537M","RES","9509990","LL","307-24-4L","13C5-
PFHxA","18","ng/L",,"0.96","NA",,"SURR","96",,"-99","NA","YES","19",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","355-46-4L","13C3-
PFHxS","17","ng/L",,"3.8","NA",,"SURR","93",,"-99","NA","YES","18",,,,"9.6",
"FRB-031618","537M","RES","9509990","LL","375-85-9L","13C4-
PFHpA","16","ng/L",,"0.96","NA",,"SURR","81",,"-99","NA","YES","19",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","335-67-1L","13C8-
PFOA","17","ng/L",,"0.96","NA",,"SURR","91",,"-99","NA","YES","19",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","375-95-1","Perfluorononanoic
acid","1.9","ng/L","U","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","335-76-2","Perfluorodecanoic
acid","2.9","ng/L","U","0.96","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"FRB-031618","537M","RES","9509990","LL","2058-94-8","Perfluoroundecanoic
acid","1.9","ng/L","U","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","307-55-1","Perfluorododecanoic
acid","0.96","ng/L","U","0.29","DL",,"TRG",,,"0.96","LOQ","YES","-99",,,,"0.96",
"FRB-031618","537M","RES","9509990","LL","72629-94-8","Perfluorotridecanoic
acid","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","376-06-7","Perfluorotetradecanoic
acid","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","307-24-4","Perfluorohexanoic
acid","2.9","ng/L","U","0.96","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"FRB-031618","537M","RES","9509990","LL","375-85-9","Perfluoroheptanoic
acid","0.96","ng/L","U","0.29","DL",,"TRG",,,"0.96","LOQ","YES","-99",,,,"0.96",
"FRB-031618","537M","RES","9509990","LL","375-73-
5","Perfluorobutanesulfonate","0.96","ng/L","U","0.29","DL",,"TRG",,,"0.96","LOQ","YES","-99",,,,"0.96",
"FRB-031618","537M","RES","9509990","LL","355-46-
4","Perfluorohexanesulfonate","1.9","ng/L","U","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","1763-23-1","Perfluoro-
octanesulfonate","1.9","ng/L","U","0.57","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","375-22-4","Perfluorobutanoic
acid","5.7","ng/L","U","1.9","DL",,"TRG",,,"5.7","LOQ","YES","-99",,,,"5.7",
"FRB-031618","537M","RES","9509990","LL","2706-90-3","Perfluoropentanoic
acid","5.7","ng/L","U","1.9","DL",,"TRG",,,"5.7","LOQ","YES","-99",,,,"5.7",
"FRB-031618","537M","RES","9509990","LL","375-92-

8","Perfluoroheptanesulfonate","1.9","ng/L","U","0.38","DL",,"TRG",,,"1.9","LOQ","YES","-99",,,,"1.9",
"FRB-031618","537M","RES","9509990","LL","335-77-
3","Perfluorodecanesulfonate","2.9","ng/L","U","0.96","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"FRB-031618","537M","RES","9509990","LL","754-91-
6","Perfluorooctanesulfonamide","2.9","ng/L","U","0.96","DL",,"TRG",,,"2.9","LOQ","YES","-99",,,,"2.9",
"LCS18076141082A","SM5210B","RES","LCS18076141082A","LL","BOD","Biochemical Oxygen Demand-
BOD","174","mg/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","198",,,,"2.00",
"BLK18076265317A","9056A","RES","BLK18076265317A","LL","16887-00-
6","Chloride","0.40","mg/L","U","0.20","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.40",
"BLK18076265317A","9056A","RES","BLK18076265317A","LL","14808-79-
8","Sulfate","1.0","mg/L","U","0.30","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"BLK18076265317A","9056A","RES","BLK18076265317A","LL","14797-55-8","Nitrate
Nitrogen","0.10","mg/L","U","0.050","DL",,"TRG",,,"0.10","LOQ","YES","-99",,,,"0.10",
"LCS18076265317A","9056A","RES","LCS18076265317A","LL","16887-00-
6","Chloride","2.9","mg/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","3.0",,,,"0.40",
"LCS18076265317A","9056A","RES","LCS18076265317A","LL","14808-79-
8","Sulfate","7.5","mg/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","7.5",,,,"1.0",
"LCS18076265317A","9056A","RES","LCS18076265317A","LL","14797-55-8","Nitrate
Nitrogen","0.77","mg/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","0.75",,,,"0.10",
"BLK180780022A","RSK-175M","RES","BLK180780022A","LL","74-82-
8","Methane","6.0","ug/L","U","3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"BLK180780022A","RSK-175M","RES","BLK180780022A","LL","115-07-
1","Propene","22","ug/L",,"1.0","NA",,"SURR","107",,"-99","NA","YES","21",,,,"2.1",
"BLK180780022A","RSK-175M","RES","BLK180780022A","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"LCS180780022A","RSK-175M","RES","LCS180780022A","LL","74-82-
8","Methane","64","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","60",,,,"6.0",
"LCS180780022A","RSK-175M","RES","LCS180780022A","LL","115-07-
1","Propene","22","ug/L",,"1.0","NA",,"SURR","108",,"-99","NA","YES","21",,,,"2.1",
"LCS180780022A","RSK-175M","RES","LCS180780022A","LL","74-84-
0","Ethane","60","ug/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","58",,,,"0.80",
"BLK180780028A","8082A","RES","BLK180780028A","LL","12674-11-2","PCB-
1016","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.27","ug/L",,"0.012","NA",,"SURR","88",,"-99","NA","YES","0.31",,,,"0.024",
"BLK180780028A","8082A","RES","BLK180780028A","LL","2051-24-3","Decachlorobiphenyl-
D1","0.25","ug/L",,"0.012","NA",,"SURR","90",,"-99","NA","YES","0.27",,,,"0.024",
"BLK180780028A","8082A","RES","BLK180780028A","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.26","ug/L",,"0.012","NA",,"SURR","87",,"-99","NA","YES","0.31",,,,"0.024",
"BLK180780028A","8082A","RES","BLK180780028A","LL","2051-24-3","Decachlorobiphenyl-
D2","0.25","ug/L",,"0.012","NA",,"SURR","91",,"-99","NA","YES","0.27",,,,"0.024",
"BLK180780028A","8082A","RES","BLK180780028A","LL","11104-28-2","PCB-
1221","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","11141-16-5","PCB-
1232","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","53469-21-9","PCB-
1242","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","12672-29-6","PCB-
1248","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","11097-69-1","PCB-
1254","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","11096-82-5","PCB-
1260","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","37324-23-5","PCB-

1262","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","11100-14-4","PCB-
1268","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"BLK180780028A","8082A","RES","BLK180780028A","LL","1336-36-3","Total
PCBs","0.080","ug/L","U","0.024","DL",,"TRG",,,"0.40","LOQ","YES","-99",,,,"0.080",
"LCS180780028A","8082A","RES","LCS180780028A","LL","12674-11-2","PCB-
1016","5.2","ug/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","5.0",,,,"0.080",
"LCS180780028A","8082A","RES","LCS180780028A","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.30","ug/L",,"0.012","NA",,"SURR","99",,"-99","NA","YES","0.31",,,,"0.024",
"LCS180780028A","8082A","RES","LCS180780028A","LL","2051-24-3","Decachlorobiphenyl-
D1","0.24","ug/L",,"0.012","NA",,"SURR","89",,"-99","NA","YES","0.27",,,,"0.024",
"LCS180780028A","8082A","RES","LCS180780028A","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.31","ug/L",,"0.012","NA",,"SURR","102",,"-99","NA","YES","0.31",,,,"0.024",
"LCS180780028A","8082A","RES","LCS180780028A","LL","2051-24-3","Decachlorobiphenyl-
D2","0.25","ug/L",,"0.012","NA",,"SURR","93",,"-99","NA","YES","0.27",,,,"0.024",
"LCS180780028A","8082A","RES","LCS180780028A","LL","11096-82-5","PCB-
1260","6.6","ug/L",,"-99","NA",,"SPK","133",,"-99","NA","YES","5.0",,,,"0.080",
"BLK180780571312","7470A","RES","BLK180780571312","LL","7439-97-
6","Mercury","0.00010","mg/L","U","0.000050","DL",,"TRG",,,"0.00020","LOQ","YES","-99",,,,"0.00010",
"LCS180780571312","7470A","RES","LCS180780571312","LL","7439-97-
6","Mercury","0.00093","mg/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","0.0010",,,,"0.00010",
"BLK180790024A","RSK-175M","RES","BLK180790024A","LL","74-82-
8","Methane","6.0","ug/L","U","3.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"BLK180790024A","RSK-175M","RES","BLK180790024A","LL","115-07-
1","Propene","23","ug/L",,"1.0","NA",,"SURR","113",,"-99","NA","YES","21",,,,"2.1",
"BLK180790024A","RSK-175M","RES","BLK180790024A","LL","74-84-
0","Ethane","0.80","ug/L","U","0.20","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"0.80",
"LCS180790024A","RSK-175M","RES","LCS180790024A","LL","74-82-
8","Methane","65","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","60",,,,"6.0",
"LCS180790024A","RSK-175M","RES","LCS180790024A","LL","115-07-
1","Propene","23","ug/L",,"1.0","NA",,"SURR","111",,"-99","NA","YES","21",,,,"2.1",
"LCS180790024A","RSK-175M","RES","LCS180790024A","LL","74-84-
0","Ethane","61","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","58",,,,"0.80",
"BLK18079006104A","SM2320B","RES","BLK18079006104A","LL","ALKT","Total Alkalinity to pH
4.5","1.8","mgCaCO3/L","J","1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"LCS18079006104A","SM2320B","RES","LCS18079006104A","LL","ALKT","Total Alkalinity to pH
4.5","176","mgCaCO3/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","188",,,,"5.0",
"BLK18079006105A","SM2320B","RES","BLK18079006105A","LL","ALKT","Total Alkalinity to pH
4.5","5.0","mgCaCO3/L","U","1.7","DL",,"TRG",,,"5.0","LOQ","YES","-99",,,,"5.0",
"LCS18079006105A","SM2320B","RES","LCS18079006105A","LL","ALKT","Total Alkalinity to pH
4.5","176","mgCaCO3/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","188",,,,"5.0",
"BLK18080005","537M","RES","BLK18080005","LL","335-67-1","Perfluorooctanoic
acid","1.0","ng/L","U","0.30","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-22-4L","13C4-
PFBA","20","ng/L",,"3.0","NA",,"SURR","101",,"-99","NA","YES","20",,,,"10",
"BLK18080005","537M","RES","BLK18080005","LL","1763-23-1L","13C8-
PFOS","19","ng/L",,"5.0","NA",,"SURR","99",,"-99","NA","YES","19",,,,"10",
"BLK18080005","537M","RES","BLK18080005","LL","375-95-1L","13C9-
PFNA","20","ng/L",,"1.0","NA",,"SURR","100",,"-99","NA","YES","20",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","335-76-2L","13C6-
PFDA","20","ng/L",,"1.0","NA",,"SURR","102",,"-99","NA","YES","20",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","2058-94-8L","13C7-
PFUnDA","21","ng/L",,"2.0","NA",,"SURR","104",,"-99","NA","YES","20",,,,"4.0",
"BLK18080005","537M","RES","BLK18080005","LL","307-55-1L","13C2-

PFDoDA","19","ng/L",,"3.0","NA",,"SURR","95",,"-99","NA","YES","20",,,,"5.0",
"BLK18080005","537M","RES","BLK18080005","LL","376-06-7L","13C2-
PFTeDA","13","ng/L",,"3.0","NA",,"SURR","65",,"-99","NA","YES","20",,,,"5.0",
"BLK18080005","537M","RES","BLK18080005","LL","754-91-6L","13C8-
PFOSA","20","ng/L",,"3.0","NA",,"SURR","99",,"-99","NA","YES","20",,,,"9.0",
"BLK18080005","537M","RES","BLK18080005","LL","2706-90-3L","13C5-
PFPeA","23","ng/L",,"1.0","NA",,"SURR","113",,"-99","NA","YES","20",,,,"3.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-73-5L","13C3-
PFBS","18","ng/L",,"3.0","NA",,"SURR","98",,"-99","NA","YES","19",,,,"10",
"BLK18080005","537M","RES","BLK18080005","LL","307-24-4L","13C5-
PFHxA","20","ng/L",,"1.0","NA",,"SURR","99",,"-99","NA","YES","20",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","355-46-4L","13C3-
PFHxS","19","ng/L",,"4.0","NA",,"SURR","99",,"-99","NA","YES","19",,,,"10",
"BLK18080005","537M","RES","BLK18080005","LL","375-85-9L","13C4-
PFHpA","20","ng/L",,"1.0","NA",,"SURR","100",,"-99","NA","YES","20",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","335-67-1L","13C8-
PFOA","19","ng/L",,"1.0","NA",,"SURR","97",,"-99","NA","YES","20",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-95-1","Perfluorononanoic
acid","2.0","ng/L","U","0.40","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","335-76-2","Perfluorodecanoic
acid","3.0","ng/L","U","1.0","DL",,"TRG",,,"3.0","LOQ","YES","-99",,,,"3.0",
"BLK18080005","537M","RES","BLK18080005","LL","2058-94-8","Perfluoroundecanoic
acid","2.0","ng/L","U","0.40","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","307-55-1","Perfluorododecanoic
acid","1.0","ng/L","U","0.30","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"BLK18080005","537M","RES","BLK18080005","LL","72629-94-8","Perfluorotridecanoic
acid","2.0","ng/L","U","0.60","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","376-06-7","Perfluorotetradecanoic
acid","2.0","ng/L","U","0.60","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","307-24-4","Perfluorohexanoic
acid","3.0","ng/L","U","1.0","DL",,"TRG",,,"3.0","LOQ","YES","-99",,,,"3.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-85-9","Perfluoroheptanoic
acid","1.0","ng/L","U","0.30","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-73-
5","Perfluorobutanesulfonate","1.0","ng/L","U","0.30","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"BLK18080005","537M","RES","BLK18080005","LL","355-46-
4","Perfluorohexanesulfonate","2.0","ng/L","U","0.40","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","1763-23-1","Perfluoro-
octanesulfonate","2.0","ng/L","U","0.60","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-22-4","Perfluorobutanoic
acid","6.0","ng/L","U","2.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"BLK18080005","537M","RES","BLK18080005","LL","2706-90-3","Perfluoropentanoic
acid","6.0","ng/L","U","2.0","DL",,"TRG",,,"6.0","LOQ","YES","-99",,,,"6.0",
"BLK18080005","537M","RES","BLK18080005","LL","375-92-
8","Perfluoroheptanesulfonate","2.0","ng/L","U","0.40","DL",,"TRG",,,"2.0","LOQ","YES","-99",,,,"2.0",
"BLK18080005","537M","RES","BLK18080005","LL","335-77-
3","Perfluorodecanesulfonate","3.0","ng/L","U","1.0","DL",,"TRG",,,"3.0","LOQ","YES","-99",,,,"3.0",
"BLK18080005","537M","RES","BLK18080005","LL","754-91-
6","Perfluorooctanesulfonamide","3.0","ng/L","U","1.0","DL",,"TRG",,,"3.0","LOQ","YES","-99",,,,"3.0",
"LCS18080005","537M","RES","LCS18080005","LL","335-67-1","Perfluorooctanoic
acid","4.9","ng/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","5.4",,,,"1.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-22-4L","13C4-
PFBA","18","ng/L",,"3.0","NA",,"SURR","88",,"-99","NA","YES","20",,,,"10",
"LCS18080005","537M","RES","LCS18080005","LL","1763-23-1L","13C8-

PFOS","16","ng/L",,"5.0","NA",,"SURR","85",,"-99","NA","YES","19",,,,"10",
"LCS18080005","537M","RES","LCS18080005","LL","375-95-1L","13C9-
PFNA","17","ng/L",,"1.0","NA",,"SURR","86",,"-99","NA","YES","20",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","335-76-2L","13C6-
PFDA","19","ng/L",,"1.0","NA",,"SURR","94",,"-99","NA","YES","20",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","2058-94-8L","13C7-
PFUnDA","17","ng/L",,"2.0","NA",,"SURR","84",,"-99","NA","YES","20",,,,"4.0",
"LCS18080005","537M","RES","LCS18080005","LL","307-55-1L","13C2-
PFDoDA","17","ng/L",,"3.0","NA",,"SURR","87",,"-99","NA","YES","20",,,,"5.0",
"LCS18080005","537M","RES","LCS18080005","LL","376-06-7L","13C2-
PFTeDA","15","ng/L",,"3.0","NA",,"SURR","73",,"-99","NA","YES","20",,,,"5.0",
"LCS18080005","537M","RES","LCS18080005","LL","754-91-6L","13C8-
PFOSA","16","ng/L",,"3.0","NA",,"SURR","78",,"-99","NA","YES","20",,,,"9.0",
"LCS18080005","537M","RES","LCS18080005","LL","2706-90-3L","13C5-
PFPeA","19","ng/L",,"1.0","NA",,"SURR","96",,"-99","NA","YES","20",,,,"3.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-73-5L","13C3-
PFBS","16","ng/L",,"3.0","NA",,"SURR","85",,"-99","NA","YES","19",,,,"10",
"LCS18080005","537M","RES","LCS18080005","LL","307-24-4L","13C5-
PFHxA","18","ng/L",,"1.0","NA",,"SURR","91",,"-99","NA","YES","20",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","355-46-4L","13C3-
PFHxS","16","ng/L",,"4.0","NA",,"SURR","87",,"-99","NA","YES","19",,,,"10",
"LCS18080005","537M","RES","LCS18080005","LL","375-85-9L","13C4-
PFHpA","17","ng/L",,"1.0","NA",,"SURR","85",,"-99","NA","YES","20",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","335-67-1L","13C8-
PFOA","18","ng/L",,"1.0","NA",,"SURR","91",,"-99","NA","YES","20",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-95-1","Perfluorononanoic
acid","5.1","ng/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","5.4",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","335-76-2","Perfluorodecanoic
acid","5.1","ng/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","5.4",,,,"3.0",
"LCS18080005","537M","RES","LCS18080005","LL","2058-94-8","Perfluoroundecanoic
acid","5.6","ng/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","5.4",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","307-55-1","Perfluorododecanoic
acid","5.2","ng/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","5.4",,,,"1.0",
"LCS18080005","537M","RES","LCS18080005","LL","72629-94-8","Perfluorotridecanoic
acid","4.8","ng/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","5.4",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","376-06-7","Perfluorotetradecanoic
acid","5.7","ng/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","5.4",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","307-24-4","Perfluorohexanoic
acid","5.2","ng/L",,"-99","NA",,"SPK","95",,"-99","NA","YES","5.4",,,,"3.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-85-9","Perfluoroheptanoic
acid","6.0","ng/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","5.4",,,,"1.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-73-
5","Perfluorobutanesulfonate","4.7","ng/L",,"-99","NA",,"SPK","97",,"-99","NA","YES","4.8",,,,"1.0",
"LCS18080005","537M","RES","LCS18080005","LL","355-46-
4","Perfluorohexanesulfonate","4.6","ng/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","5.1",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","1763-23-1","Perfluoro-
octanesulfonate","4.9","ng/L",,"-99","NA",,"SPK","94",,"-99","NA","YES","5.2",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-22-4","Perfluorobutanoic
acid","5.1","ng/L","J","-99","NA",,"SPK","94",,"-99","NA","YES","5.4",,,,"6.0",
"LCS18080005","537M","RES","LCS18080005","LL","2706-90-3","Perfluoropentanoic
acid","5.2","ng/L","J","-99","NA",,"SPK","95",,"-99","NA","YES","5.4",,,,"6.0",
"LCS18080005","537M","RES","LCS18080005","LL","375-92-
8","Perfluoroheptanesulfonate","4.6","ng/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","5.2",,,,"2.0",
"LCS18080005","537M","RES","LCS18080005","LL","335-77-

3","Perfluorodecanesulfonate","4.8","ng/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","5.2",,,,"3.0",
"LCS18080005","537M","RES","LCS18080005","LL","754-91-
6","Perfluorooctanesulfonamide","4.9","ng/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","5.4",,,,"3.0",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7429-90-
5","Aluminum","0.0500","mg/L","U","0.0215","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0500",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-36-
0","Antimony","0.0010","mg/L","U","0.00045","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.0010",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-38-
2","Arsenic","0.0020","mg/L","U","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-41-
7","Beryllium","0.00025","mg/L","U","0.000071","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-43-
9","Cadmium","0.00050","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-47-
3","Chromium","0.0020","mg/L","U","0.00087","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-48-
4","Cobalt","0.00050","mg/L","U","0.00016","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-50-
8","Copper","0.0010","mg/L","U","0.00054","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7439-89-
6","Iron","0.100","mg/L","U","0.0374","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.100",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7439-92-
1","Lead","0.00025","mg/L","U","0.00011","DL",,"TRG",,,"0.0020","LOQ","YES","-99",,,,"0.00025",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7439-95-
4","Magnesium","0.0250","mg/L","U","0.0106","DL",,"TRG",,,"0.200","LOQ","YES","-99",,,,"0.0250",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7439-96-
5","Manganese","0.0020","mg/L","U","0.00090","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-02-
0","Nickel","0.0020","mg/L","U","0.0010","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-09-
7","Potassium","0.200","mg/L","U","0.0525","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-22-
4","Silver","0.00025","mg/L","U","0.00015","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-23-
5","Sodium","0.100","mg/L","U","0.0500","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.100",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-28-
0","Thallium","0.00025","mg/L","U","0.00012","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00025",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-62-
2","Vanadium","0.00050","mg/L","U","0.00021","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"BLK180801063902A","6020A","RES","BLK180801063902A","LL","7440-66-
6","Zinc","0.0075","mg/L","U","0.0039","DL",,"TRG",,,"0.0300","LOQ","YES","-99",,,,"0.0075",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7429-90-
5","Aluminum","2.22","mg/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","2.00",,,,"0.0500",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-36-
0","Antimony","0.0065","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","0.0060",,,,"0.0010",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-38-
2","Arsenic","0.0103","mg/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","0.0100",,,,"0.0020",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-41-
7","Beryllium","0.0041","mg/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","0.0040",,,,"0.00025",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-43-
9","Cadmium","0.0052","mg/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","0.0050",,,,"0.00050",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-47-
3","Chromium","0.0546","mg/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","0.0500",,,,"0.0020",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-48-

4","Cobalt","0.256","mg/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","0.250",,,,"0.00050",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-50-
8","Copper","0.0519","mg/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","0.0500",,,,"0.0010",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7439-89-
6","Iron","1.06","mg/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","1.00",,,,"0.100",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7439-92-
1","Lead","0.0154","mg/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","0.0150",,,,"0.00025",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7439-95-
4","Magnesium","2.14","mg/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","2.00",,,,"0.0250",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7439-96-
5","Manganese","0.0549","mg/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","0.0500",,,,"0.0020",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-02-
0","Nickel","0.0542","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","0.0500",,,,"0.0020",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-09-
7","Potassium","10.8","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","10.0",,,,"0.200",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-22-
4","Silver","0.0519","mg/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","0.0500",,,,"0.00025",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-23-
5","Sodium","10.5","mg/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","10.0",,,,"0.100",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-28-
0","Thallium","0.0019","mg/L",,"-99","NA",,"SPK","97",,"-99","NA","YES","0.0020",,,,"0.00025",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-62-
2","Vanadium","0.0544","mg/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","0.0500",,,,"0.00050",
"LCS180801063902A","6020A","RES","LCS180801063902A","LL","7440-66-
6","Zinc","0.508","mg/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","0.500",,,,"0.0075",
"BLK180801063902B","6020A","RES","BLK180801063902B","LL","7440-70-
2","Calcium","0.200","mg/L","U","0.0943","DL",,"TRG",,,"0.400","LOQ","YES","-99",,,,"0.200",
"BLK180801063902B","6020A","RES","BLK180801063902B","LL","7782-49-
2","Selenium","0.0010","mg/L","U","0.00050","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0010",
"LCS180801063902B","6020A","RES","LCS180801063902B","LL","7440-70-
2","Calcium","4.30","mg/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","4.00",,,,"0.200",
"LCS180801063902B","6020A","RES","LCS180801063902B","LL","7782-49-
2","Selenium","0.0104","mg/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","0.0100",,,,"0.0010",
"BLK180801063902C","6020A","RES","BLK180801063902C","LL","7439-98-
7","Molybdenum","0.00050","mg/L","U","0.00025","DL",,"TRG",,,"0.0010","LOQ","YES","-99",,,,"0.00050",
"LCS180801063902C","6020A","RES","LCS180801063902C","LL","7439-98-
7","Molybdenum","0.0496","mg/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","0.0500",,,,"0.00050",
"BLK180801063902D","6020A","RES","BLK180801063902D","LL","7440-39-
3","Barium","0.0020","mg/L","U","0.00072","DL",,"TRG",,,"0.0040","LOQ","YES","-99",,,,"0.0020",
"LCS180801063902D","6020A","RES","LCS180801063902D","LL","7440-39-
3","Barium","0.0544","mg/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","0.0500",,,,"0.0020",
"LCS180810019A","8015C","RES","LCS180810019A","LL","PHCE","Total
TPH","0.60","mg/L",,"-99","NA",,"SPK","74",,"-99","NA","YES","0.80",,,,"0.10",
"LCS180810019A","8015C","RES","LCS180810019A","LL","108-90-
7","Chlorobenzene","0.010","mg/L",,"0.00060","NA",,"SURR","83",,"-99","NA","YES","0.012",,,,"0.0012",
"LCS180810019A","8015C","RES","LCS180810019A","LL","84-15-
1","Orthoterphenyl","0.012","mg/L",,"0.00060","NA",,"SURR","98",,"-99","NA","YES","0.012",,,,"0.0012",
"BLK180810019A","8015C","RES","BLK180810019A","LL","PHCE","Total
TPH","0.10","mg/L","U","0.050","DL",,"TRG",,,"0.20","LOQ","YES","-99",,,,"0.10",
"BLK180810019A","8015C","RES","BLK180810019A","LL","108-90-
7","Chlorobenzene","0.010","mg/L",,"0.00060","NA",,"SURR","83",,"-99","NA","YES","0.012",,,,"0.0012",
"BLK180810019A","8015C","RES","BLK180810019A","LL","84-15-
1","Orthoterphenyl","0.012","mg/L",,"0.00060","NA",,"SURR","99",,"-99","NA","YES","0.012",,,,"0.0012",
"BLK180810019A","8015C","RES","BLK180810019A","LL","PHCC8C44","C8-

C44","0.10","mg/L","U","0.050","DL",,"TRG",,,"0.20","LOQ","YES","-99",,,,"0.10",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","90-12-0","1-
Methylnaphthalene","0.8","ug/L",,"-99","NA",,"SPK","77",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","93951-69-0","Fluoranthene-
d10","0.9","ug/L",,"0.03","NA",,"SURR","87",,"-99","NA","YES","1",,,,"0.1",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","63466-71-7","Benzo(a)pyrene-
d12","0.9","ug/L",,"0.03","NA",,"SURR","95",,"-99","NA","YES","1",,,,"0.1",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","38072-94-5","1-Methylnaphthalene-
d10","0.8","ug/L",,"0.03","NA",,"SURR","84",,"-99","NA","YES","1",,,,"0.1",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","91-20-
3","Naphthalene","0.7","ug/L",,"-99","NA",,"SPK","75",,"-99","NA","YES","1",,,,"0.06",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","91-57-6","2-
Methylnaphthalene","0.7","ug/L",,"-99","NA",,"SPK","69",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","208-96-
8","Acenaphthylene","0.7","ug/L",,"-99","NA",,"SPK","72",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","83-32-
9","Acenaphthene","0.9","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","86-73-
7","Fluorene","0.8","ug/L",,"-99","NA",,"SPK","78",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","85-01-
8","Phenanthrene","0.8","ug/L",,"-99","NA",,"SPK","77",,"-99","NA","YES","1",,,,"0.06",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","120-12-
7","Anthracene","0.8","ug/L",,"-99","NA",,"SPK","80",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","206-44-
0","Fluoranthene","0.8","ug/L",,"-99","NA",,"SPK","82",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","129-00-
0","Pyrene","0.8","ug/L",,"-99","NA",,"SPK","76",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","56-55-
3","Benzo(a)anthracene","0.8","ug/L",,"-99","NA",,"SPK","81",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","218-01-
9","Chrysene","0.8","ug/L",,"-99","NA",,"SPK","82",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","205-99-
2","Benzo(b)fluoranthene","0.8","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","207-08-
9","Benzo(k)fluoranthene","0.9","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","50-32-
8","Benzo(a)pyrene","0.9","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.9","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","53-70-
3","Dibenz(a,h)anthracene","0.9","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","1",,,,"0.04",
"LCS18081WAM026","8270D SIM","RES","LCS18081WAM026","LL","191-24-
2","Benzo(g,h,i)perylene","0.9","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","1",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","90-12-0","1-
Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","93951-69-0","Fluoranthene-
d10","0.8","ug/L",,"0.03","NA",,"SURR","79",,"-99","NA","YES","1",,,,"0.1",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","63466-71-7","Benzo(a)pyrene-
d12","0.9","ug/L",,"0.03","NA",,"SURR","85",,"-99","NA","YES","1",,,,"0.1",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","38072-94-5","1-Methylnaphthalene-
d10","0.7","ug/L",,"0.03","NA",,"SURR","74",,"-99","NA","YES","1",,,,"0.1",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","91-20-
3","Naphthalene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","91-57-6","2-

Methylnaphthalene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","208-96-
8","Acenaphthylene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","83-32-
9","Acenaphthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","86-73-
7","Fluorene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","85-01-
8","Phenanthrene","0.06","ug/L","U","0.03","DL",,"TRG",,,"0.06","LOQ","YES","-99",,,,"0.06",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","120-12-
7","Anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","206-44-
0","Fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","129-00-
0","Pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","56-55-
3","Benzo(a)anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","218-01-
9","Chrysene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","205-99-
2","Benzo(b)fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","207-08-
9","Benzo(k)fluoranthene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","50-32-
8","Benzo(a)pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","53-70-
3","Dibenz(a,h)anthracene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"BLK18081WAM026","8270D SIM","RES","BLK18081WAM026","LL","191-24-
2","Benzo(g,h,i)perylene","0.04","ug/L","U","0.01","DL",,"TRG",,,"0.05","LOQ","YES","-99",,,,"0.04",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","92-52-4","1,1'-
Biphenyl","45","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","13127-88-3","Phenol-
d6","76","ug/L",,"10","NA",,"SURR","38",,"-99","NA","YES","200",,,,"20",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","367-12-4","2-
Fluorophenol","97","ug/L",,"10","NA",,"SURR","49",,"-99","NA","YES","200",,,,"20",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","118-79-6","2,4,6-
Tribromophenol","180","ug/L",,"10","NA",,"SURR","89",,"-99","NA","YES","200",,,,"20",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","4165-60-0","Nitrobenzene-
d5","85","ug/L",,"5","NA",,"SURR","85",,"-99","NA","YES","100",,,,"10",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","321-60-8","2-
Fluorobiphenyl","86","ug/L",,"5","NA",,"SURR","86",,"-99","NA","YES","100",,,,"10",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","1718-51-0","Terphenyl-
d14","87","ug/L",,"5","NA",,"SURR","87",,"-99","NA","YES","100",,,,"10",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","46","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","98-86-
2","Acetophenone","42","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","87-65-0","2,6-
Dichlorophenol","46","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","42","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","106-44-5","4-

Methylphenol","40","ug/L",,"-99","NA",,"SPK","80",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","106-47-8","4-
Chloroaniline","26","ug/L",,"-99","NA",,"SPK","52",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","132-64-
9","Dibenzofuran","45","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","91-57-6","2-
Methylnaphthalene","42","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","88-74-4","2-
Nitroaniline","50","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","99-09-2","3-
Nitroaniline","43","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","100-01-6","4-
Nitroaniline","41","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","95-95-4","2,4,5-
Trichlorophenol","49","ug/L",,"-99","NA",,"SPK","97",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","95-57-8","2-
Chlorophenol","42","ug/L",,"-99","NA",,"SPK","84",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","108-95-
2","Phenol","22","ug/L",,"-99","NA",,"SPK","44",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","88-75-5","2-
Nitrophenol","49","ug/L",,"-99","NA",,"SPK","98",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","105-67-9","2,4-
Dimethylphenol","41","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","120-83-2","2,4-
Dichlorophenol","48","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","59-50-7","4-Chloro-3-
methylphenol","46","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","88-06-2","2,4,6-
Trichlorophenol","48","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","51-28-5","2,4-
Dinitrophenol","90","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","100",,,,"30",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","100-02-7","4-
Nitrophenol","21","ug/L","J","-99","NA",,"SPK","42",,"-99","NA","YES","50",,,,"30",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","534-52-1","4,6-Dinitro-2-
methylphenol","45","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"15",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","87-86-
5","Pentachlorophenol","33","ug/L",,"-99","NA",,"SPK","67",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","111-44-4","bis(2-
Chloroethyl)ether","41","ug/L",,"-99","NA",,"SPK","82",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","67-72-
1","Hexachloroethane","29","ug/L",,"-99","NA",,"SPK","58",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","621-64-7","N-Nitroso-di-n-
propylamine","40","ug/L",,"-99","NA",,"SPK","80",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","98-95-
3","Nitrobenzene","44","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","78-59-
1","Isophorone","45","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","111-91-1","bis(2-
Chloroethoxy)methane","44","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","91-20-
3","Naphthalene","40","ug/L",,"-99","NA",,"SPK","81",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","87-68-
3","Hexachlorobutadiene","33","ug/L",,"-99","NA",,"SPK","66",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","77-47-

4","Hexachlorocyclopentadiene","40","ug/L",,"-99","NA",,"SPK","40",,"-99","NA","YES","100",,,,"15",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","91-58-7","2-
Chloronaphthalene","43","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","208-96-
8","Acenaphthylene","50","ug/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","131-11-
3","Dimethylphthalate","44","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","606-20-2","2,6-
Dinitrotoluene","48","ug/L",,"-99","NA",,"SPK","97",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","83-32-
9","Acenaphthene","47","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","121-14-2","2,4-
Dinitrotoluene","48","ug/L",,"-99","NA",,"SPK","96",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","86-73-
7","Fluorene","46","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","7005-72-3","4-Chlorophenyl-
phenylether","43","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","84-66-
2","Diethylphthalate","45","ug/L",,"-99","NA",,"SPK","90",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","86-30-6","N-
Nitrosodiphenylamine","45","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","101-55-3","4-Bromophenyl-
phenylether","42","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","118-74-
1","Hexachlorobenzene","44","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","85-01-
8","Phenanthrene","43","ug/L",,"-99","NA",,"SPK","86",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","120-12-
7","Anthracene","45","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","84-74-2","Di-n-
butylphthalate","46","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","206-44-
0","Fluoranthene","45","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","129-00-
0","Pyrene","43","ug/L",,"-99","NA",,"SPK","86",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","85-68-
7","Butylbenzylphthalate","46","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","56-55-
3","Benzo(a)anthracene","44","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","218-01-
9","Chrysene","43","ug/L",,"-99","NA",,"SPK","86",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","91-94-1","3,3'-
Dichlorobenzidine","41","ug/L",,"-99","NA",,"SPK","81",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","45","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","117-84-0","Di-n-
octylphthalate","49","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","205-99-
2","Benzo(b)fluoranthene","46","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","207-08-
9","Benzo(k)fluoranthene","45","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","50-32-
8","Benzo(a)pyrene","46","ug/L",,"-99","NA",,"SPK","91",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","193-39-5","Indeno(1,2,3-

cd)pyrene","43","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","53-70-
3","Dibenz(a,h)anthracene","46","ug/L",,"-99","NA",,"SPK","92",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","191-24-
2","Benzo(g,h,i)perylene","44","ug/L",,"-99","NA",,"SPK","87",,"-99","NA","YES","50",,,,"0.2",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","95-48-7","2-
Methylphenol","43","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","39","ug/L",,"-99","NA",,"SPK","78",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","86-74-
8","Carbazole","46","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","50",,,,"1",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","1912-24-
9","Atrazine","42","ug/L",,"-99","NA",,"SPK","85",,"-99","NA","YES","50",,,,"4",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","105-60-
2","Caprolactam","10","ug/L","J","-99","NA",,"SPK","20",,"-99","NA","YES","50",,,,"15",
"LCS18081WAN026","8270D","RES","LCS18081WAN026","LL","100-52-
7","Benzaldehyde","35","ug/L",,"-99","NA",,"SPK","69",,"-99","NA","YES","50",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","92-52-4","1,1'-
Biphenyl","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","13127-88-3","Phenol-
d6","68","ug/L",,"10","NA",,"SURR","34",,"-99","NA","YES","200",,,,"20",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","367-12-4","2-
Fluorophenol","91","ug/L",,"10","NA",,"SURR","45",,"-99","NA","YES","200",,,,"20",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","118-79-6","2,4,6-
Tribromophenol","170","ug/L",,"10","NA",,"SURR","84",,"-99","NA","YES","200",,,,"20",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","4165-60-0","Nitrobenzene-
d5","77","ug/L",,"5","NA",,"SURR","77",,"-99","NA","YES","100",,,,"10",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","321-60-8","2-
Fluorobiphenyl","76","ug/L",,"5","NA",,"SURR","76",,"-99","NA","YES","100",,,,"10",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","1718-51-0","Terphenyl-
d14","84","ug/L",,"5","NA",,"SURR","84",,"-99","NA","YES","100",,,,"10",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","58-90-2","2,3,4,6-
Tetrachlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","98-86-
2","Acetophenone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","87-65-0","2,6-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","95-94-3","1,2,4,5-
Tetrachlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","106-44-5","4-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","106-47-8","4-
Chloroaniline","4","ug/L","U","2","DL",,"TRG",,,"4","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","132-64-
9","Dibenzofuran","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","91-57-6","2-
Methylnaphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","88-74-4","2-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","99-09-2","3-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","100-01-6","4-
Nitroaniline","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","95-95-4","2,4,5-

Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","95-57-8","2-
Chlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","108-95-
2","Phenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","88-75-5","2-
Nitrophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","105-67-9","2,4-
Dimethylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","120-83-2","2,4-
Dichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","59-50-7","4-Chloro-3-
methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","88-06-2","2,4,6-
Trichlorophenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","51-28-5","2,4-
Dinitrophenol","30","ug/L","U","10","DL",,"TRG",,,"30","LOQ","YES","-99",,,,"30",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","100-02-7","4-
Nitrophenol","30","ug/L","U","10","DL",,"TRG",,,"30","LOQ","YES","-99",,,,"30",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","534-52-1","4,6-Dinitro-2-
methylphenol","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","87-86-
5","Pentachlorophenol","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","111-44-4","bis(2-
Chloroethyl)ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","67-72-
1","Hexachloroethane","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","621-64-7","N-Nitroso-di-n-
propylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","98-95-
3","Nitrobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","78-59-
1","Isophorone","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","111-91-1","bis(2-
Chloroethoxy)methane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","91-20-
3","Naphthalene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","87-68-
3","Hexachlorobutadiene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","77-47-
4","Hexachlorocyclopentadiene","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","91-58-7","2-
Chloronaphthalene","1","ug/L","U","0.4","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","208-96-
8","Acenaphthylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","131-11-
3","Dimethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","606-20-2","2,6-
Dinitrotoluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","83-32-
9","Acenaphthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","121-14-2","2,4-
Dinitrotoluene","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","86-73-

7","Fluorene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","7005-72-3","4-Chlorophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","84-66-
2","Diethylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","86-30-6","N-
Nitrosodiphenylamine","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","101-55-3","4-Bromophenyl-
phenylether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","118-74-
1","Hexachlorobenzene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","85-01-
8","Phenanthrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","120-12-
7","Anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","84-74-2","Di-n-
butylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","206-44-
0","Fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","129-00-
0","Pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","85-68-
7","Butylbenzylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","56-55-
3","Benzo(a)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","218-01-
9","Chrysene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","91-94-1","3,3'-
Dichlorobenzidine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","117-81-7","bis(2-
Ethylhexyl)phthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","117-84-0","Di-n-
octylphthalate","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","205-99-
2","Benzo(b)fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","207-08-
9","Benzo(k)fluoranthene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","50-32-
8","Benzo(a)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","193-39-5","Indeno(1,2,3-
cd)pyrene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","53-70-
3","Dibenz(a,h)anthracene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","191-24-
2","Benzo(g,h,i)perylene","0.2","ug/L","U","0.1","DL",,"TRG",,,"0.5","LOQ","YES","-99",,,,"0.2",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","95-48-7","2-
Methylphenol","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","108-60-1","2,2'-oxybis(1-
Chloropropane)","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","86-74-
8","Carbazole","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","1912-24-
9","Atrazine","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","105-60-

2","Caprolactam","15","ug/L","U","5","DL",,"TRG",,,"15","LOQ","YES","-99",,,,"15",
"BLK18081WAN026","8270D","RES","BLK18081WAN026","LL","100-52-
7","Benzaldehyde","4","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"LCS180820005A","8081B","RES","LCS180820005A","LL","53494-70-5","Endrin
Ketone","0.1","ug/L",,"-99","NA",,"SPK","69",,"-99","NA","YES","0.2",,,,"0.008",
"LCS180820005A","8081B","RES","LCS180820005A","LL","877-09-8","Tetrachloro-m-xylene-
D1","0.2","ug/L",,"0.01","NA",,"SURR","57",,"-99","NA","YES","0.3",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","2051-24-3","Decachlorobiphenyl-
D1","0.1","ug/L",,"0.01","NA",,"SURR","42",,"-99","NA","YES","0.3",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.2","ug/L",,"0.01","NA",,"SURR","53",,"-99","NA","YES","0.3",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","2051-24-3","Decachlorobiphenyl-
D2","0.1","ug/L",,"0.01","NA",,"SURR","39",,"-99","NA","YES","0.3",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","5103-71-9","Alpha
Chlordane","0.06","ug/L",,"-99","NA",,"SPK","63",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","5103-74-2","Gamma
Chlordane","0.07","ug/L",,"-99","NA",,"SPK","68",,"-99","NA","YES","0.1",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","7421-93-4","Endrin
Aldehyde","0.1","ug/L",,"-99","NA",,"SPK","58",,"-99","NA","YES","0.2",,,,"0.03",
"LCS180820005A","8081B","RES","LCS180820005A","LL","319-84-6","Alpha
BHC","0.07","ug/L",,"-99","NA",,"SPK","67",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","319-85-7","Beta
BHC","0.06","ug/L",,"-99","NA",,"SPK","64",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","58-89-9","Gamma BHC -
Lindane","0.07","ug/L",,"-99","NA",,"SPK","68",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","319-86-8","Delta
BHC","0.06","ug/L",,"-99","NA",,"SPK","65",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","76-44-
8","Heptachlor","0.06","ug/L",,"-99","NA",,"SPK","66",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","309-00-
2","Aldrin","0.06","ug/L",,"-99","NA",,"SPK","55",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","1024-57-3","Heptachlor
Epoxide","0.07","ug/L",,"-99","NA",,"SPK","66",,"-99","NA","YES","0.1",,,,"0.006",
"LCS180820005A","8081B","RES","LCS180820005A","LL","72-55-9","p,p-
DDE","0.1","ug/L",,"-99","NA",,"SPK","66",,"-99","NA","YES","0.2",,,,"0.008",
"LCS180820005A","8081B","RES","LCS180820005A","LL","72-54-8","p,p-
DDD","0.2","ug/L",,"-99","NA",,"SPK","78",,"-99","NA","YES","0.2",,,,"0.008",
"LCS180820005A","8081B","RES","LCS180820005A","LL","50-29-3","p,p-
DDT","0.2","ug/L",,"-99","NA",,"SPK","77",,"-99","NA","YES","0.2",,,,"0.008",
"LCS180820005A","8081B","RES","LCS180820005A","LL","72-43-
5","Methoxychlor","0.8","ug/L",,"-99","NA",,"SPK","86",,"-99","NA","YES","1",,,,"0.06",
"LCS180820005A","8081B","RES","LCS180820005A","LL","60-57-
1","Dieldrin","0.1","ug/L",,"-99","NA",,"SPK","70",,"-99","NA","YES","0.2",,,,"0.008",
"LCS180820005A","8081B","RES","LCS180820005A","LL","72-20-
8","Endrin","0.1","ug/L",,"-99","NA",,"SPK","72",,"-99","NA","YES","0.2",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","959-98-8","Endosulfan
I","0.06","ug/L",,"-99","NA",,"SPK","63",,"-99","NA","YES","0.1",,,,"0.007",
"LCS180820005A","8081B","RES","LCS180820005A","LL","33213-65-9","Endosulfan
II","0.1","ug/L",,"-99","NA",,"SPK","64",,"-99","NA","YES","0.2",,,,"0.02",
"LCS180820005A","8081B","RES","LCS180820005A","LL","1031-07-8","Endosulfan
Sulfate","0.1","ug/L",,"-99","NA",,"SPK","66",,"-99","NA","YES","0.2",,,,"0.01",
"BLK180820005A","8081B","RES","BLK180820005A","LL","53494-70-5","Endrin
Ketone","0.008","ug/L","U","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"BLK180820005A","8081B","RES","BLK180820005A","LL","877-09-8","Tetrachloro-m-xylene-

D1","0.2","ug/L",,"0.01","NA",,"SURR","76",,"-99","NA","YES","0.3",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","2051-24-3","Decachlorobiphenyl-
D1","0.2","ug/L",,"0.01","NA",,"SURR","73",,"-99","NA","YES","0.3",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","877-09-8","Tetrachloro-m-xylene-
D2","0.2","ug/L",,"0.01","NA",,"SURR","67",,"-99","NA","YES","0.3",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","2051-24-3","Decachlorobiphenyl-
D2","0.2","ug/L",,"0.01","NA",,"SURR","71",,"-99","NA","YES","0.3",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","5103-71-9","Alpha
Chlordane","0.006","ug/L","U","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","5103-74-2","Gamma
Chlordane","0.02","ug/L","U","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","7421-93-4","Endrin
Aldehyde","0.03","ug/L","U","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.03",
"BLK180820005A","8081B","RES","BLK180820005A","LL","319-84-6","Alpha
BHC","0.006","ug/L","U","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","319-85-7","Beta
BHC","0.006","ug/L","U","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","58-89-9","Gamma BHC -
Lindane","0.006","ug/L","U","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","319-86-8","Delta
BHC","0.006","ug/L","U","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","76-44-
8","Heptachlor","0.006","ug/L","U","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","309-00-
2","Aldrin","0.006","ug/L","U","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","1024-57-3","Heptachlor
Epoxide","0.006","ug/L","U","0.002","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.006",
"BLK180820005A","8081B","RES","BLK180820005A","LL","72-55-9","p,p-
DDE","0.008","ug/L","U","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"BLK180820005A","8081B","RES","BLK180820005A","LL","72-54-8","p,p-
DDD","0.008","ug/L","U","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"BLK180820005A","8081B","RES","BLK180820005A","LL","50-29-3","p,p-
DDT","0.008","ug/L","U","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"BLK180820005A","8081B","RES","BLK180820005A","LL","72-43-
5","Methoxychlor","0.06","ug/L","U","0.02","DL",,"TRG",,,"0.08","LOQ","YES","-99",,,,"0.06",
"BLK180820005A","8081B","RES","BLK180820005A","LL","60-57-
1","Dieldrin","0.008","ug/L","U","0.004","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.008",
"BLK180820005A","8081B","RES","BLK180820005A","LL","72-20-
8","Endrin","0.02","ug/L","U","0.006","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","8001-35-
2","Toxaphene","0.5","ug/L","U","0.2","DL",,"TRG",,,"0.8","LOQ","YES","-99",,,,"0.5",
"BLK180820005A","8081B","RES","BLK180820005A","LL","959-98-8","Endosulfan
I","0.007","ug/L","U","0.003","DL",,"TRG",,,"0.008","LOQ","YES","-99",,,,"0.007",
"BLK180820005A","8081B","RES","BLK180820005A","LL","33213-65-9","Endosulfan
II","0.02","ug/L","U","0.01","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.02",
"BLK180820005A","8081B","RES","BLK180820005A","LL","1031-07-8","Endosulfan
Sulfate","0.01","ug/L","U","0.005","DL",,"TRG",,,"0.02","LOQ","YES","-99",,,,"0.01",
"BLK18082667602B","SM5310C","RES","BLK18082667602B","LL","TOC","Total Organic
Carbon","1.0","mg/L","U","0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"LCS18082667602B","SM5310C","RES","LCS18082667602B","LL","TOC","Total Organic
Carbon","25.1","mg/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","25.0",,,,"1.0",
"BLK18082667604B","SM5310C","RES","BLK18082667604B","LL","TOC","Total Organic
Carbon","1.0","mg/L","U","0.50","DL",,"TRG",,,"1.0","LOQ","YES","-99",,,,"1.0",
"LCS18082667604B","SM5310C","RES","LCS18082667604B","LL","TOC","Total Organic

Carbon","25.0","mg/L",,"-99","NA",,"SPK","100",,"-99","NA","YES","25.0",,,,"1.0",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","1634-04-4","Methyl Tertiary Butyl
Ether","20","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","1868-53-
7","Dibromofluoromethane","54","ug/L",,"0.3","NA",,"SURR","108",,"-99","NA","YES","50",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","17060-07-0","1,2-Dichloroethane-
d4","53","ug/L",,"0.3","NA",,"SURR","107",,"-99","NA","YES","50",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","2037-26-5","Toluene-
d8","53","ug/L",,"0.3","NA",,"SURR","106",,"-99","NA","YES","50",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","460-00-4","4-
Bromofluorobenzene","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","110-82-
7","Cyclohexane","18","ug/L",,"-99","NA",,"SPK","89",,"-99","NA","YES","20",,,,"4",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","79-20-9","Methyl
Acetate","25","ug/L",,"-99","NA",,"SPK","124",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","108-87-
2","Methylcyclohexane","18","ug/L",,"-99","NA",,"SPK","88",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-71-
8","Dichlorodifluoromethane","17","ug/L",,"-99","NA",,"SPK","83",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","74-87-
3","Chloromethane","19","ug/L",,"-99","NA",,"SPK","97",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-01-4","Vinyl
Chloride","19","ug/L",,"-99","NA",,"SPK","95",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","74-83-
9","Bromomethane","21","ug/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-00-
3","Chloroethane","19","ug/L",,"-99","NA",,"SPK","93",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-69-
4","Trichlorofluoromethane","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-35-4","1,1-
Dichloroethene","23","ug/L",,"-99","NA",,"SPK","116",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-09-2","Methylene
Chloride","22","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","156-60-5","trans-1,2-
Dichloroethene","23","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-34-3","1,1-
Dichloroethane","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","156-59-2","cis-1,2-
Dichloroethene","22","ug/L",,"-99","NA",,"SPK","112",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","67-66-
3","Chloroform","23","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","74-97-
5","Bromochloromethane","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","71-55-6","1,1,1-
Trichloroethane","21","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","56-23-5","Carbon
Tetrachloride","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","71-43-
2","Benzene","21","ug/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","107-06-2","1,2-
Dichloroethane","24","ug/L",,"-99","NA",,"SPK","121",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","79-01-
6","Trichloroethene","22","ug/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","78-87-5","1,2-

Dichloropropane","21","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-27-
4","Bromodichloromethane","22","ug/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","108-88-
3","Toluene","21","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","79-00-5","1,1,2-
Trichloroethane","23","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","127-18-
4","Tetrachloroethene","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","124-48-
1","Dibromochloromethane","23","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","106-93-4","1,2-
Dibromoethane","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","108-90-
7","Chlorobenzene","22","ug/L",,"-99","NA",,"SPK","109",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","100-41-
4","Ethylbenzene","21","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","179601-23-1","m+p-
Xylene","43","ug/L",,"-99","NA",,"SPK","107",,"-99","NA","YES","40",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","95-47-6","o-
Xylene","21","ug/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","100-42-
5","Styrene","21","ug/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-25-
2","Bromoform","20","ug/L",,"-99","NA",,"SPK","102",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","98-82-
8","Isopropylbenzene","21","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","79-34-5","1,1,2,2-
Tetrachloroethane","22","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","541-73-1","1,3-
Dichlorobenzene","21","ug/L",,"-99","NA",,"SPK","106",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","106-46-7","1,4-
Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","110",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","95-50-1","1,2-
Dichlorobenzene","22","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","96-12-8","1,2-Dibromo-3-
chloropropane","23","ug/L",,"-99","NA",,"SPK","116",,"-99","NA","YES","20",,,,"4",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","120-82-1","1,2,4-
Trichlorobenzene","19","ug/L",,"-99","NA",,"SPK","97",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","87-61-6","1,2,3-
Trichlorobenzene","21","ug/L",,"-99","NA",,"SPK","103",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","67-64-
1","Acetone","170","ug/L",,"-99","NA",,"SPK","113",,"-99","NA","YES","150",,,,"20",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","75-15-0","Carbon
Disulfide","20","ug/L",,"-99","NA",,"SPK","101",,"-99","NA","YES","20",,,,"2",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","78-93-3","2-
Butanone","160","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","150",,,,"8",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","10061-02-6","trans-1,3-
Dichloropropene","22","ug/L",,"-99","NA",,"SPK","108",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","10061-01-5","cis-1,3-
Dichloropropene","21","ug/L",,"-99","NA",,"SPK","104",,"-99","NA","YES","20",,,,"1",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","108-10-1","4-Methyl-2-
pentanone","110","ug/L",,"-99","NA",,"SPK","105",,"-99","NA","YES","100",,,,"8",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","591-78-6","2-

Hexanone","110","ug/L",,"-99","NA",,"SPK","111",,"-99","NA","YES","100",,,,"8",
"LCS5180831AA","8260C","RES","LCS5180831AA","LL","76-13-1","Freon
113","20","ug/L",,"-99","NA",,"SPK","99",,"-99","NA","YES","20",,,,"4",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","1634-04-4","Methyl Tertiary Butyl
Ether","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","1868-53-
7","Dibromofluoromethane","54","ug/L",,"0.3","NA",,"SURR","109",,"-99","NA","YES","50",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","17060-07-0","1,2-Dichloroethane-
d4","53","ug/L",,"0.3","NA",,"SURR","105",,"-99","NA","YES","50",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","2037-26-5","Toluene-
d8","52","ug/L",,"0.3","NA",,"SURR","104",,"-99","NA","YES","50",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","460-00-4","4-
Bromofluorobenzene","48","ug/L",,"0.3","NA",,"SURR","95",,"-99","NA","YES","50",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","110-82-
7","Cyclohexane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","79-20-9","Methyl
Acetate","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","108-87-
2","Methylcyclohexane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","75-71-
8","Dichlorodifluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","74-87-
3","Chloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","75-01-4","Vinyl
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","74-83-
9","Bromomethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","75-00-
3","Chloroethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","75-69-
4","Trichlorofluoromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","75-35-4","1,1-
Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
"BLK5180831AA","8260C","RES","BLK5180831AA","LL","75-09-2","Methylene
Chloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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Dichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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3","Chloroform","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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5","Bromochloromethane","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
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Tetrachloride","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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6","Trichloroethene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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Dichloropropane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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3","Toluene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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1","Dibromochloromethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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Dibromoethane","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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7","Chlorobenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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4","Ethylbenzene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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Xylene","1","ug/L","U","0.5","DL",,"TRG",,,"1","LOQ","YES","-99",,,,"1",
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8","Isopropylbenzene","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
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chloropropane","4","ug/L","U","2","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"4",
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Disulfide","2","ug/L","U","1","DL",,"TRG",,,"5","LOQ","YES","-99",,,,"2",
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Butanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
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Hexanone","8","ug/L","U","3","DL",,"TRG",,,"10","LOQ","YES","-99",,,,"8",
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TETRA TECH

INTERNAL CORRESPONDENCE

TO: **S. PARKER** **DATE:** **MAY 23, 2018**

FROM: **JOSEPH KALINYAK** **COPIES:** **DV FILE/REVISED**

SUBJECT: **DATA VALIDATION – – POLYFLUOROALKYL SUBSTANCES (PFAS)**
NAVAL STATION (NAVSTA) NEWPORT, WE15 TANK FARM 1
SAMPLE DELIVERY GROUP (SDG) ETT60 (PFAS only)

SAMPLES: 1 / Aqueous - PFAS

FRB-031618

5 / Aqueous – PFAS

GRAB-11BERM-031618	GRAB-12BERM-031618	TF1-DUP05-031618FD
TF1-GT-132-031618	TF1-GZ-111-031618	

Overview

The sample set for NAVSTA Newport, SDG ETT60 consisted of five (5) aqueous environmental samples and one (1) field reagent blank sample. The samples were analyzed for polyfluoroalkyl substances (PFAS) as listed above. One field duplicate sample pair was included in this SDG: TF1-GT-132-031618 / TF1-DUP05-031618FD.

The samples were collected by Tetra Tech, Inc. on March 16, 2018 and analyzed by Eurofins Lancaster Laboratories Environmental. The analyses were conducted in accordance with EPA Method 537.1 (modified) for PFAS, analytical and reporting protocols.

An EPA Stage Level 4 validation was performed. The data was evaluated with regard to the following parameters:

*	• Data completeness
	• Hold times/Sample Preservation
*	• Mass Calibration
*	• LC/MS/MS System Tuning and Performance
*	• Mass Spectral Acquisition Rate
*	• Instrument Sensitivity Check
*	• Ion Transition Check
*	• Initial/Continuing Calibrations
*	• Laboratory Method Blank Results
*	• Field Reagent Blank Results
	• Extraction Internal Standard Recoveries
*	• Injection Internal Standard Recoveries
*	• Laboratory Control Sample Recoveries
	• Matrix Spike/Matrix Spike Sample Duplicate Results
*	• Compound Identification
*	• Compound Quantitation

* • Detection Limits

The asterisk (*) indicates that all quality control criteria were met for this parameter. Qualified (if applicable) analytical results are summarized in Appendix A, results as reported by the laboratory are presented in Appendix B, and documentation supporting these findings is presented in Appendix C. The text of this report has been formulated to address only those areas affecting data quality.

EXTRACTION STANDARD RECOVERIES

The extraction (EXT) and injection (INJ) internal standard %Rs were less than the 50% QC limit for GRAB-11BERM-031618 and GRAB-12BERM-031618 as listed below. The laboratory took corrective action and re-extracted the affected samples. The samples were re-extracted beyond the sample to extraction hold time and re-analyzed with similar results. The original sample extractions and analyses were reported. Detected and non-detected PFAS results were qualified in the affected samples as listed below.

Sample	Extraction Standard	Analyte Affected	Qualified Result
GRAB-11BERM-031618	13C2-PFDoA	PFDoA, PFTriA	UJ, UJ
	13C2-PFTeA (<10%)	PFTeA	None
	13C6-PFDA	PFDA	UJ
	13C7-PFUnA	PFUnA	J
	13C8-PFOSA	PFOSA	UJ
GRAB-11BERM-031618RE	13C2-PFTeA	PFTeA	UJ
GRAB-12BERM-031618	13C8-PFOSA	PFOSA	UJ

The result for PFTeA was used from the re-extraction of sample GRAB-11BERM-031618RE because the recovery of the extraction standard improved to 23% from 3.6% in the original sample analysis. Only the nondetected result for PFTeA in the re-extracted sample was used for validation. All other results were used in the original analysis of sample GRAB-11BERM-031618. The affected re-extraction sample was re-extracted 21 days after collection which is outside the 14 day method holding time. Because of the chemical stability of PFAS analytes, the holding time exceedance does not compromise the result in the opinion of the data reviewer. Therefore, the result for PFTeA was qualified as estimated (UJ) because of the holding time exceedance and for the labeled extraction standard recovery being < 50%.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULTS (MS / MSD)

The MS percent recovery (%R) was greater than the QC limit for PFA analyte perfluoroheptanoic acid for spiked sample TF1-GT-132-031618. The result for perfluoroheptanoic acid result was qualified estimated and may be biased high (J+).

NOTES

Detected results reported below the Reporting Limit (RL) but above the Method Detection Limit (MDL) were qualified as estimated, (J). Non-detected results are reported to the Limit of Detection (LOD).

Sample GRAB-11BERM-031618 was diluted 10X for PFAs pentadecafluorooctanoic acid, perfluorohexanoic acid, and perfluorahexanesulfonic acid and 100X for PFA perfluorooctanesulfonic acid.

Eurofins Laboratory noted on their PFAS results summary forms that the laboratory was not accredited for QSM version 5.1 at the time of analysis but the laboratory was in the process of receiving accreditation. Samples for PFAS were analyzed between March 30 and April 9, 2018. Notification of QSM 5.1 accreditation

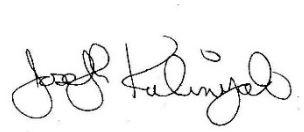
was received on April 20, 2018. No validation was taken.

EXECUTIVE SUMMARY

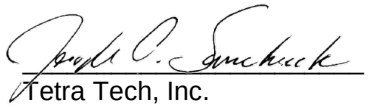
Laboratory Performance: Two samples were qualified for extraction internal standard %Rs which were below the 50% limit.

Other Factors Affecting Data Quality: Results below the RL but above the MDL were qualified estimated. PFHPA was qualified for a high MS %R.

The data for these analyses were reviewed with reference to the USEPA New England Environmental Data Review Supplement for Regional Data Review Elements and Superfund Specific Guidance/Procedures (April 2013) and the Department of Defense (DoD) document entitled, "Quality Systems Manual (QSM) for Environmental Laboratories" (Version 5.0 July 2013). The text of this report has been formulated to address only those areas affecting data quality.



Tetra Tech
Joseph Kalinyak
Data Validator/Environmental Scientist



Tetra Tech, Inc.
Joseph A. Samchuck
Data Validation Manager

Attachments:
Appendix A - Qualified Analytical Results
Appendix B - Results as reported by the Laboratory
Appendix C - Support Documentation

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = RPD between columns/detectors >40% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 standard deviations is greater than sample activity
Z1 = Tentatively Identified Compound considered presumptively present
Z2 = Tentatively Identified Compound column bleed
Z3 = Tentatively Identified Compound aldol condensate
Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 08005-WE15	NSAMPLE	FRB-031618			GRAB-11BERM-031618			GRAB-12BERM-031618			TF1-DUP05-031618FD		
SDG: ETT60	LAB_ID	9509990			9509988			9509989			9509986		
FRACTION: PFAS	SAMP_DATE	3/16/2018			3/16/2018			3/16/2018			3/16/2018		
MEDIA: WATER	QC_TYPE	AB			NM			NM			FD		
	UNITS	NG/L			NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF										TF1-GT-132-031618		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
PENTADECAFLUOROOCTANOIC ACID (PFOA)		0.96	U		210			28			13		
PERFLUOROBUTANESULFONIC ACID (PFBS)		0.96	U		250			7			1.5		
PERFLUOROBUTANOIC ACID (PFBA) (PFBA)		5.7	U		56			9.1			4.3	J	P
PERFLUORODECANESULFONIC ACID (PFDS)		2.9	U		2.9	U		2.9	U		2.9	U	
PERFLUORODECANOIC ACID (PFDA)		2.9	U		2.9	UJ	N	2.9	U		2.9	U	
PERFLUORODODECANOIC ACID (PFDOA)		0.96	U		0.95	UJ	N	0.97	U		0.97	U	
PERFLUOROHEPTANESULFONIC ACID		1.9	U		330			1.3	J	P	1.9	U	
PERFLUOROHEPTANOIC ACID (PFHPA)		0.96	U		64			11			9.9		
PERFLUOROHEXANESULFONIC ACID (PFHXS)		1.9	U		2200			86			21		
PERFLUOROHEXANOIC ACID (PFHXA)		2.9	U		620			30			11		
PERFLUORONONANOIC ACID (PFNA)		1.9	U		0.91	J	P	1.9	J	P	3		
PERFLUOROOCTANE SULFONAMIDE (FOSA)		2.9	U		2.9	UJ	N	2.9	UJ	N	2.9	U	
PERFLUOROOCTANESULFONIC ACID (PFOS)		1.9	U		4900			78			6.8		
PERFLUOROPENTANOIC ACID (PFPEA)		5.7	U		120			23			12		
PERFLUOROTETRADECANOIC ACID (PFTEA)		1.9	U		1.9	UJ	HN	1.9	U		1.9	U	
PERFLUOROTRIDECANOIC ACID (PFTRIA)		1.9	U		1.9	UJ	N	1.9	U		1.9	U	
PERFLUOROUNDECANOIC ACID (PFUNA)		1.9	U		0.6	J	NP	4.6			2.8		

PROJ_NO: 08005-WE15	NSAMPLE	TF1-GT-132-031618			TF1-GZ-111-031618		
SDG: ETT60	LAB_ID	9509982			9509987		
FRACTION: PFAS	SAMP_DATE	3/16/2018			3/16/2018		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
PENTADECAFLUOROOCTANOIC ACID (PFOA)		12			2.8		
PERFLUOROBUTANESULFONIC ACID (PFBS)		1.4			0.48	J	P
PERFLUOROBUTANOIC ACID (PFBA) (PFBA)		4.4	J	P	5.9	U	
PERFLUORODECANESULFONIC ACID (PFDS)		2.9	U		2.9	U	
PERFLUORODECANOIC ACID (PFDA)		2.9	U		2.9	U	
PERFLUORODODECANOIC ACID (PFDOA)		0.95	U		0.98	U	
PERFLUOROHEPTANESULFONIC ACID		1.9	U		2	U	
PERFLUOROHEPTANOIC ACID (PFHPA)		9.2	J+	D	1.4		
PERFLUOROHEXANESULFONIC ACID (PFHXS)		21			3.2		
PERFLUOROHEXANOIC ACID (PFHXA)		11			2	J	P
PERFLUORONONANOIC ACID (PFNA)		3.1			2	U	
PERFLUOROOCTANE SULFONAMIDE (FOSA)		2.9	U		2.9	U	
PERFLUOROOCTANESULFONIC ACID (PFOS)		6.4			2.1		
PERFLUOROPENTANOIC ACID (PFPEA)		12			5.9	U	
PERFLUOROTETRADECANOIC ACID (PFTEA)		1.9	U		2	U	
PERFLUOROTRIDECANOIC ACID (PFTRIA)		1.9	U		2	U	
PERFLUOROUNDECANOIC ACID (PFUNA)		2.7			0.59	J	P

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Sample Description: **TF1-GT-132-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 09:30
SDG#: ETT60-02BKG

Earth Toxics
ELLE Sample #: WW 9509982
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
10589	Beta BHC	319-85-7	< 0.006 D2	0.003	0.006	0.008	1
10589	Gamma BHC - Lindane	58-89-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Alpha Chlordane	5103-71-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Gamma Chlordane	5103-74-2	< 0.02 D1	0.006	0.02	0.02	1
10589	p,p-DDD	72-54-8	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDE	72-55-9	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDT	50-29-3	0.005 JPD2	0.004	0.008	0.02	1
10589	Delta BHC	319-86-8	< 0.006 D2	0.003	0.006	0.008	1
10589	Dieldrin	60-57-1	< 0.008 D1	0.004	0.008	0.02	1
10589	Endosulfan I	959-98-8	< 0.007 D1	0.003	0.007	0.008	1
10589	Endosulfan II	33213-65-9	< 0.02 D1	0.01	0.02	0.02	1
10589	Endosulfan Sulfate	1031-07-8	< 0.01 D1	0.005	0.01	0.02	1
10589	Endrin	72-20-8	< 0.02 D1	0.007	0.02	0.02	1
10589	Endrin Aldehyde	7421-93-4	< 0.03 D1	0.02	0.03	0.08	1
10589	Endrin Ketone	53494-70-5	< 0.008 D1	0.004	0.008	0.02	1
10589	Heptachlor	76-44-8	< 0.006 D1	0.002	0.006	0.008	1
10589	Heptachlor Epoxide	1024-57-3	< 0.006 D1	0.002	0.006	0.008	1
10589	Methoxychlor	72-43-5	< 0.06 D1	0.02	0.06	0.08	1
10589	Toxaphene	8001-35-2	< 0.5 D1	0.2	0.5	0.8	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
13693	Ethane	74-84-0	< 0.80	0.20	0.80	5.0	1
13693	Methane	74-82-8	50	3.0	6.0	6.0	1
GC Petroleum Hydrocarbons	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
02740	C8-C44	n.a.	0.063 J	0.047	0.095	0.19	1
02740	Total TPH	n.a.	0.063 J	0.047	0.095	0.19	1
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorobutanesulfonate	375-73-5	1.4	0.29	0.95	0.95	1
14434	Perfluorobutanoic acid	375-22-4	4.4 J	1.9	5.7	5.7	1
14434	Perfluorodecanesulfonate	335-77-3	< 2.9	0.95	2.9	2.9	1
14434	Perfluorodecanoic acid	335-76-2	< 2.9	0.95	2.9	2.9	1
14434	Perfluorododecanoic acid	307-55-1	< 0.95	0.29	0.95	0.95	1
14434	Perfluoroheptanesulfonate	375-92-8	< 1.9	0.38	1.9	1.9	1
14434	Perfluoroheptanoic acid	375-85-9	9.2	0.29	0.95	0.95	1
14434	Perfluorohexanesulfonate	355-46-4	21	0.38	1.9	1.9	1
14434	Perfluorohexanoic acid	307-24-4	11	0.95	2.9	2.9	1
14434	Perfluorononanoic acid	375-95-1	3.1	0.38	1.9	1.9	1
14434	Perfluorooctanesulfonamide	754-91-6	< 2.9	0.95	2.9	2.9	1

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-GT-132-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 09:30
SDG#: ETT60-02BKG

Earth Toxics
ELLE Sample #: WW 9509982
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluoro-octanesulfonate	1763-23-1	6.4	0.57	1.9	1.9	1
14434	Perfluorooctanoic acid	335-67-1	12	0.29	0.95	0.95	1
14434	Perfluoropentanoic acid	2706-90-3	12	1.9	5.7	5.7	1
14434	Perfluorotetradecanoic acid	376-06-7	< 1.9	0.57	1.9	1.9	1
14434	Perfluorotridecanoic acid	72629-94-8	< 1.9	0.57	1.9	1.9	1
14434	Perfluoroundecanoic acid	2058-94-8	2.7	0.38	1.9	1.9	1
	The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.						
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	< 0.0500	0.0215	0.0500	0.200	1
06024	Antimony	7440-36-0	< 0.0010	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	< 0.0020	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0050	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	< 0.00025	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	< 0.00050	0.00015	0.00050	0.0010	1
06029	Calcium	7440-70-2	6.41	0.0943	0.200	0.400	1
06031	Chromium	7440-47-3	< 0.0020	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0014	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.00057 J	0.00054	0.0010	0.0040	1
06034	Iron	7439-89-6	0.0402 J	0.0374	0.100	0.200	1
06035	Lead	7439-92-1	< 0.00025	0.00011	0.00025	0.0020	1
06036	Magnesium	7439-95-4	1.42	0.0106	0.0250	0.200	1
06037	Manganese	7439-96-5	0.0934	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	< 0.00050	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0046	0.0010	0.0020	0.0040	1
06040	Potassium	7440-09-7	1.05	0.0525	0.200	0.400	1
06041	Selenium	7782-49-2	< 0.0010	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	< 0.00025	0.00015	0.00025	0.0010	1
06043	Sodium	7440-23-5	4.70	0.0500	0.100	0.400	1
06045	Thallium	7440-28-0	< 0.00025	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	< 0.00050	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0050 J	0.0039	0.0075	0.0300	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.97 J	0.50	1.0	1.0	1
	SW-846 9056A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-GT-132-031618 Grab Groundwater**
112G08005-WE15

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 09:30
SDG#: ETT60-02BKG

Earth Toxics
ELLE Sample #: WW 9509982
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Wet Chemistry	**SW-846 9056A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
10697	Chloride	16887-00-6	8.7	1.0	2.0	2.0	5
10700	Nitrate Nitrogen	14797-55-8	< 0.50	0.25	0.50	0.50	5
10698	Sulfate	14808-79-8	12.1	1.5	5.0	5.0	5
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	12.7	1.7	5.0	5.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	< 2.00	2.00	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	5180831AA	03/24/2018 13:45	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	5180831AA	03/24/2018 13:45	Kevin D Kelly	1
10461	SVOAs by 8270D in Water	SW-846 8270D	1	18081WAN026	03/26/2018 22:15	Brandon K Cordova	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	18081WAM026	03/23/2018 21:06	William H Saadeh	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	18081WAM026	03/23/2018 08:00	Bradley W VanLeuven	1
11010	8270D BNA Extraction	SW-846 3510C	1	18081WAN026	03/23/2018 08:00	Bradley W VanLeuven	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	180780028A	03/21/2018 13:40	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	180820005A	04/10/2018 07:17	Heather E Williams	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	180780028A	03/20/2018 01:00	Sherry L Morrow	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	180820005A	03/23/2018 16:11	Christine E Gleim	1
13693	Dissolved Gases in Water (DOD)	RSKSOP-175 modified	1	180790024A	03/20/2018 11:53	Johanna C Kennedy	1
02740	Custom TPH with Ranges (Water)	SW-846 8015C Feb 2007 Rev 3	1	180810019A	03/23/2018 18:14	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	180810019A	03/23/2018 08:00	Bradley W VanLeuven	1
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/30/2018 23:56	Marissa C Drexinger	1
14465	PFAS Water Prep - DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/21/2018 07:35	Anthony C Polaski	1
06023	Aluminum	SW-846 6020A	1	180801063902A	03/29/2018 02:30	Sarah L Burt	1
06024	Antimony	SW-846 6020A	1	180801063902A	03/29/2018 02:30	Sarah L Burt	1
06025	Arsenic	SW-846 6020A	1	180801063902A	03/29/2018 02:30	Sarah L Burt	1
06026	Barium	SW-846 6020A	1	180801063902D	03/29/2018 02:30	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	180801063902A	03/29/2018 02:30	Sarah L Burt	1
06028	Cadmium	SW-846 6020A	1	180801063902A	03/29/2018 02:30	Sarah L Burt	1
06029	Calcium	SW-846 6020A	1	180801063902B	03/29/2018 02:30	Sarah L Burt	1
06031	Chromium	SW-846 6020A	1	180801063902A	03/29/2018 02:30	Sarah L Burt	1

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-DUP05-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018
SDG#: ETT60-03FD

Earth Toxics
ELLE Sample #: WW 9509986
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
10589	Beta BHC	319-85-7	< 0.006 D1	0.003	0.006	0.008	1
10589	Gamma BHC - Lindane	58-89-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Alpha Chlordane	5103-71-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Gamma Chlordane	5103-74-2	< 0.02 D1	0.006	0.02	0.02	1
10589	p,p-DDD	72-54-8	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDE	72-55-9	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDT	50-29-3	< 0.008 D2	0.004	0.008	0.02	1
10589	Delta BHC	319-86-8	< 0.006 D1	0.003	0.006	0.008	1
10589	Dieldrin	60-57-1	< 0.008 D2	0.004	0.008	0.02	1
10589	Endosulfan I	959-98-8	< 0.007 D1	0.003	0.007	0.008	1
10589	Endosulfan II	33213-65-9	< 0.02 D1	0.01	0.02	0.02	1
10589	Endosulfan Sulfate	1031-07-8	< 0.01 D1	0.005	0.01	0.02	1
10589	Endrin	72-20-8	< 0.02 D1	0.006	0.02	0.02	1
10589	Endrin Aldehyde	7421-93-4	< 0.03 D2	0.02	0.03	0.08	1
10589	Endrin Ketone	53494-70-5	< 0.008 D1	0.004	0.008	0.02	1
10589	Heptachlor	76-44-8	< 0.006 D2	0.002	0.006	0.008	1
10589	Heptachlor Epoxide	1024-57-3	< 0.006 D1	0.002	0.006	0.008	1
10589	Methoxychlor	72-43-5	< 0.06 D1	0.02	0.06	0.08	1
10589	Toxaphene	8001-35-2	< 0.5 D1	0.2	0.5	0.8	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
13693	Ethane	74-84-0	< 0.80	0.20	0.80	5.0	1
13693	Methane	74-82-8	39	3.0	6.0	6.0	1
GC Petroleum Hydrocarbons	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
02740	C8-C44	n.a.	< 0.095	0.047	0.095	0.19	1
02740	Total TPH	n.a.	< 0.095	0.047	0.095	0.19	1
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorobutanesulfonate	375-73-5	1.5	0.29	0.97	0.97	1
14434	Perfluorobutanoic acid	375-22-4	4.3 J	1.9	5.8	5.8	1
14434	Perfluorodecanesulfonate	335-77-3	< 2.9	0.97	2.9	2.9	1
14434	Perfluorodecanoic acid	335-76-2	< 2.9	0.97	2.9	2.9	1
14434	Perfluorododecanoic acid	307-55-1	< 0.97	0.29	0.97	0.97	1
14434	Perfluoroheptanesulfonate	375-92-8	< 1.9	0.39	1.9	1.9	1
14434	Perfluoroheptanoic acid	375-85-9	9.9	0.29	0.97	0.97	1
14434	Perfluorohexanesulfonate	355-46-4	21	0.39	1.9	1.9	1
14434	Perfluorohexanoic acid	307-24-4	11	0.97	2.9	2.9	1
14434	Perfluorononanoic acid	375-95-1	3.0	0.39	1.9	1.9	1
14434	Perfluorooctanesulfonamide	754-91-6	< 2.9	0.97	2.9	2.9	1

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-DUP05-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018
SDG#: ETT60-03FD

Earth Toxics
ELLE Sample #: WW 9509986
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluoro-octanesulfonate	1763-23-1	6.8	0.58	1.9	1.9	1
14434	Perfluorooctanoic acid	335-67-1	13	0.29	0.97	0.97	1
14434	Perfluoropentanoic acid	2706-90-3	12	1.9	5.8	5.8	1
14434	Perfluorotetradecanoic acid	376-06-7	< 1.9	0.58	1.9	1.9	1
14434	Perfluorotridecanoic acid	72629-94-8	< 1.9	0.58	1.9	1.9	1
14434	Perfluoroundecanoic acid	2058-94-8	2.8	0.39	1.9	1.9	1
The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.							
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	< 0.0500	0.0215	0.0500	0.200	1
06024	Antimony	7440-36-0	< 0.0010	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	< 0.0020	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0045	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	< 0.00025	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	< 0.00050	0.00015	0.00050	0.0010	1
06029	Calcium	7440-70-2	7.40	0.0943	0.200	0.400	1
06031	Chromium	7440-47-3	< 0.0020	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0017	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.00059 J	0.00054	0.0010	0.0040	1
06034	Iron	7439-89-6	0.0524 J	0.0374	0.100	0.200	1
06035	Lead	7439-92-1	< 0.00025	0.00011	0.00025	0.0020	1
06036	Magnesium	7439-95-4	1.55	0.0106	0.0250	0.200	1
06037	Manganese	7439-96-5	0.103	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	< 0.00050	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0053	0.0010	0.0020	0.0040	1
06040	Potassium	7440-09-7	1.14	0.0525	0.200	0.400	1
06041	Selenium	7782-49-2	< 0.0010	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	< 0.00025	0.00015	0.00025	0.0010	1
06043	Sodium	7440-23-5	5.00	0.0500	0.100	0.400	1
06045	Thallium	7440-28-0	< 0.00025	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	< 0.00050	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	< 0.0075	0.0039	0.0075	0.0300	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.86 J	0.50	1.0	1.0	1
	SW-846 9056A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-DUP05-031618 Grab Groundwater**
112G08005-WE15

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018
SDG#: ETT60-03FD

Earth Toxics
ELLE Sample #: WW 9509986
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Wet Chemistry	**SW-846 9056A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
10697	Chloride	16887-00-6	8.6	1.0	2.0	2.0	5
10700	Nitrate Nitrogen	14797-55-8	< 0.50	0.25	0.50	0.50	5
10698	Sulfate	14808-79-8	12.0	1.5	5.0	5.0	5
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	12.3	1.7	5.0	5.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	< 2.00	2.00	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	5180831AA	03/24/2018 16:36	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	5180831AA	03/24/2018 16:36	Kevin D Kelly	1
10461	SVOAs by 8270D in Water	SW-846 8270D	1	18081WAN026	03/26/2018 23:30	Brandon K Cordova	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	18081WAM026	03/23/2018 19:02	William H Saadeh	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	18081WAM026	03/23/2018 08:00	Bradley W VanLeuven	1
11010	8270D BNA Extraction	SW-846 3510C	1	18081WAN026	03/23/2018 08:00	Bradley W VanLeuven	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	180780028A	03/21/2018 14:14	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	180820005A	04/10/2018 08:05	Heather E Williams	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	180780028A	03/20/2018 01:00	Sherry L Morrow	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	180820005A	03/23/2018 16:11	Christine E Gleim	1
13693	Dissolved Gases in Water (DOD)	RSKSOP-175 modified	1	180780022A	03/19/2018 18:36	Johanna C Kennedy	1
02740	Custom TPH with Ranges (Water)	SW-846 8015C Feb 2007 Rev 3	1	180810019A	03/23/2018 19:18	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	180810019A	03/23/2018 08:00	Bradley W VanLeuven	1
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/31/2018 00:17	Marissa C Drexinger	1
14465	PFAS Water Prep - DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/21/2018 07:35	Anthony C Polaski	1
06023	Aluminum	SW-846 6020A	1	180801063902A	03/29/2018 02:49	Sarah L Burt	1
06024	Antimony	SW-846 6020A	1	180801063902A	03/29/2018 02:49	Sarah L Burt	1
06025	Arsenic	SW-846 6020A	1	180801063902A	03/29/2018 02:49	Sarah L Burt	1
06026	Barium	SW-846 6020A	1	180801063902D	03/29/2018 02:49	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	180801063902A	03/29/2018 02:49	Sarah L Burt	1
06028	Cadmium	SW-846 6020A	1	180801063902A	03/29/2018 02:49	Sarah L Burt	1
06029	Calcium	SW-846 6020A	1	180801063902B	03/29/2018 02:49	Sarah L Burt	1
06031	Chromium	SW-846 6020A	1	180801063902A	03/29/2018 02:49	Sarah L Burt	1

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-GZ-111-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 10:25
SDG#: ETT60-04

Earth Toxics
ELLE Sample #: WW 9509987
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
10589	Beta BHC	319-85-7	< 0.006 D1	0.003	0.006	0.008	1
10589	Gamma BHC - Lindane	58-89-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Alpha Chlordane	5103-71-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Gamma Chlordane	5103-74-2	< 0.02 D1	0.006	0.02	0.02	1
10589	p,p-DDD	72-54-8	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDE	72-55-9	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDT	50-29-3	< 0.008 D2	0.004	0.008	0.02	1
10589	Delta BHC	319-86-8	< 0.006 D2	0.003	0.006	0.008	1
10589	Dieldrin	60-57-1	< 0.008 D1	0.004	0.008	0.02	1
10589	Endosulfan I	959-98-8	< 0.007 D1	0.004	0.007	0.008	1
10589	Endosulfan II	33213-65-9	< 0.02 D1	0.01	0.02	0.02	1
10589	Endosulfan Sulfate	1031-07-8	< 0.01 D1	0.005	0.01	0.02	1
10589	Endrin	72-20-8	< 0.02 D1	0.007	0.02	0.02	1
10589	Endrin Aldehyde	7421-93-4	< 0.03 D1	0.02	0.03	0.08	1
10589	Endrin Ketone	53494-70-5	< 0.008 D1	0.004	0.008	0.02	1
10589	Heptachlor	76-44-8	< 0.006 D2	0.002	0.006	0.008	1
10589	Heptachlor Epoxide	1024-57-3	< 0.006 D1	0.002	0.006	0.008	1
10589	Methoxychlor	72-43-5	< 0.06 D1	0.02	0.06	0.08	1
10589	Toxaphene	8001-35-2	< 0.5 D1	0.2	0.5	0.8	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
13693	Ethane	74-84-0	< 0.80	0.20	0.80	5.0	1
13693	Methane	74-82-8	< 6.0	3.0	6.0	6.0	1
GC Petroleum Hydrocarbons	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
02740	C8-C44	n.a.	< 0.098	0.049	0.098	0.20	1
02740	Total TPH	n.a.	< 0.098	0.049	0.098	0.20	1
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorobutanesulfonate	375-73-5	0.48 J	0.29	0.98	0.98	1
14434	Perfluorobutanoic acid	375-22-4	< 5.9	2.0	5.9	5.9	1
14434	Perfluorodecanesulfonate	335-77-3	< 2.9	0.98	2.9	2.9	1
14434	Perfluorodecanoic acid	335-76-2	< 2.9	0.98	2.9	2.9	1
14434	Perfluorododecanoic acid	307-55-1	< 0.98	0.29	0.98	0.98	1
14434	Perfluoroheptanesulfonate	375-92-8	< 2.0	0.39	2.0	2.0	1
14434	Perfluoroheptanoic acid	375-85-9	1.4	0.29	0.98	0.98	1
14434	Perfluorohexanesulfonate	355-46-4	3.2	0.39	2.0	2.0	1
14434	Perfluorohexanoic acid	307-24-4	2.0 J	0.98	2.9	2.9	1
14434	Perfluorononanoic acid	375-95-1	< 2.0	0.39	2.0	2.0	1
14434	Perfluorooctanesulfonamide	754-91-6	< 2.9	0.98	2.9	2.9	1

*=This limit was used in the evaluation of the final result

Sample Description: **TF1-GZ-111-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 10:25
SDG#: ETT60-04

Earth Toxics
ELLE Sample #: WW 9509987
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluoro-octanesulfonate	1763-23-1	2.1	0.59	2.0	2.0	1
14434	Perfluorooctanoic acid	335-67-1	2.8	0.29	0.98	0.98	1
14434	Perfluoropentanoic acid	2706-90-3	< 5.9	2.0	5.9	5.9	1
14434	Perfluorotetradecanoic acid	376-06-7	< 2.0	0.59	2.0	2.0	1
14434	Perfluorotridecanoic acid	72629-94-8	< 2.0	0.59	2.0	2.0	1
14434	Perfluoroundecanoic acid	2058-94-8	0.59 J	0.39	2.0	2.0	1
	The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.						
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	0.0294 J	0.0215	0.0500	0.200	1
06024	Antimony	7440-36-0	< 0.0010	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0025 J	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0068	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	< 0.00025	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	< 0.00050	0.00015	0.00050	0.0010	1
06029	Calcium	7440-70-2	4.40	0.0943	0.200	0.400	1
06031	Chromium	7440-47-3	< 0.0020	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0057	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0015 J	0.00054	0.0010	0.0040	1
06034	Iron	7439-89-6	0.376	0.0374	0.100	0.200	1
06035	Lead	7439-92-1	< 0.00025	0.00011	0.00025	0.0020	1
06036	Magnesium	7439-95-4	0.877	0.0106	0.0250	0.200	1
06037	Manganese	7439-96-5	0.0671	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	< 0.00050	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0037 J	0.0010	0.0020	0.0040	1
06040	Potassium	7440-09-7	1.15	0.0525	0.200	0.400	1
06041	Selenium	7782-49-2	< 0.0010	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	< 0.00025	0.00015	0.00025	0.0010	1
06043	Sodium	7440-23-5	3.08	0.0500	0.100	0.400	1
06045	Thallium	7440-28-0	< 0.00025	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	< 0.00050	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0082 J	0.0039	0.0075	0.0300	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	0.86 J	0.50	1.0	1.0	1
	SW-846 9056A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: **TF1-GZ-111-031618 Grab Groundwater**
112G08005-WE15

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 10:25
SDG#: ETT60-04

Earth Toxics
ELLE Sample #: WW 9509987
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Wet Chemistry	**SW-846 9056A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
10697	Chloride	16887-00-6	4.8	1.0	2.0	2.0	5
10700	Nitrate Nitrogen	14797-55-8	< 0.50	0.25	0.50	0.50	5
10698	Sulfate	14808-79-8	11.7	1.5	5.0	5.0	5
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	6.0	1.7	5.0	5.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	< 2.00	2.00	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	5180831AA	03/24/2018 16:57	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	5180831AA	03/24/2018 16:57	Kevin D Kelly	1
10461	SVOAs by 8270D in Water	SW-846 8270D	1	18081WAN026	03/26/2018 23:56	Brandon K Cordova	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	18081WAM026	03/23/2018 19:33	William H Saadeh	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	18081WAM026	03/23/2018 08:00	Bradley W VanLeuven	1
11010	8270D BNA Extraction	SW-846 3510C	1	18081WAN026	03/23/2018 08:00	Bradley W VanLeuven	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	180780028A	03/21/2018 14:25	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	180820005A	04/10/2018 08:20	Heather E Williams	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	180780028A	03/20/2018 01:00	Sherry L Morrow	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	180820005A	03/23/2018 16:11	Christine E Gleim	1
13693	Dissolved Gases in Water (DOD)	RSKSOP-175 modified	1	180780022A	03/19/2018 18:56	Johanna C Kennedy	1
02740	Custom TPH with Ranges (Water)	SW-846 8015C Feb 2007 Rev 3	1	180810019A	03/23/2018 19:40	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	180810019A	03/23/2018 08:00	Bradley W VanLeuven	1
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/31/2018 00:37	Marissa C Drexinger	1
14465	PFAS Water Prep - DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/21/2018 07:35	Anthony C Polaski	1
06023	Aluminum	SW-846 6020A	1	180801063902A	03/29/2018 02:52	Sarah L Burt	1
06024	Antimony	SW-846 6020A	1	180801063902A	03/29/2018 02:52	Sarah L Burt	1
06025	Arsenic	SW-846 6020A	1	180801063902A	03/29/2018 02:52	Sarah L Burt	1
06026	Barium	SW-846 6020A	1	180801063902D	03/29/2018 02:52	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	180801063902A	03/29/2018 02:52	Sarah L Burt	1
06028	Cadmium	SW-846 6020A	1	180801063902A	03/29/2018 02:52	Sarah L Burt	1
06029	Calcium	SW-846 6020A	1	180801063902B	03/29/2018 02:52	Sarah L Burt	1
06031	Chromium	SW-846 6020A	1	180801063902A	03/29/2018 02:52	Sarah L Burt	1

*=This limit was used in the evaluation of the final result

Sample Description: **GRAB-11BERM-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 09:00
SDG#: ETT60-05

Earth Toxics
ELLE Sample #: WW 9509988
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
10589	Beta BHC	319-85-7	< 0.006 D2	0.003	0.006	0.008	1
10589	Gamma BHC - Lindane	58-89-9	< 0.006 D2	0.002	0.006	0.008	1
10589	Alpha Chlordane	5103-71-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Gamma Chlordane	5103-74-2	< 0.02 D1	0.006	0.02	0.02	1
10589	p,p-DDD	72-54-8	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDE	72-55-9	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDT	50-29-3	< 0.008 D1	0.004	0.008	0.02	1
10589	Delta BHC	319-86-8	< 0.006 D2	0.003	0.006	0.008	1
10589	Dieldrin	60-57-1	< 0.008 D2	0.004	0.008	0.02	1
10589	Endosulfan I	959-98-8	< 0.007 D1	0.004	0.007	0.008	1
10589	Endosulfan II	33213-65-9	< 0.02 D1	0.01	0.02	0.02	1
10589	Endosulfan Sulfate	1031-07-8	< 0.01 D1	0.005	0.01	0.02	1
10589	Endrin	72-20-8	< 0.02 D1	0.007	0.02	0.02	1
10589	Endrin Aldehyde	7421-93-4	< 0.03 D1	0.02	0.03	0.08	1
10589	Endrin Ketone	53494-70-5	< 0.008 D1	0.004	0.008	0.02	1
10589	Heptachlor	76-44-8	< 0.006 D1	0.002	0.006	0.008	1
10589	Heptachlor Epoxide	1024-57-3	< 0.006 D1	0.002	0.006	0.008	1
10589	Methoxychlor	72-43-5	< 0.06 D1	0.02	0.06	0.08	1
10589	Toxaphene	8001-35-2	< 0.5 D1	0.2	0.5	0.8	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
13693	Ethane	74-84-0	< 0.80	0.20	0.80	5.0	1
13693	Methane	74-82-8	< 6.0	3.0	6.0	6.0	1
GC Petroleum Hydrocarbons	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
02740	C8-C44	n.a.	0.061 J	0.048	0.096	0.19	1
02740	Total TPH	n.a.	0.061 J	0.048	0.096	0.19	1
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorobutanesulfonate	375-73-5	250	0.29	0.95	0.95	1
14434	Perfluorobutanoic acid	375-22-4	56	1.9	5.7	5.7	1
14434	Perfluorodecanesulfonate	335-77-3	< 2.9	0.95	2.9	2.9	1
14434	Perfluorodecanoic acid	335-76-2	< 2.9	0.95	2.9	2.9	1
14434	Perfluorododecanoic acid	307-55-1	< 0.95	0.29	0.95	0.95	1
14434	Perfluoroheptanesulfonate	375-92-8	330	0.38	1.9	1.9	1
14434	Perfluoroheptanoic acid	375-85-9	64	0.29	0.95	0.95	1
14434	Perfluorohexanesulfonate	355-46-4	2,200	3.8	19	19	10
14434	Perfluorohexanoic acid	307-24-4	620	9.5	29	29	10
14434	Perfluorononanoic acid	375-95-1	0.91 J	0.38	1.9	1.9	1
14434	Perfluorooctanesulfonamide	754-91-6	< 2.9	0.95	2.9	2.9	1

*=This limit was used in the evaluation of the final result

Sample Description: **GRAB-11BERM-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 09:00
SDG#: ETT60-05

Earth Toxics
ELLE Sample #: WW 9509988
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluoro-octanesulfonate	1763-23-1	4,900	57	190	190	100
14434	Perfluorooctanoic acid	335-67-1	210	2.9	9.5	9.5	10
14434	Perfluoropentanoic acid	2706-90-3	120	1.9	5.7	5.7	1
14434	Perfluorotetradecanoic acid	376-06-7	< 1.9	0.57	1.9	1.9	1
14434	Perfluorotridecanoic acid	72629-94-8	< 1.9	0.57	1.9	1.9	1
14434	Perfluoroundecanoic acid	2058-94-8	0.60 J	0.38	1.9	1.9	1

The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.

The recovery for the sample labeled compound(s) used as extraction standards is outside the QC acceptance limits as noted on the QC Summary.
The following corrective action was taken: The sample was reextracted outside the holding time and comparable results were observed.
The data is reported from the in-hold extraction. Both sets of data are included in the data package.

Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	0.0357 J	0.0215	0.0500	0.200	1
06024	Antimony	7440-36-0	< 0.0010	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	< 0.0020	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0078	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	< 0.00025	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	< 0.00050	0.00015	0.00050	0.0010	1
06029	Calcium	7440-70-2	8.90	0.0943	0.200	0.400	1
06031	Chromium	7440-47-3	< 0.0020	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.00039 J	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0016 J	0.00054	0.0010	0.0040	1
06034	Iron	7439-89-6	0.0795 J	0.0374	0.100	0.200	1
06035	Lead	7439-92-1	0.0014 J	0.00011	0.00025	0.0020	1
06036	Magnesium	7439-95-4	1.55	0.0106	0.0250	0.200	1
06037	Manganese	7439-96-5	0.0448	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	< 0.00050	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0035 J	0.0010	0.0020	0.0040	1
06040	Potassium	7440-09-7	1.30	0.0525	0.200	0.400	1
06041	Selenium	7782-49-2	< 0.0010	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	< 0.00025	0.00015	0.00025	0.0010	1
06043	Sodium	7440-23-5	4.45	0.0500	0.100	0.400	1
06045	Thallium	7440-28-0	< 0.00025	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00027 J	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0325	0.0039	0.0075	0.0300	1
	SW-846 7470A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	

*=This limit was used in the evaluation of the final result

Sample Description: **GRAB-11BERM-031618 Grab Groundwater**
112G08005-WE15

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 09:00
SDG#: ETT60-05

Earth Toxics
ELLE Sample #: WW 9509988
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Metals		**SW-846 7470A**	**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1
Wet Chemistry		**SM 5310 C-2011**	**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	1.4	0.50	1.0	1.0	1
		SW-846 9056A	**mg/l**	**mg/l**	**mg/l**	**mg/l**	
10697	Chloride	16887-00-6	7.1	1.0	2.0	2.0	5
10700	Nitrate Nitrogen	14797-55-8	< 0.50	0.25	0.50	0.50	5
10698	Sulfate	14808-79-8	11.8	1.5	5.0	5.0	5
		SM 2320 B-2011	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	16.5	1.7	5.0	5.0	1
		SM 5210 B-2011	**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	< 2.00	2.00	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	5180831AA	03/24/2018 17:19	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	5180831AA	03/24/2018 17:19	Kevin D Kelly	1
10461	SVOAs by 8270D in Water	SW-846 8270D	1	18081WAN026	03/27/2018 00:21	Brandon K Cordova	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	18081WAM026	03/23/2018 20:04	William H Saadeh	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	18081WAM026	03/23/2018 08:00	Bradley W VanLeuven	1
11010	8270D BNA Extraction	SW-846 3510C	1	18081WAN026	03/23/2018 08:00	Bradley W VanLeuven	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	180780028A	03/21/2018 14:37	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	180820005A	04/10/2018 08:36	Heather E Williams	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	180780028A	03/20/2018 01:00	Sherry L Morrow	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	180820005A	03/23/2018 16:11	Christine E Gleim	1
13693	Dissolved Gases in Water (DOD)	RSKSOP-175 modified	1	180780022A	03/19/2018 19:15	Johanna C Kennedy	1
02740	Custom TPH with Ranges (Water)	SW-846 8015C Feb 2007 Rev 3	1	180810019A	03/23/2018 20:01	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	180810019A	03/23/2018 08:00	Bradley W VanLeuven	1
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/31/2018 00:58	Marissa C Drexinger	1
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	04/02/2018 12:05	Marissa C Drexinger	100

*=This limit was used in the evaluation of the final result

Sample Description: **GRAB-12BERM-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 10:00
SDG#: ETT60-06

Earth Toxics
ELLE Sample #: WW 9509989
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Pesticides	**SW-846 8081B**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
10589	Beta BHC	319-85-7	< 0.006 D2	0.003	0.006	0.008	1
10589	Gamma BHC - Lindane	58-89-9	< 0.006 D1	0.002	0.006	0.008	1
10589	Alpha Chlordane	5103-71-9	< 0.006 D2	0.002	0.006	0.008	1
10589	Gamma Chlordane	5103-74-2	< 0.02 D1	0.006	0.02	0.02	1
10589	p,p-DDD	72-54-8	< 0.008 D1	0.004	0.008	0.02	1
10589	p,p-DDE	72-55-9	< 0.008 D2	0.004	0.008	0.02	1
10589	p,p-DDT	50-29-3	< 0.008 D1	0.004	0.008	0.02	1
10589	Delta BHC	319-86-8	< 0.006 D2	0.003	0.006	0.008	1
10589	Dieldrin	60-57-1	< 0.008 D2	0.004	0.008	0.02	1
10589	Endosulfan I	959-98-8	< 0.007 D1	0.004	0.007	0.008	1
10589	Endosulfan II	33213-65-9	< 0.02 D1	0.01	0.02	0.02	1
10589	Endosulfan Sulfate	1031-07-8	< 0.01 D1	0.005	0.01	0.02	1
10589	Endrin	72-20-8	< 0.02 D1	0.007	0.02	0.02	1
10589	Endrin Aldehyde	7421-93-4	< 0.03 D1	0.02	0.03	0.08	1
10589	Endrin Ketone	53494-70-5	< 0.008 D1	0.004	0.008	0.02	1
10589	Heptachlor	76-44-8	< 0.006 D1	0.002	0.006	0.008	1
10589	Heptachlor Epoxide	1024-57-3	< 0.006 D1	0.002	0.006	0.008	1
10589	Methoxychlor	72-43-5	< 0.06 D1	0.02	0.06	0.08	1
10589	Toxaphene	8001-35-2	< 0.5 D1	0.2	0.5	0.8	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.						
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	**ug/l**	
13693	Ethane	74-84-0	< 0.80	0.20	0.80	5.0	1
13693	Methane	74-82-8	< 6.0	3.0	6.0	6.0	1
GC Petroleum Hydrocarbons	**SW-846 8015C Feb 2007 Rev 3**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
02740	C8-C44	n.a.	< 0.096	0.048	0.096	0.19	1
02740	Total TPH	n.a.	< 0.096	0.048	0.096	0.19	1
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorobutanesulfonate	375-73-5	7.0	0.29	0.97	0.97	1
14434	Perfluorobutanoic acid	375-22-4	9.1	1.9	5.8	5.8	1
14434	Perfluorodecanesulfonate	335-77-3	< 2.9	0.97	2.9	2.9	1
14434	Perfluorodecanoic acid	335-76-2	< 2.9	0.97	2.9	2.9	1
14434	Perfluorododecanoic acid	307-55-1	< 0.97	0.29	0.97	0.97	1
14434	Perfluoroheptanesulfonate	375-92-8	1.3 J	0.39	1.9	1.9	1
14434	Perfluoroheptanoic acid	375-85-9	11	0.29	0.97	0.97	1
14434	Perfluorohexanesulfonate	355-46-4	86	0.39	1.9	1.9	1

*=This limit was used in the evaluation of the final result

Sample Description: **GRAB-12BERM-031618 Grab Groundwater 112G08005-WE15**

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 10:00
SDG#: ETT60-06

Earth Toxics
ELLE Sample #: WW 9509989
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorohexanoic acid	307-24-4	30	0.97	2.9	2.9	1
14434	Perfluorononanoic acid	375-95-1	1.9 J	0.39	1.9	1.9	1
14434	Perfluorooctanesulfonamide	754-91-6	< 2.9	0.97	2.9	2.9	1
14434	Perfluoro-octanesulfonate	1763-23-1	78	0.58	1.9	1.9	1
14434	Perfluorooctanoic acid	335-67-1	28	0.29	0.97	0.97	1
14434	Perfluoropentanoic acid	2706-90-3	23	1.9	5.8	5.8	1
14434	Perfluorotetradecanoic acid	376-06-7	< 1.9	0.58	1.9	1.9	1
14434	Perfluorotridecanoic acid	72629-94-8	< 1.9	0.58	1.9	1.9	1
14434	Perfluoroundecanoic acid	2058-94-8	4.6	0.39	1.9	1.9	1

The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.

The recovery for the sample labeled compound(s) used as extraction standards is outside the QC acceptance limits as noted on the QC Summary.
The following corrective action was taken: The sample was reextracted outside the holding time and comparable results were observed.
The data is reported from the in-hold extraction. Both sets of data are included in the data package.

Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
06023	Aluminum	7429-90-5	< 0.0500	0.0215	0.0500	0.200	1
06024	Antimony	7440-36-0	< 0.0010	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	< 0.0020	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0068	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	< 0.00025	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	< 0.00050	0.00015	0.00050	0.0010	1
06029	Calcium	7440-70-2	9.41	0.0943	0.200	0.400	1
06031	Chromium	7440-47-3	< 0.0020	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	< 0.00050	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0013 J	0.00054	0.0010	0.0040	1
06034	Iron	7439-89-6	0.118 J	0.0374	0.100	0.200	1
06035	Lead	7439-92-1	0.00071 J	0.00011	0.00025	0.0020	1
06036	Magnesium	7439-95-4	1.45	0.0106	0.0250	0.200	1
06037	Manganese	7439-96-5	0.0049	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	< 0.00050	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	< 0.0020	0.0010	0.0020	0.0040	1
06040	Potassium	7440-09-7	1.65	0.0525	0.200	0.400	1
06041	Selenium	7782-49-2	< 0.0010	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	< 0.00025	0.00015	0.00025	0.0010	1
06043	Sodium	7440-23-5	7.22	0.0500	0.100	0.400	1
06045	Thallium	7440-28-0	< 0.00025	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	< 0.00050	0.00021	0.00050	0.0010	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: **GRAB-12BERM-031618 Grab Groundwater**
112G08005-WE15

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 10:00
SDG#: ETT60-06

Earth Toxics
ELLE Sample #: WW 9509989
ELLE Group #: 1920767
Matrix: Groundwater

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Metals	**SW-846 6020A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
06049	Zinc	7440-66-6	0.0211 J	0.0039	0.0075	0.0300	1
Metals	**SW-846 7470A**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00259	Mercury	7439-97-6	< 0.00010	0.000050	0.00010	0.00020	1
Wet Chemistry	**SM 5310 C-2011**		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
00273	Total Organic Carbon	n.a.	2.6	0.50	1.0	1.0	1
	SW-846 9056A		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
10697	Chloride	16887-00-6	11.9	1.0	2.0	2.0	5
10700	Nitrate Nitrogen	14797-55-8	< 0.50	0.25	0.50	0.50	5
10698	Sulfate	14808-79-8	5.5	1.5	5.0	5.0	5
	SM 2320 B-2011		**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	**mg/l as CaCO3**	
12150	Total Alkalinity to pH 4.5	n.a.	27.1	1.7	5.0	5.0	1
	SM 5210 B-2011		**mg/l**	**mg/l**	**mg/l**	**mg/l**	
14108	Biochemical Oxygen Demand-BOD	n.a.	< 2.00	2.00	2.00	2.00	1

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	5180831AA	03/24/2018 17:40	Kevin D Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	5180831AA	03/24/2018 17:40	Kevin D Kelly	1
10461	SVOAs by 8270D in Water	SW-846 8270D	1	18081WAN026	03/27/2018 00:46	Brandon K Cordova	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	18081WAM026	03/23/2018 20:35	William H Saadeh	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	18081WAM026	03/23/2018 08:00	Bradley W VanLeuven	1
11010	8270D BNA Extraction	SW-846 3510C	1	18081WAN026	03/23/2018 08:00	Bradley W VanLeuven	1
10591	PCBs in Water by 8082A	SW-846 8082A	1	180780028A	03/21/2018 14:48	Kirby B Turner	1
10589	OC Pesticides in Water	SW-846 8081B	1	180820005A	04/10/2018 08:52	Heather E Williams	1
11121	PCB Waters Update IV Ext	SW-846 3510C	1	180780028A	03/20/2018 01:00	Sherry L Morrow	1
11120	Pesticide Waters Update IV Ext	SW-846 3510C	1	180820005A	03/23/2018 16:11	Christine E Gleim	1
13693	Dissolved Gases in Water (DOD)	RSKSOP-175 modified	1	180780022A	03/19/2018 19:35	Johanna C Kennedy	1
02740	Custom TPH with Ranges (Water)	SW-846 8015C Feb 2007 Rev 3	1	180810019A	03/23/2018 20:23	Heather E Williams	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	180810019A	03/23/2018 08:00	Bradley W VanLeuven	1
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/31/2018 01:18	Marissa C Drexinger	1

*=This limit was used in the evaluation of the final result

Sample Description: **FRB-031618 Grab Water**
112G08005-WE15

Project Name: **WE15 Tank Farm 1**

Submittal Date/Time: 03/17/2018 10:00
Collection Date/Time: 03/16/2018 08:00
SDG#: ETT60-07FB

Earth Toxics
ELLE Sample #: WW 9509990
ELLE Group #: 1920767
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics	**EPA 537 mod QSM 5.1 table B-15**		**ng/l**	**ng/l**	**ng/l**	**ng/l**	
14434	Perfluorobutanesulfonate	375-73-5	< 0.96	0.29	0.96	0.96	1
14434	Perfluorobutanoic acid	375-22-4	< 5.7	1.9	5.7	5.7	1
14434	Perfluorodecanesulfonate	335-77-3	< 2.9	0.96	2.9	2.9	1
14434	Perfluorodecanoic acid	335-76-2	< 2.9	0.96	2.9	2.9	1
14434	Perfluorododecanoic acid	307-55-1	< 0.96	0.29	0.96	0.96	1
14434	Perfluoroheptanesulfonate	375-92-8	< 1.9	0.38	1.9	1.9	1
14434	Perfluoroheptanoic acid	375-85-9	< 0.96	0.29	0.96	0.96	1
14434	Perfluorohexanesulfonate	355-46-4	< 1.9	0.38	1.9	1.9	1
14434	Perfluorohexanoic acid	307-24-4	< 2.9	0.96	2.9	2.9	1
14434	Perfluorononanoic acid	375-95-1	< 1.9	0.38	1.9	1.9	1
14434	Perfluorooctanesulfonamide	754-91-6	< 2.9	0.96	2.9	2.9	1
14434	Perfluoro-octanesulfonate	1763-23-1	< 1.9	0.57	1.9	1.9	1
14434	Perfluorooctanoic acid	335-67-1	< 0.96	0.29	0.96	0.96	1
14434	Perfluoropentanoic acid	2706-90-3	< 5.7	1.9	5.7	5.7	1
14434	Perfluorotetradecanoic acid	376-06-7	< 1.9	0.57	1.9	1.9	1
14434	Perfluorotridecanoic acid	72629-94-8	< 1.9	0.57	1.9	1.9	1
14434	Perfluoroundecanoic acid	2058-94-8	< 1.9	0.38	1.9	1.9	1

The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14434	PFAS in Water by LC/MS/MS-DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/31/2018 01:39	Marissa C Drexinger	1
14465	PFAS Water Prep - DoD	EPA 537 mod QSM 5.1 table B-15	1	18080005	03/21/2018 07:35	Anthony C Polaski	1

*=This limit was used in the evaluation of the final result

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509982BKG			**Data File:**		18MAR30-25.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 TF1-GT-132-031618 Grab Groundwater			**Acquis Date:**		2018-03-30T23:56:37
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	17			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.26224			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	844882.3	1351416.2	-37.5	50.0	
I13C2-PFOA	5.0	1682374.9	1853772.3	-9.2	50.0	
I13C4-PFOS	4.8	455928.3	515296.6	-11.5	50.0	
I13C2-PFDA	5.0	1232809.7	1452662.3	-15.1	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	838035.6	13C3-PFBA	844882.3	0.992	1.083	19.067	17.469	91.6	50.0-150.0	
E13C5-PFPeA	902704.5	13C3-PFBA	844882.3	1.068	0.864	19.067	23.570	123.6	50.0-150.0	
E13C3-PFBS	480327.4	13C3-PFBA	844882.3	0.569	0.451	17.732	22.352	126.1	50.0-150.0	
E13C5-PFHxA	1556022.7	13C2-PFOA	1682374.9	0.925	1.000	19.067	17.627	92.5	50.0-150.0	
E13C3-PFHxS	463366.5	13C2-PFOA	1682374.9	0.275	0.307	18.037	16.159	89.6	50.0-150.0	
E13C4-PFHpA	1673653.9	13C2-PFOA	1682374.9	0.995	1.008	19.067	18.816	98.7	50.0-150.0	
E13C8-PFOA	1904647.0	13C2-PFOA	1682374.9	1.132	1.270	19.067	16.998	89.2	50.0-150.0	
E13C8-PFOS	391602.2	13C4-PFOS	455928.3	0.859	0.979	18.228	15.987	87.7	50.0-150.0	
E13C9-PFNA	1268646.5	13C4-PFOS	455928.3	2.783	3.324	19.067	15.961	83.7	50.0-150.0	
E13C8-PFOSA	681910.7	13C2-PFDA	1232809.7	0.553	0.737	19.067	14.315	75.1	50.0-150.0	
E13C6-PFDA	1580493.3	13C2-PFDA	1232809.7	1.282	1.363	19.067	17.933	94.1	50.0-150.0	
E13C7-PFUnDA	753974.6	13C2-PFDA	1232809.7	0.612	0.715	19.067	16.298	85.5	50.0-150.0	
E13C2-PFDoDA	1056662.6	13C2-PFDA	1232809.7	0.857	1.007	19.067	16.222	85.1	50.0-150.0	
E13C2-PFTeDA	960930.9	13C2-PFDA	1232809.7	0.779	1.171	19.067	12.695	66.6	50.0-150.0	

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 9:20 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

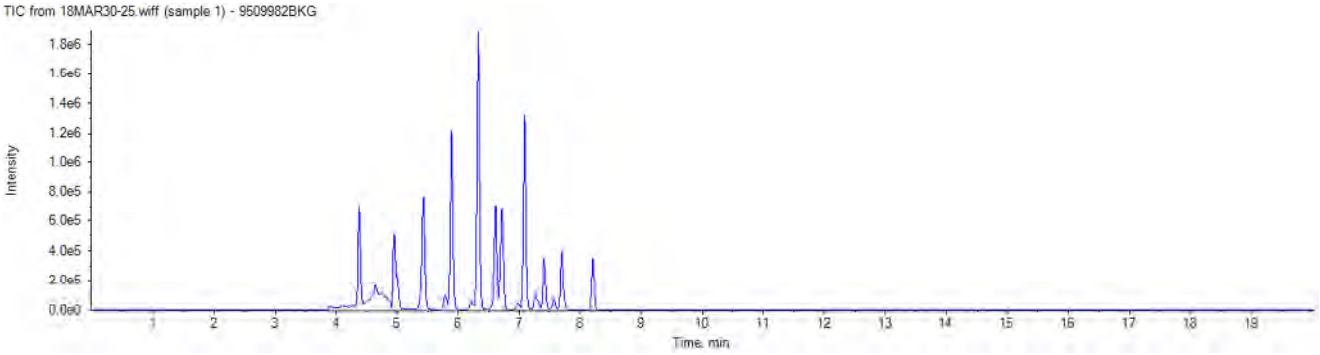
Analyte Quantitation Peak Table

Sample Name: 9509982BKG **Instrument Name:** LM24743 **File Name:** 18MAR30-25.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26224	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	161039.1	M	13C4-PFBA	4.38	838035.6	0.192	4.382
PFPeA	4.95	1.000	546024.0	M	13C5-PFPeA	4.95	902704.5	0.605	11.896
PFBS	5.00	1.000	37695.1	A	13C3-PFBS	5.01	480327.4	0.078	1.437
PFHxA	5.43	1.000	794442.2	M	13C5-PFHxA	5.43	1556022.7	0.511	10.823
PFHxS	5.89	1.000	534667.3	M	13C3-PFHxS	5.89	463366.5	1.154	21.478
PFHpA	5.89	1.000	832620.4	M	13C4-PFHpA	5.89	1673653.9	0.497	9.220
PFHpS	6.31	1.070	4973.9	M	13C3-PFHxS	5.89	463366.5	0.011	0.220
PFOA	6.33	1.000	1157979.6	M	13C8-PFOA	6.33	1904647.0	0.608	12.364
PFOS	6.61	0.990	136005.7	M	13C8-PFOS	6.70	391602.2	0.347	6.355
PFNA	6.73	1.000	240554.4	M	13C9-PFNA	6.72	1268646.5	0.190	3.089
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.10	681910.7	N/A	
PFDA	7.09	1.000	16890.8	M	13C6-PFDA	7.09	1580493.3	0.011	0.227
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	391602.2	N/A	
PFUnDA	7.31	0.990	151599.3	M	13C7-PFUnDA	7.41	753974.6	0.201	2.747
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	1056662.6	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	1056662.6	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.21	960930.9	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 9:20 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509986			**Data File:**		18MAR30-26.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 TF1-DUP05-031618 Grab Groundwater			**Acquis Date:**		2018-03-31T00:17:10
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	18			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.25783			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	851180.8	1351416.2	-37.0	50.0	
I13C2-PFOA	5.0	1701184.9	1853772.3	-8.2	50.0	
I13C4-PFOS	4.8	460338.5	515296.6	-10.7	50.0	
I13C2-PFDA	5.0	1301222.4	1452662.3	-10.4	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	889093.1	13C3-PFBA	851180.8	1.045	1.083	19.393	18.711	96.5	50.0-150.0	
E13C5-PFPeA	947474.2	13C3-PFBA	851180.8	1.113	0.864	19.393	24.976	128.8	50.0-150.0	
E13C3-PFBS	496909.9	13C3-PFBA	851180.8	0.584	0.451	18.035	23.345	129.4	50.0-150.0	
E13C5-PFHxA	1670374.1	13C2-PFOA	1701184.9	0.982	1.000	19.393	19.033	98.1	50.0-150.0	
E13C3-PFHxS	520921.9	13C2-PFOA	1701184.9	0.306	0.307	18.345	18.272	99.6	50.0-150.0	
E13C4-PFHpA	1725466.3	13C2-PFOA	1701184.9	1.014	1.008	19.393	19.512	100.6	50.0-150.0	
E13C8-PFOA	1994195.8	13C2-PFOA	1701184.9	1.172	1.270	19.393	17.901	92.3	50.0-150.0	
E13C8-PFOS	392129.0	13C4-PFOS	460338.5	0.852	0.979	18.539	16.126	87.0	50.0-150.0	
E13C9-PFNA	1413590.0	13C4-PFOS	460338.5	3.071	3.324	19.393	17.915	92.4	50.0-150.0	
E13C8-PFOSA	722106.2	13C2-PFDA	1301222.4	0.555	0.737	19.393	14.608	75.3	50.0-150.0	
E13C6-PFDA	1673144.3	13C2-PFDA	1301222.4	1.286	1.363	19.393	18.293	94.3	50.0-150.0	
E13C7-PFUnDA	786779.8	13C2-PFDA	1301222.4	0.605	0.715	19.393	16.389	84.5	50.0-150.0	
E13C2-PFDoDA	1118072.6	13C2-PFDA	1301222.4	0.859	1.007	19.393	16.541	85.3	50.0-150.0	
E13C2-PFTeDA	907424.7	13C2-PFDA	1301222.4	0.697	1.171	19.393	11.552	59.6	50.0-150.0	

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 10:59 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

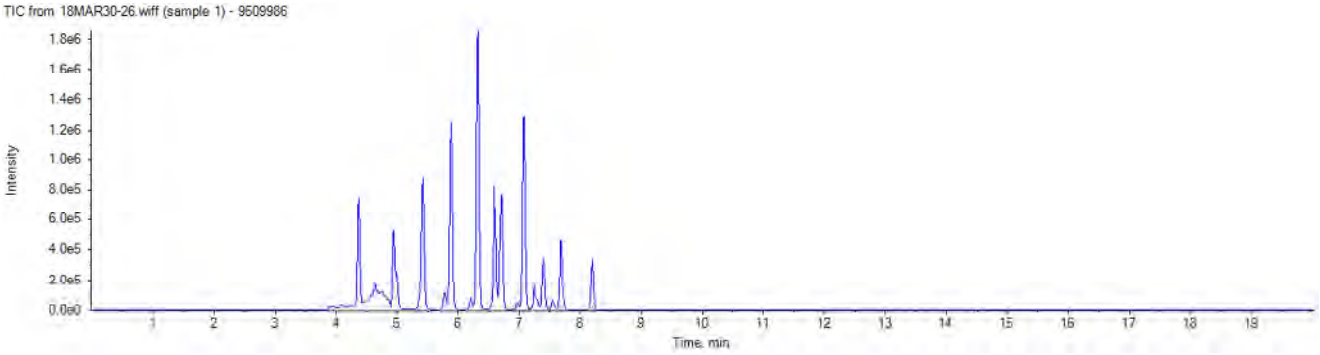
Analyte Quantitation Peak Table

Sample Name: 9509986 **Instrument Name:** LM24743 **File Name:** 18MAR30-26.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.25783	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	164978.8	M	13C4-PFBA	4.37	889093.1	0.186	4.303
PFPeA	4.94	1.000	573368.5	M	13C5-PFPeA	4.94	947474.2	0.605	12.105
PFBS	5.00	1.000	41120.8	A	13C3-PFBS	5.00	496909.9	0.083	1.541
PFHxA	5.42	1.000	883783.3	M	13C5-PFHxA	5.42	1670374.1	0.529	11.408
PFHxS	5.88	1.000	582252.7	M	13C3-PFHxS	5.88	520921.9	1.118	21.161
PFHpA	5.88	1.000	905897.9	M	13C4-PFHpA	5.88	1725466.3	0.525	9.896
PFHpS	6.30	1.070	4594.3	M	13C3-PFHxS	5.88	520921.9	0.009	0.184
PFOA	6.32	1.000	1265231.3	M	13C8-PFOA	6.32	1994195.8	0.634	13.123
PFOS	6.59	0.990	142325.1	M	13C8-PFOS	6.69	392129.0	0.363	6.755
PFNA	6.71	1.000	256183.9	M	13C9-PFNA	6.71	1413590.0	0.181	3.003
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.08	722106.2	N/A	
PFDA	7.07	1.000	16383.6	M	13C6-PFDA	7.07	1673144.3	0.010	0.212
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.69	392129.0	N/A	
PFUnDA	7.30	0.990	155728.0	M	13C7-PFUnDA	7.39	786779.8	0.198	2.750
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1118072.6	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1118072.6	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.20	907424.7	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 10:59 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509987			**Data File:**		18MAR30-27.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 TF1-GZ-111-031618 Grab Groundwater			**Acquis Date:**		2018-03-31T00:37:43
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	19			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.25617			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	795469.2	1351416.2	-41.1	50.0	
I13C2-PFOA	5.0	1766790.7	1853772.3	-4.7	50.0	
I13C4-PFOS	4.8	451822.6	515296.6	-12.3	50.0	
I13C2-PFDA	5.0	1308327.2	1452662.3	-9.9	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	815997.0	13C3-PFBA	795469.2	1.026	1.083	19.518	18.494	94.8	50.0-150.0	
E13C5-PFPeA	929467.6	13C3-PFBA	795469.2	1.168	0.864	19.518	26.387	135.2	50.0-150.0	
E13C3-PFBS	491055.7	13C3-PFBA	795469.2	0.617	0.451	18.152	24.846	136.9	50.0-150.0	
E13C5-PFHxA	1621100.4	13C2-PFOA	1766790.7	0.918	1.000	19.518	17.901	91.7	50.0-150.0	
E13C3-PFHxS	494341.6	13C2-PFOA	1766790.7	0.280	0.307	18.464	16.804	91.0	50.0-150.0	
E13C4-PFHpA	1693161.4	13C2-PFOA	1766790.7	0.958	1.008	19.518	18.556	95.1	50.0-150.0	
E13C8-PFOA	2027423.2	13C2-PFOA	1766790.7	1.148	1.270	19.518	17.637	90.4	50.0-150.0	
E13C8-PFOS	398088.5	13C4-PFOS	451822.6	0.881	0.979	18.659	16.788	90.0	50.0-150.0	
E13C9-PFNA	1364958.4	13C4-PFOS	451822.6	3.021	3.324	19.518	17.739	90.9	50.0-150.0	
E13C8-PFOSA	701021.1	13C2-PFDA	1308327.2	0.536	0.737	19.518	14.196	72.7	50.0-150.0	
E13C6-PFDA	1602531.0	13C2-PFDA	1308327.2	1.225	1.363	19.518	17.539	89.9	50.0-150.0	
E13C7-PFUnDA	797888.1	13C2-PFDA	1308327.2	0.610	0.715	19.518	16.637	85.2	50.0-150.0	
E13C2-PFDoDA	1021437.0	13C2-PFDA	1308327.2	0.781	1.007	19.518	15.126	77.5	50.0-150.0	
E13C2-PFTeDA	837918.2	13C2-PFDA	1308327.2	0.640	1.171	19.518	10.678	54.7	50.0-150.0	

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 10:59 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

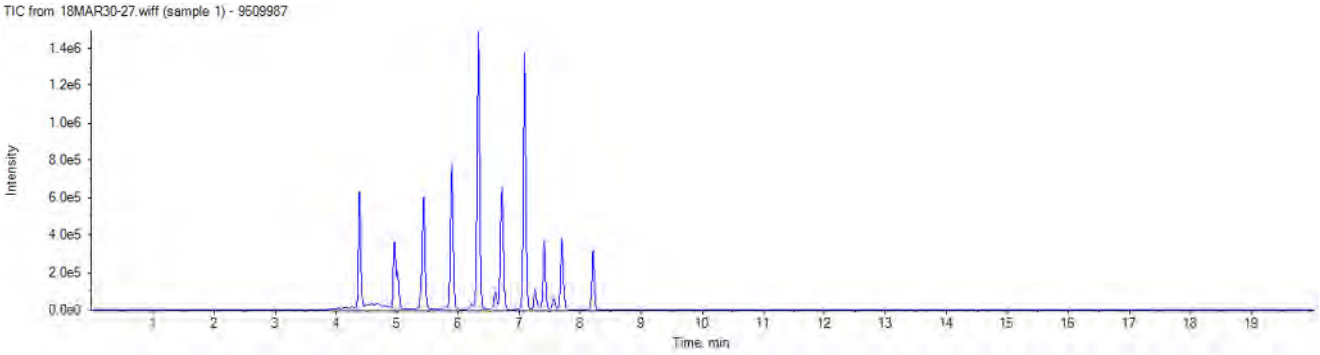
Analyte Quantitation Peak Table

Sample Name: 9509987 **Instrument Name:** LM24743 **File Name:** 18MAR30-27.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.25617	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.38	1.000	61761.2	M	13C4-PFBA	4.38	815997.0	0.076	1.767
PFPeA	4.95	1.000	71611.0	M	13C5-PFPeA	4.95	929467.6	0.077	1.551
PFBS	5.01	1.000	12699.6	M	13C3-PFBS	5.01	491055.7	0.026	0.485
PFHxA	5.43	1.000	149990.2	M	13C5-PFHxA	5.43	1621100.4	0.093	2.008
PFHxS	5.89	1.000	82430.5	M	13C3-PFHxS	5.89	494341.6	0.167	3.177
PFHpA	5.90	1.000	124639.9	M	13C4-PFHpA	5.89	1693161.4	0.074	1.397
PFHpS	N/A	N/A	N/A	A	13C3-PFHxS	5.89	494341.6	N/A	
PFOA	6.33	1.000	272790.5	M	13C8-PFOA	6.33	2027423.2	0.135	2.801
PFOS	6.65	0.990	44095.3	M	13C8-PFOS	6.70	398088.5	0.111	2.075
PFNA	6.73	1.000	19685.3	M	13C9-PFNA	6.72	1364958.4	0.014	0.241
PFOSA	7.10	1.000	13136.3	A	13C8-PFOSA	7.10	701021.1	0.019	0.377
PFDA	N/A	N/A	N/A	A	13C6-PFDA	7.08	1602531.0	N/A	
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	398088.5	N/A	
PFUnDA	7.31	0.990	33948.8	M	13C7-PFUnDA	7.41	797888.1	0.043	0.595
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	1021437.0	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	1021437.0	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.21	837918.2	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 10:59 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509988			**Data File:**		18MAR30-28.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 GRAB-11BERM-031618 Grab Groundwater			**Acquis Date:**		2018-03-31T00:58:16
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	20			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.26267			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	861885.0	1351416.2	-36.2	50.0	
I13C2-PFOA	5.0	1552873.3	1853772.3	-16.2	50.0	
I13C4-PFOS	4.8	259295.8	515296.6	-49.7	50.0	
I13C2-PFDA	5.0	1223525.9	1452662.3	-15.8	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	880367.6	13C3-PFBA	861885.0	1.021	1.083	19.035	17.960	94.4	50.0-150.0	
E13C5-PFPeA	879221.7	13C3-PFBA	861885.0	1.020	0.864	19.035	22.467	118.0	50.0-150.0	
E13C3-PFBS	450780.3	13C3-PFBA	861885.0	0.523	0.451	17.703	20.530	116.0	50.0-150.0	
E13C5-PFHxA	1265586.2	13C2-PFOA	1552873.3	0.815	1.000	19.035	15.507	81.5	50.0-150.0	
E13C3-PFHxS	273676.6	13C2-PFOA	1552873.3	0.176	0.307	18.007	10.323	57.3	50.0-150.0	
E13C4-PFHpA	994608.4	13C2-PFOA	1552873.3	0.640	1.008	19.035	12.095	63.5	50.0-150.0	
E13C8-PFOA	1502287.1	13C2-PFOA	1552873.3	0.967	1.270	19.035	14.501	76.2	50.0-150.0	
E13C8-PFOS	140041.3	13C4-PFOS	259295.8	0.540	0.979	18.198	10.036	55.2	50.0-150.0	
E13C9-PFNA	776966.7	13C4-PFOS	259295.8	2.996	3.324	19.035	17.160	90.1	50.0-150.0	
E13C8-PFOSA	164820.7	13C2-PFDA	1223525.9	0.135	0.737	19.035	3.481	18.3	50.0-150.0	OOS
E13C6-PFDA	825511.8	13C2-PFDA	1223525.9	0.675	1.363	19.035	9.422	49.5	50.0-150.0	OOS
E13C7-PFUnDA	199980.1	13C2-PFDA	1223525.9	0.163	0.715	19.035	4.349	22.8	50.0-150.0	OOS
E13C2-PFDoDA	150380.4	13C2-PFDA	1223525.9	0.123	1.007	19.035	2.322	12.2	50.0-150.0	OOS
E13C2-PFTeDA	52036.1	13C2-PFDA	1223525.9	0.043	1.171	19.035	0.692	3.6	50.0-150.0	OOS

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 3:26 pm, 4/11/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

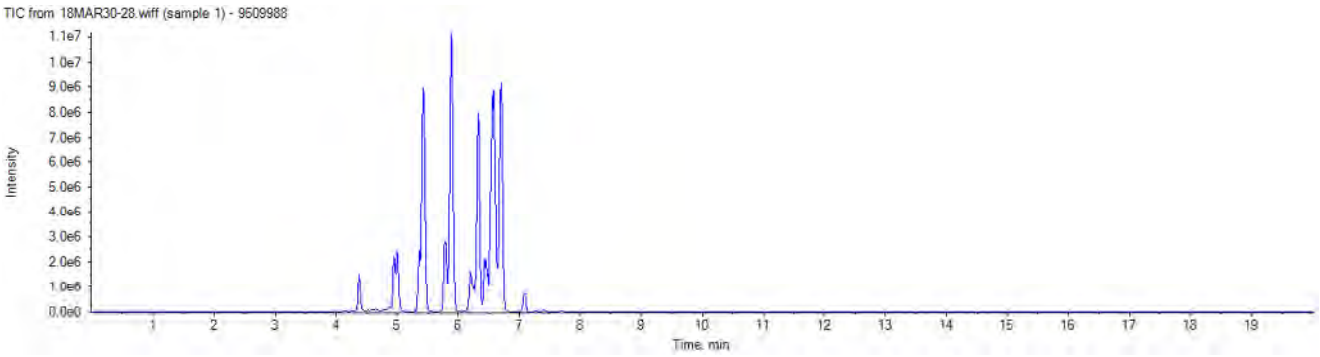
Analyte Quantitation Peak Table

Sample Name: 9509988 **Instrument Name:** LM24743 **File Name:** 18MAR30-28.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26267	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	2172508.1	A	13C4-PFBA	4.37	880367.6	2.468	56.177
PFPeA	4.95	1.000	5253435.8	M	13C5-PFPeA	4.95	879221.7	5.975	117.319
PFBS	5.00	1.000	6049847.7	A	13C3-PFBS	5.00	450780.3	13.421	245.283
PFHxA	5.43	1.000	29382198.3	M	13C5-PFHxA	5.43	1265586.2	23.216	491.360
PFHxS	5.89	1.000	33087777.9	M	13C3-PFHxS	5.89	273676.6	120.901	2246.746
PFHpA	5.90	1.000	3442035.8	M	13C4-PFHpA	5.90	994608.4	3.461	64.031
PFHpS	6.31	1.070	4345960.9	M	13C3-PFHxS	5.89	273676.6	15.880	325.089
PFOA	6.33	1.000	15705998.8	M	13C8-PFOA	6.33	1502287.1	10.455	212.263
PFOS	6.60	0.990	70113956.4	M	13C8-PFOS	6.70	140041.3	500.666	9145.997
PFNA	6.73	1.000	43599.7	M	13C9-PFNA	6.73	776966.7	0.056	0.913
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.10	164820.7	N/A	
PFDA	7.08	1.000	12939.8	M	13C6-PFDA	7.09	825511.8	0.016	0.333
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	140041.3	N/A	
PFUnDA	7.31	0.990	8770.5	M	13C7-PFUnDA	7.41	199980.1	0.044	0.598
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	150380.4	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	150380.4	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.21	52036.1	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 3:26 pm, 4/11/18

ICAL Name: 18APR03DCAL **Result Table:** 18080005 4/4/2018 12:40:47 PM
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18APR03-Divert.dam

Sample Name:	9509988DL			**Data File:**		18APR03-23.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 GRAB-11BERM-031618 Grab Groundwater			**Acquis Date:**		2018-04-04T03:01:56
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	13			**Acquis Method:**		PFC-32-18APR03-Divert.dam
Injection Vol:	3.00			**Result Table:**		18080005
QMethod File:	SF-PFCMOD-17AUG01			**ICAL Name:**		18APR03DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.26267			**Dilution Factor:**		10.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	1343386.9	1069641.9	25.6	50.0	
I13C2-PFOA	5.0	2307040.6	1927063.1	19.7	50.0	
I13C4-PFOS	4.8	549556.0	472837.8	16.2	50.0	
I13C2-PFDA	5.0	1785428.4	1521482.1	17.3	50.0	

Extraction Standard Peak Table

APPROVED
By MSM at 12:47 pm, 4/4/18

REVIEWED
By umar at 11:18 am, 4/9/18

ICAL Name: 18APR03DCAL **Result Table:** 18080005 4/4/2018 12:40:47 PM
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18APR03-Divert.dam

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	1041088.3	13C3-PFBA	1343386.9	0.775	1.066	190.353	138.426	72.7	50.0-150.0	
E13C5-PFPeA	898812.9	13C3-PFBA	1343386.9	0.669	0.887	190.353	143.613	75.4	50.0-150.0	
E13C3-PFBS	502063.7	13C3-PFBA	1343386.9	0.374	0.547	177.028	121.048	68.4	50.0-150.0	
E13C5-PFHxA	1619098.2	13C2-PFOA	2307040.6	0.702	0.951	190.353	140.498	73.8	50.0-150.0	
E13C3-PFHxS	460188.0	13C2-PFOA	2307040.6	0.199	0.281	180.074	127.913	71.0	50.0-150.0	
E13C4-PFHpA	1556734.6	13C2-PFOA	2307040.6	0.675	0.969	190.353	132.603	69.7	50.0-150.0	
E13C8-PFOA	2089553.1	13C2-PFOA	2307040.6	0.906	1.210	190.353	142.465	74.8	50.0-150.0	
E13C8-PFOS	388559.2	13C4-PFOS	549556.0	0.707	1.008	181.977	127.688	70.2	50.0-150.0	
E13C9-PFNA	1426285.1	13C4-PFOS	549556.0	2.595	3.607	190.353	136.957	71.9	50.0-150.0	
E13C8-PFOSA	867389.0	13C2-PFDA	1785428.4	0.486	0.678	190.353	136.420	71.7	50.0-150.0	
E13C6-PFDA	1796103.3	13C2-PFDA	1785428.4	1.006	1.374	190.353	139.339	73.2	50.0-150.0	
Ed5-NEtPFOSA	103932.6	13C2-PFDA	1785428.4	0.058	0.095	190.353	117.022	61.5	50.0-150.0	
E13C7-PFUnDA	924333.4	13C2-PFDA	1785428.4	0.518	0.695	190.353	141.737	74.5	50.0-150.0	
Ed5-NEtFOSAA	372918.1	13C2-PFDA	1785428.4	0.209	0.248	190.353	160.374	84.3	50.0-150.0	
E13C2-PFDoDA	1321266.7	13C2-PFDA	1785428.4	0.740	1.015	190.353	138.806	72.9	50.0-150.0	
E13C2-PFTeDA	1549783.9	13C2-PFDA	1785428.4	0.868	1.152	190.353	143.459	75.4	50.0-150.0	

APPROVED
By MSM at 12:47 pm, 4/4/18

REVIEWED
By umar at 11:18 am, 4/9/18

ICAL Name: 18APR03DCAL **Result Table:** 18080005 4/4/2018 12:40:47 PM
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18APR03-Divert.dam

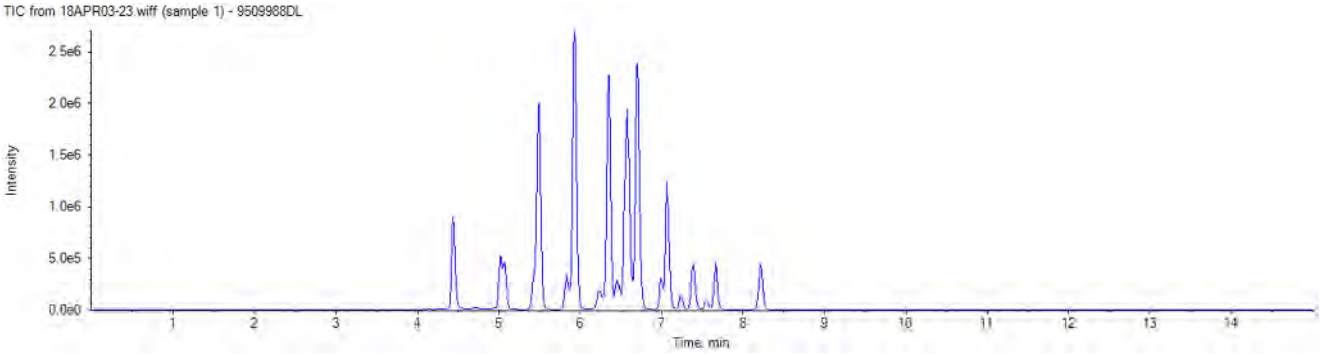
Analyte Quantitation Peak Table

Sample Name: 9509988DL **Instrument Name:** LM24743 **File Name:** 18APR03-23.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26267	1.000	10.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.43	1.000	274435.0	A	13C4-PFBA	4.44	1041088.3	0.264	59.714
PFPeA	5.02	1.000	591319.4	M	13C5-PFPeA	5.02	898812.9	0.658	122.496
PFBS	5.07	1.000	777127.4	A	13C3-PFBS	5.07	502063.7	1.548	288.909
PFHxA	5.49	1.000	4847943.0	M	13C5-PFHxA	5.49	1619098.2	2.994	617.539
PFHxS	5.92	1.000	5559084.5	M	13C3-PFHxS	5.93	460188.0	12.080	2181.907
PFHpA	5.93	1.000	604802.2	M	13C4-PFHpA	5.93	1556734.6	0.389	70.203
PFHpS	6.33	1.070	537587.6	M	13C3-PFHxS	5.93	460188.0	1.168	243.338
PFOA	6.35	1.000	2127514.1	M	13C8-PFOA	6.35	2089553.1	1.018	209.283
PFOS	6.60	0.990	12760841.6	M	13C8-PFOS	6.69	388559.2	32.841	6151.735
PFNA	N/A	N/A	N/A	A	13C9-PFNA	6.72	1426285.1	N/A	
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	6.99	867389.0	N/A	
PFDA	N/A	N/A	N/A	A	13C6-PFDA	7.06	1796103.3	N/A	
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.69	388559.2	N/A	
PFUnDA	N/A	N/A	N/A	A	13C7-PFUnDA	7.38	924333.4	N/A	
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.66	1321266.7	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.66	1321266.7	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.22	1549783.9	N/A	

Total Ion Chromatogram



APPROVED
By MSM at 12:47 pm, 4/4/18

REVIEWED
By umar at 11:18 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005DL_DOD 4/3/2018 8:20:21 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509988DL2			**Data File:**		18APR02-13.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 GRAB-11BERM-031618 Grab Groundwater			**Acquis Date:**		2018-04-02T12:05:32
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	99			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005DL_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.26267			**Dilution Factor:**		100.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	1272153.8	1351416.2	-5.9	50.0	
I13C2-PFOA	5.0	1968230.7	1853772.3	6.2	50.0	
I13C4-PFOS	4.8	525015.8	515296.6	1.9	50.0	
I13C2-PFDA	5.0	1377876.6	1452662.3	-5.1	50.0	

Extraction Standard Peak Table

APPROVED
By MCD at 8:23 pm, 4/3/18

REVIEWED
By umar at 11:13 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005DL_DOD 4/3/2018 8:20:21 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	1273474.4	13C3-PFBA	1272153.8	1.001	1.083	1903.529	1760.102	92.5	50.0-150.0	
E13C5-PFPeA	1028549.9	13C3-PFBA	1272153.8	0.809	0.864	1903.529	1780.656	93.5	50.0-150.0	
E13C3-PFBS	563481.3	13C3-PFBA	1272153.8	0.443	0.451	1770.282	1738.637	98.2	50.0-150.0	
E13C5-PFHxA	1812412.8	13C2-PFOA	1968230.7	0.921	1.000	1903.529	1752.076	92.0	50.0-150.0	
E13C3-PFHxS	542045.5	13C2-PFOA	1968230.7	0.275	0.307	1800.739	1613.062	89.6	50.0-150.0	
E13C4-PFHpA	1741677.6	13C2-PFOA	1968230.7	0.885	1.008	1903.529	1670.981	87.8	50.0-150.0	
E13C8-PFOA	2180286.0	13C2-PFOA	1968230.7	1.108	1.270	1903.529	1660.449	87.2	50.0-150.0	
E13C8-PFOS	462692.1	13C4-PFOS	525015.8	0.881	0.979	1819.774	1637.671	90.0	50.0-150.0	
E13C9-PFNA	1586837.1	13C4-PFOS	525015.8	3.022	3.324	1903.529	1730.848	90.9	50.0-150.0	
E13C8-PFOSA	1045384.2	13C2-PFDA	1377876.6	0.759	0.737	1903.529	1960.287	103.0	50.0-150.0	
E13C6-PFDA	1912540.9	13C2-PFDA	1377876.6	1.388	1.363	1903.529	1938.355	101.8	50.0-150.0	
E13C7-PFUnDA	981800.8	13C2-PFDA	1377876.6	0.713	0.715	1903.529	1895.753	99.6	50.0-150.0	
E13C2-PFDoDA	1465360.5	13C2-PFDA	1377876.6	1.063	1.007	1903.529	2009.530	105.6	50.0-150.0	
E13C2-PFTeDA	1577104.1	13C2-PFDA	1377876.6	1.145	1.171	1903.529	1861.063	97.8	50.0-150.0	

APPROVED
By MCD at 8:23 pm, 4/3/18

REVIEWED
By umar at 11:13 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005DL_DOD 4/3/2018 8:20:21 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

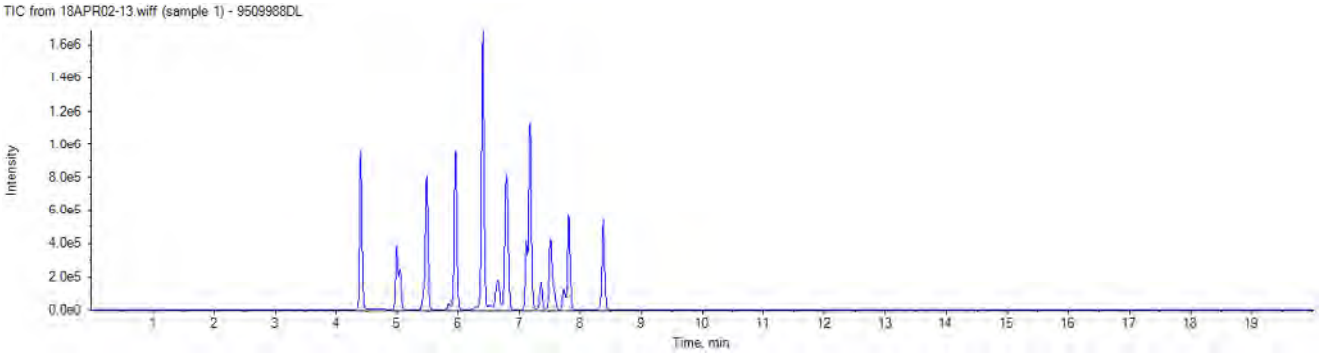
Analyte Quantitation Peak Table

Sample Name: 9509988DL2 **Instrument Name:** LM24743 **File Name:** 18APR02-13.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26267	1.000	100.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.40	1.000	33954.1	M	13C4-PFBA	4.40	1273474.4	0.027	60.696
PFPeA	4.99	1.000	59755.4	M	13C5-PFPeA	4.99	1028549.9	0.058	114.071
PFBS	5.05	1.000	68674.8	A	13C3-PFBS	5.05	563481.3	0.122	222.744
PFHxA	5.48	1.000	444827.1	M	13C5-PFHxA	5.49	1812412.8	0.245	519.448
PFHxS	5.95	1.000	522897.4	M	13C3-PFHxS	5.95	542045.5	0.965	1792.688
PFHpA	5.96	1.000	63842.4	M	13C4-PFHpA	5.96	1741677.6	0.037	67.822
PFHpS	6.38	1.070	50599.4	M	13C3-PFHxS	5.95	542045.5	0.093	191.101
PFOA	6.40	1.000	193640.4	M	13C8-PFOA	6.40	2180286.0	0.089	180.320
PFOS	6.69	0.990	1232448.6	M	13C8-PFOS	6.78	462692.1	2.664	4865.857
PFNA	N/A	N/A	N/A	A	13C9-PFNA	6.81	1586837.1	N/A	
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.12	1045384.2	N/A	
PFDA	N/A	N/A	N/A	A	13C6-PFDA	7.18	1912540.9	N/A	
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.78	462692.1	N/A	
PFUnDA	N/A	N/A	N/A	A	13C7-PFUnDA	7.51	981800.8	N/A	
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.81	1465360.5	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.81	1465360.5	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.38	1577104.1	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:23 pm, 4/3/18

REVIEWED
By umar at 11:13 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509989			**Data File:**		18MAR30-29.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 GRAB-12BERM-031618 Grab Groundwater			**Acquis Date:**		2018-03-31T01:18:46
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	21			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.25761			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	766429.4	1351416.2	-43.3	50.0	
I13C2-PFOA	5.0	2093614.8	1853772.3	12.9	50.0	
I13C4-PFOS	4.8	453518.4	515296.6	-12.0	50.0	
I13C2-PFDA	5.0	1571776.5	1452662.3	8.2	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	805783.2	13C3-PFBA	766429.4	1.051	1.083	19.409	18.849	97.1	50.0-150.0	
E13C5-PFPeA	862920.3	13C3-PFBA	766429.4	1.126	0.864	19.409	25.284	130.3	50.0-150.0	
E13C3-PFBS	496011.0	13C3-PFBA	766429.4	0.647	0.451	18.051	25.902	143.5	50.0-150.0	
E13C5-PFHxA	1689258.1	13C2-PFOA	2093614.8	0.807	1.000	19.409	15.654	80.7	50.0-150.0	
E13C3-PFHxS	497678.2	13C2-PFOA	2093614.8	0.238	0.307	18.361	14.197	77.3	50.0-150.0	
E13C4-PFHpA	1810546.6	13C2-PFOA	2093614.8	0.865	1.008	19.409	16.651	85.8	50.0-150.0	
E13C8-PFOA	2365078.5	13C2-PFOA	2093614.8	1.130	1.270	19.409	17.266	89.0	50.0-150.0	
E13C8-PFOS	425910.6	13C4-PFOS	453518.4	0.939	0.979	18.555	17.794	95.9	50.0-150.0	
E13C9-PFNA	1827567.6	13C4-PFOS	453518.4	4.030	3.324	19.409	23.530	121.2	50.0-150.0	
E13C8-PFOSA	343919.9	13C2-PFDA	1571776.5	0.219	0.737	19.409	5.765	29.7	50.0-150.0	OOS
E13C6-PFDA	2106796.6	13C2-PFDA	1571776.5	1.340	1.363	19.409	19.086	98.3	50.0-150.0	
E13C7-PFUnDA	1038762.3	13C2-PFDA	1571776.5	0.661	0.715	19.409	17.928	92.4	50.0-150.0	
E13C2-PFDoDA	1305981.0	13C2-PFDA	1571776.5	0.831	1.007	19.409	16.009	82.5	50.0-150.0	
E13C2-PFTeDA	974796.9	13C2-PFDA	1571776.5	0.620	1.171	19.409	10.282	53.0	50.0-150.0	

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 3:26 pm, 4/11/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

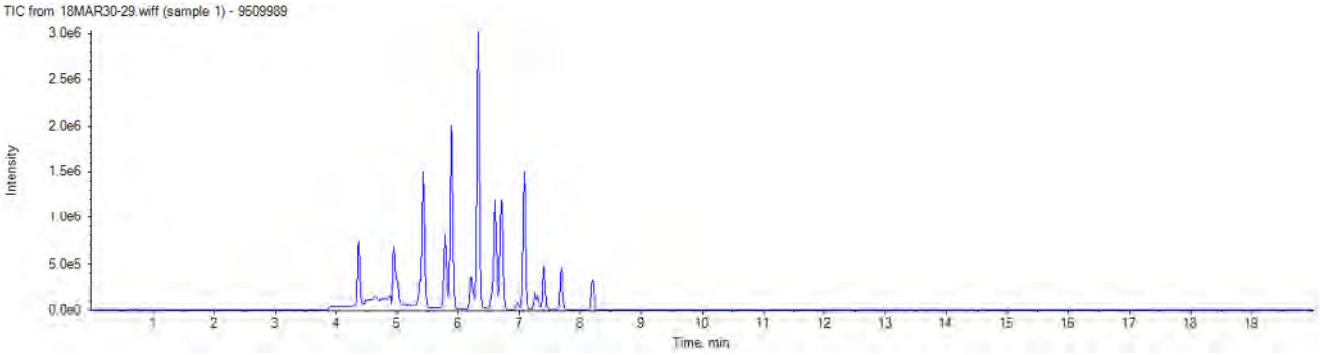
Analyte Quantitation Peak Table

Sample Name: 9509989 **Instrument Name:** LM24743 **File Name:** 18MAR30-29.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.25761	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	314888.6	M	13C4-PFBA	4.37	805783.2	0.391	9.071
PFPeA	4.95	1.000	1004719.6	M	13C5-PFPeA	4.95	862920.3	1.164	23.310
PFBS	5.00	1.000	186667.2	M	13C3-PFBS	5.00	496011.0	0.376	7.013
PFHxA	5.43	1.000	2365234.1	M	13C5-PFHxA	5.43	1689258.1	1.400	30.216
PFHxS	5.89	1.000	2248004.9	M	13C3-PFHxS	5.89	497678.2	4.517	85.589
PFHpA	5.89	1.000	1058488.6	M	13C4-PFHpA	5.89	1810546.6	0.585	11.029
PFHpS	6.31	1.070	29938.1	M	13C3-PFHxS	5.89	497678.2	0.060	1.256
PFOA	6.33	1.000	3180526.4	M	13C8-PFOA	6.33	2365078.5	1.345	27.840
PFOS	6.69	1.000	1781464.5	M	13C8-PFOS	6.70	425910.6	4.183	77.909
PFNA	6.72	1.000	213315.6	M	13C9-PFNA	6.72	1827567.6	0.117	1.936
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.09	343919.9	N/A	
PFDA	7.08	1.000	44465.6	M	13C6-PFDA	7.08	2106796.6	0.021	0.457
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	425910.6	N/A	
PFUnDA	7.30	0.990	347343.0	M	13C7-PFUnDA	7.40	1038762.3	0.334	4.650
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1305981.0	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1305981.0	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.20	974796.9	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 3:26 pm, 4/11/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509990			**Data File:**		18MAR30-30.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 FRB-031618 Grab Water			**Acquis Date:**		2018-03-31T01:39:16
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	22			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.26091			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	1158009.8	1351416.2	-14.3	50.0	
I13C2-PFOA	5.0	1834501.1	1853772.3	-1.0	50.0	
I13C4-PFOS	4.8	463539.4	515296.6	-10.0	50.0	
I13C2-PFDA	5.0	1245366.8	1452662.3	-14.3	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	1210127.2	13C3-PFBA	1158009.8	1.045	1.083	19.164	18.498	96.5	50.0-150.0	
E13C5-PFPeA	1025204.4	13C3-PFBA	1158009.8	0.885	0.864	19.164	19.630	102.4	50.0-150.0	
E13C3-PFBS	523830.5	13C3-PFBA	1158009.8	0.452	0.451	17.822	17.876	100.3	50.0-150.0	
E13C5-PFHxA	1755643.5	13C2-PFOA	1834501.1	0.957	1.000	19.164	18.332	95.7	50.0-150.0	
E13C3-PFHxS	522291.5	13C2-PFOA	1834501.1	0.285	0.307	18.129	16.788	92.6	50.0-150.0	
E13C4-PFHpA	1501698.9	13C2-PFOA	1834501.1	0.819	1.008	19.164	15.562	81.2	50.0-150.0	
E13C8-PFOA	2117438.1	13C2-PFOA	1834501.1	1.154	1.270	19.164	17.418	90.9	50.0-150.0	
E13C8-PFOS	423402.2	13C4-PFOS	463539.4	0.913	0.979	18.320	17.088	93.3	50.0-150.0	
E13C9-PFNA	1510653.1	13C4-PFOS	463539.4	3.259	3.324	19.164	18.789	98.0	50.0-150.0	
E13C8-PFOSA	893856.3	13C2-PFDA	1245366.8	0.718	0.737	19.164	18.670	97.4	50.0-150.0	
E13C6-PFDA	1748851.8	13C2-PFDA	1245366.8	1.404	1.363	19.164	19.743	103.0	50.0-150.0	
E13C7-PFUnDA	902971.2	13C2-PFDA	1245366.8	0.725	0.715	19.164	19.421	101.3	50.0-150.0	
E13C2-PFDoDA	1282003.5	13C2-PFDA	1245366.8	1.029	1.007	19.164	19.583	102.2	50.0-150.0	
E13C2-PFTeDA	1295772.8	13C2-PFDA	1245366.8	1.040	1.171	19.164	17.032	88.9	50.0-150.0	

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 11:03 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

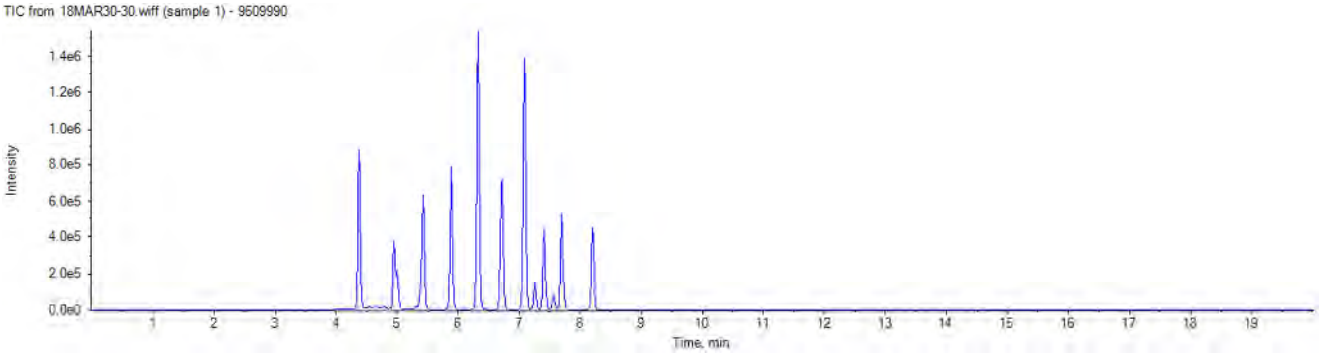
Analyte Quantitation Peak Table

Sample Name: 9509990 **Instrument Name:** LM24743 **File Name:** 18MAR30-30.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26091	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.35	0.990	29242.9	M	13C4-PFBA	4.37	1210127.2	0.024	0.554
PFPeA	N/A	N/A	N/A	A	13C5-PFPeA	4.95	1025204.4	N/A	
PFBS	N/A	N/A	N/A	A	13C3-PFBS	5.00	523830.5	N/A	
PFHxA	N/A	N/A	N/A	A	13C5-PFHxA	5.42	1755643.5	N/A	
PFHxS	N/A	N/A	N/A	A	13C3-PFHxS	5.89	522291.5	N/A	
PFHpA	N/A	N/A	N/A	A	13C4-PFHpA	5.89	1501698.9	N/A	
PFHpS	N/A	N/A	N/A	A	13C3-PFHxS	5.89	522291.5	N/A	
PFOA	N/A	N/A	N/A	A	13C8-PFOA	6.33	2117438.1	N/A	
PFOS	N/A	N/A	N/A	A	13C8-PFOS	6.70	423402.2	N/A	
PFNA	N/A	N/A	N/A	A	13C9-PFNA	6.72	1510653.1	N/A	
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.09	893856.3	N/A	
PFDA	N/A	N/A	N/A	A	13C6-PFDA	7.08	1748851.8	N/A	
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	423402.2	N/A	
PFUnDA	N/A	N/A	N/A	A	13C7-PFUnDA	7.40	902971.2	N/A	
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1282003.5	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1282003.5	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.20	1295772.8	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 11:03 am, 4/9/18

APPENDIX C

SUPPORT DOCUMENTATION

Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 411378 Group # 1920767 Sample # 9509981-90

COC # 546427

Client Information

Client: Tetra Tech

Acct. #:

Project Name/#: 112G08005-WE15

PWSID #:

Project Manager: Stephen Parker

P.O. #:

Sampler: M. Mason, D. Gribben, W. Pryor

Quote #:

State where samples were collected: RI

For Compliance: Yes ☐ No ☐

Matrix

Soil ☐ Sediment ☐ Tissue ☐ Potable ☐ Ground ☒ Water ☐ NPDES ☐ Surface ☐ Other: ____

Analysis Requested

Preservation Codes: H | | | O | H | | N | | | |

Sample Identification	Collected Date	Collected Time	Grab	Composite	Total # of Containers	TCL VOCs (8260C)	SIM TPH/PAH (8015D/8270D)	SVOCs (8270D)	TOC (5310B)	Dissolved Gases (RSK-175)	Anions (9056A)	TAL Metals (6020A / 7470A)	BOD (5210B)	ALK. (2320B)
TB-031618	3/16	0800	X		3	3								
~~ERB-031618~~	~~3/16~~	~~0800~~	~~X~~											
TF1-GT-132-031618	3/16	0930	X		48	9	9	6	6	6	3	3	3	3
TF1-DUP05-031618	3/16	0000	X		16	3	3	2	2	2	1	1	1	1
TF1-GZ-111-031618	3/16	1025	X		16	3	3	2	2	2	1	1	1	1
GRAB-11BERM-031618	3/16	0900	X		16	3	3	2	2	2	1	1	1	1
GRAB-12BERM-031618	3/16	1000	X		16	3	3	2	2	2	1	1	1	1

For Lab Use Only

FSC:

SCR#:

Preservation Codes

H=HCl T=Thiosulfate
N=HNO_3 B=NaOH
S=H_2SO_4 O=Other

Remarks

O = H_3PO_3

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: ____

E-mail address: Stephen.Parker@TetraTech.com

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

Relinquished by	Date	Time	Received by	Date	Time
				5/17/18	1000

EDD Required? Yes No

If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Temperature upon receipt 1.1-3.8 °C

Environmental Analysis Request/Chain of Custody

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Acct. # 41378 Group # 1920767 Sample # 9509981-90

COC # 546434

Client Information

Client: Tetra Tech

Acct. #:

Project Name/#: 112G08005-WE15

PWSID #:

Project Manager: Stephen Parker

P.O. #:

Sampler: M. Mason, D. Griben, W. Pryor

Quote #:

State where samples were collected: RI

For Compliance: Yes ☐ No ☐

Matrix: Soil ☐ Sediment ☐ Tissue ☐ | Water: Potable ☐ Ground ☒ NPDES ☐ Surface ☐ | Other:

Analysis Requested — Preservation Codes

For Lab Use Only: FSC: ____ SCR#: ____

Preservation Codes: H=HCl, T=Thiosulfate, N=HNO_3, B=NaOH, S=H_2SO_4, O=Other

Sample Identification	Collected Date	Collected Time	Grab	Composite	Soil	Sediment	Water	Other	Total # of Containers	Pesticides (8081B)	~~PFAs 8082A~~ DG	PCBs (8082A)	PFAS (537 modified)	Remarks
FRB-031618	3/16	0800	X				X		2	-		-	2	
TF1-GT-132-031618	3/16	0930	X				X		6	2		2	2	
TF1-DUP05-031618	3/16	0000	X				X		6	2		2	2	
TF1-GZ-111-031618	3/16	1025	X				X		6	2		2	2	
GRAB-11BERM-031618	3/16	0900	X				X		6	2		2	2	
GRAB-12BERM-031618	3/16	1000	X				X		6	2		2	2	

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: ____

E-mail address: stephen.parker@tetratech.com

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) | Type VI (Raw Data Only)

Type III (Reduced non-CLP) | NJ DKQP | TX TRRP-13

NYSDEC Category A or B | MA MCP | CT RCP

Relinquished by	Date	Time	Received by	Date	Time

EDD Required? Yes No

If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Temperature upon receipt 1.1-3.8 °C

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be retained by the client.

7044 0216

ETT60 Page 105 of 4253

Page 92 of 95

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Sample Administration Receipt Documentation Log

Doc Log ID: 211210

Group Number(s): 1920767

Client: Tetra Tech

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	03/17/2018 10:00
Number of Packages:	5	Number of Projects:	1
State/Province of Origin:	RI		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	3
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	Yes		

Unpacked by Simon Nies (25112) at 11:58 on 03/17/2018

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	32170023	2.0	IR	Wet	Y	Loose	N
2	32170023	1.1	IR	Wet	Y	Loose	N
3	DT42-02	3.4	DT	Wet	Y	Loose	N
4	DT42-02	2.4	DT	Wet	Y	Loose	N
5	32170023	3.8	IR	Wet	Y	Loose	N

Container Quantity Discrepancy Details

Sample ID on COC	Container Qty. Received	Container Qty. on COC	Comments
TFI-GT-132-031618	66	54	

2425 New Holland Pike
Lancaster, PA 17601-5994
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

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Sample Reference List for SDG Number ETT60
with a Data Package Type of I-DOD

41378 - Earth Toxics

Project: WE15 Tank Farm 1

Lab Sample Number	Client Sample ID	Collection Date	Date Received
9509981	TB-031618	03/16/2018 08:00	03/17/2018 10:00
9509982	TF1-GT-132-031618	03/16/2018 09:30	03/17/2018 10:00
9509983	TF1-GT-132-031618 MS	03/16/2018 09:30	03/17/2018 10:00
9509984	TF1-GT-132-031618 MSD	03/16/2018 09:30	03/17/2018 10:00
9509985	TF1-GT-132-031618 DUP	03/16/2018 09:30	03/17/2018 10:00
9509986	TF1-DUP05-031618	03/16/2018 00:00	03/17/2018 10:00
9509987	TF1-GZ-111-031618	03/16/2018 10:25	03/17/2018 10:00
9509988	GRAB-11BERM-031618	03/16/2018 09:00	03/17/2018 10:00
9509989	GRAB-12BERM-031618	03/16/2018 10:00	03/17/2018 10:00
9509990	FRB-031618	03/16/2018 08:00	03/17/2018 10:00

A small volume of sample is introduced into an ion chromatograph. The anions are then separated and measured by a system consisting of a guard column, separator column, suppressor, and conductivity detector.

Reference: Test Methods for Evaluating Solid Wastes, SW-846 Method 9056A, February 2007.

00273 Total Organic Carbon

TOC is determined by first removing the inorganic carbon from a sample. The remaining carbon is then oxidized to carbon dioxide, which is measured by a nondispersive infrared detector. The mass of carbon dioxide detected is proportional to the mass of TOC in the sample.

Reference: Standard Methods for the Examination of Water and Wastewater, Method 5310 C-2011

12150 Total Alkalinity to pH 4.5

Alkalinity is determined by titrating the sample with standardized sulfuric acid to a pH of 4.5 for the total alkalinity.

Reference: Standard Methods for the Examination of Water and Wastewater, Method 2320 B-2011

14108 Biochemical Oxygen Demand-BOD

The sample is seeded and incubated with nutrients for 5 days at 20C. The reduction of dissolved oxygen concentration during incubation yields a measure of the BOD.

Reference: Standard Methods for the Examination of Water and Wastewater, Method 5210 B-2011

02740 Custom TPH with Ranges (Water)

Sample extracts in methylene chloride are analyzed by capillary chromatography using flame ionization detection. Quantitation is performed using the total peak area detected within the hydrocarbon ranges defined in the method.

Reference: Test Methods for Evaluating Solid Wastes, SW-846 Method 8015C, February 2007.

11181 Custom TPH w/ Ranges Water Ext

A measured volume of water is serially liquid/liquid extracted with methylene chloride in a separatory funnel. The serial extracts are combined, dried and concentrated.

Reference: Test Methods for Evaluating Solid Wastes, SW-846 Method 3510C, Rev 3, December 1996

13693 Dissolved Gases in Water (DOD)

An aliquot of sample is place in a headspace vial and warmed to 35C. A portion of the headspace is analyzed on a gas chromatograph with megabore column and flame ionization detection.

Reference: Sample Preparation and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, Rev. 5, Oct. 2010, modified

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14434 PFAS in Water by LC/MS/MS-DoD
14465 PFAS Water Prep - DoD

A 250 ml sample of water is extracted using a solid phase extraction (SPE) cartridge. The resulting extract is analyzed by LC/MS/MS in negative electrospray ionization (ESI) mode.

Reference: Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LCMSMS), EPA 537 Version 1.1, September 2009, Modified. Department of Defense Quality System Manual Version 5.1, Table B-15.

Project Name: WE15 Tank Farm 1
ELLE Group #: 1920767

General Comments:

All analyses have been performed in accordance with DOD QSM Version 5.0 unless otherwise noted below.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.
Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are included in this data set.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

SW-846 8260C, GC/MS Volatiles

Batch #: 5180831AA (Sample number(s): 9509981-9509984, 9509986-9509989 UNSPK: 9509982)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: 1,1-Dichloroethene

SW-846 8270D, GC/MS Semivolatiles

Batch #: 18081WAN026 (Sample number(s): 9509982-9509984, 9509986-9509989 UNSPK: 9509982)

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside acceptance windows: 4-Chloroaniline, Pentachlorophenol

SW-846 8081B, Pesticides

Sample #s: 9509989

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. The client was contacted and the data reported.

Batch #: 180820005A (Sample number(s): 9509982-9509984, 9509986-9509989 UNSPK: 9509982)

The recovery(ies) for the following analyte(s) in the MS and/or MSD were below the acceptance window: Endosulfan I

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside acceptance windows: Endrin

The recovery(ies) for one or more surrogates were below the acceptance window for sample(s) 9509989

EPA 537 mod QSM 5.1 table B-15, Misc. Organics

Sample #s: 9509982, 9509984, 9509986, 9509987, 9509990

The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.

Sample #s: 9509983, 9509988, 9509989

The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.

The recovery for the sample labeled compound(s) used as extraction standards is outside the QC acceptance limits as noted on the QC Summary.
The following corrective action was taken: The sample was reextracted outside the holding time and comparable results were observed.
The data is reported from the in-hold extraction. Both sets of data are included in the data package.

Batch #: 18080005 (Sample number(s): 9509982-9509984, 9509986-9509990 UNSPK: 9509982)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Perfluoroheptanoic acid, Perfluorohexanesulfonate

The recovery(ies) for one or more surrogates were below the acceptance window for sample(s) 9509983, 9509988, 9509989, MS

SW-846 6020A, Metals

Batch #: 180801063902A (Sample number(s): 9509982-9509989 UNSPK: 9509982 BKG: 9509982)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Manganese

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Zinc

Batch #: 180801063902B (Sample number(s): 9509982-9509989 UNSPK: 9509982 BKG: 9509982)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Calcium

SW-846 9056A, Wet Chemistry

Batch #: 18076265317A (Sample number(s): 9509982-9509989 UNSPK: 9509982 BKG: 9509982)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Chloride, Nitrate Nitrogen

SM 2320 B-2011, Wet Chemistry

Batch #: 18079006104A (Sample number(s): 9509986-9509989 UNSPK: P510409 BKG: P510408-P510409)

The recovery(ies) for the following analyte(s) in the MS and/or MSD were below the acceptance window: Total Alkalinity to pH 4.5

Batch #: 18079006105A (Sample number(s): 9509982-9509983, 9509985 UNSPK: 9509982 BKG: P9509982-P510419)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Total Alkalinity to pH 4.5

PFAS by LC/MS/MS Data

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Case Narrative/Conformance Summary

CLIENT: Earth Toxics
SDG: ETT60

PFAS Group

Fraction: PFAS by LC/MS/MS

		Matrix			
Sample #	Client ID	Liquid	Solid	DF	Comments
9509982	TF1-GT-132-031618	X		1	Unspiked
9509983	TF1-GT-132-031618 MS	X		1	Matrix Spike
9509984	TF1-GT-132-031618 MSD	X		1	Matrix Spike Duplicate
9509986	TF1-DUP05-031618	X		1	Field Duplicate Sample
9509987	TF1-GZ-111-031618	X		1	
9509988	GRAB-11BERM-031618	X		1; 10; 100	
9509989	GRAB-12BERM-031618	X		1	
9509990	FRB-031618	X		1	Field Blank

All analyses have been performed in accordance with DOD QSM Version 5.0 unless otherwise noted below.
See QC Reference List for Associated Batch QC Samples

SAMPLE RECEIPT:

Samples were received in good condition and within temperature requirements.

HOLDING TIME:

All holding times were met.

PREPARATION/EXTRACTION/DIGESTION:

No problems were encountered.

CALIBRATION/STANDARDIZATION:

All criteria were met.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

MS/MSD

Please note that US EPA Methods for organic compounds do not require action by the laboratory based on out-of-specification MS/MSD results.

Batch#: 18080005 (Sample number(s): 9509982-9509984, 9509986-9509990, UNSPK: 9509982)
The recovery(ies) for the following analyte(s) in the MS exceeded the acceptance window indicating a positive bias: Perfluoroheptanoic acid, Perfluorohexanesulfonate

Case Narrative/Conformance Summary

CLIENT: Earth Toxics
SDG: ETT60

PFAS Group

Fraction: PFAS by LC/MS/MS

Batch#: 18096004
The relative percent difference(s) for the following analyte(s) in the MS/MSD is outside the acceptance window: Perfluorobutanesulfonate, Perfluorobutanoic acid, Perfluorodecanesulfonate, Perfluorodecanoic acid, Perfluorododecanoic acid, Perfluoroheptanesulfonate, Perfluoroheptanoic acid, Perfluorohexanesulfonate, Perfluorononanoic acid, Perfluorooctanesulfonamide, Perfluoro-octanesulfonate, Perfluorooctanoic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid, Perfluoroundecanoic acid

The recovery(ies) for the following analyte(s) in the MS exceeded the acceptance window indicating a positive bias: Perfluorohexanesulfonate, Perfluoro-octanesulfonate, Perfluorooctanoic acid, Perfluoroundecanoic acid

The recovery(ies) for the following analyte(s) in the MS and MSD exceeded the acceptance window indicating a positive bias: Perfluoroheptanoic acid, Perfluorohexanoic acid, Perfluoropentanoic acid

Surrogate

Surrogate recoveries that are noncompliant are confirmed unless attributed to a dilution or otherwise noted.

(Sample number(s): 9509983, 9509988-9509989: Analysis: 14434)
The recovery for the sample labeled compound(s) used as extraction standards is outside the QC acceptance limits as noted on the QC Summary.
The following corrective action was taken: The sample was reextracted outside the holding time and comparable results were observed.
The data is reported from the in-hold extraction. Both sets of data are included in the data package.

Batch#: 18096004
The recovery(ies) for the following surrogate(s) were below the acceptance window: 13C2-PFTeDA (9509982 UNSPK, 9509983)

Batch#: 18080005 (Sample number(s): 9509982-9509984, 9509986-9509990, UNSPK: 9509982)
The recovery(ies) for the following surrogate(s) were below the acceptance window: 13C2-PFDoDA (9509988), 13C2-PFTeDA (9509983, 9509988), 13C6-PFDA (9509988), 13C7-PFUnDA (9509988), 13C8-PFOSA (9509988, 9509989)

SAMPLE ANALYSIS:

(Sample number(s): 9509982-9509984, 9509986-9509990: Analysis: 14434)
The laboratory's DoD Scope of Accreditation does not include the following method: EPA 537 mod QSM 5.1 table B-15.

Case Narrative/Conformance Summary

CLIENT: Earth Toxics
SDG: ETT60

PFAS Group

Fraction: PFAS by LC/MS/MS

Abbreviation Key

UNSPK = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
+MS = Matrix Spike	MDL = Method Detection Limit
MSD = Matrix Spike Duplicate	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	E= out of calibration range
LCS = Lab Control Sample	RE = Repreparation/Reanalysis
LCSD = Lab Control Sample Duplicate	* = Out of Specification

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Quality Control Reference List
PFAS Group

CLIENT: Earth Toxics
SDG: ETT60

Fraction: PFAS by LC/MS/MS

Analysis	Batch Number	Sample Number	Analysis Date
PFAS in Water by LC/MS/MS-DoD	18080005	BLK080005	03/30/2018 23:36:00
		LCS080005	03/30/2018 22:13:00
		9509982 UNSPK	03/30/2018 23:56:00
		9509983 MS	03/30/2018 22:34:00
		9509984 MSD	03/30/2018 22:55:00
		9509986	03/31/2018 00:17:00
		9509987	03/31/2018 00:37:00
		9509988	03/31/2018 00:58:00
		9509988	04/02/2018 12:05:00
		9509988	04/04/2018 03:01:00
		9509989	03/31/2018 01:18:00
		9509990	03/31/2018 01:39:00
PFAS in Water by LC/MS/MS-DoD	18096004	BLK096004	04/09/2018 18:09:00
		LCS096004	04/09/2018 17:07:00
		9509982RE UNSPK	04/09/2018 18:25:00
		9509983RE MS	04/09/2018 17:23:00
		9509984RE MSD	04/09/2018 17:38:00
		9509988RE	04/09/2018 18:40:00
		9509989RE	04/09/2018 18:56:00

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LC-MS/MS
Sample Run Log

Printed: 4/2/2018 2:19:00 PM
Template: Sample Run Log-17JUL05.docx

Instrument Name: LM24743

Data File Name	Sample ID	Batch No	Analysis Date/Time
18MAR26MCAL-25.wiff	MDL	N/A	3/27/2018 12:53:34 AM
18MAR26MCAL-26.wiff	CAL1	N/A	3/27/2018 1:14:04 AM
18MAR26MCAL-27.wiff	CAL2	N/A	3/27/2018 1:34:37 AM
18MAR26MCAL-28.wiff	CAL3	N/A	3/27/2018 1:55:10 AM
18MAR26MCAL-29.wiff	CAL4	N/A	3/27/2018 2:15:40 AM
18MAR26MCAL-30.wiff	CAL5	N/A	3/27/2018 2:36:10 AM
18MAR26MCAL-31.wiff	CAL6	N/A	3/27/2018 2:56:40 AM
18MAR26MCAL-32.wiff	CAL7	N/A	3/27/2018 3:17:10 AM
18MAR26MCAL-33.wiff	Instrument Blank	N/A	3/27/2018 3:37:40 AM
18MAR26MCAL-34.wiff	ICV	N/A	3/27/2018 3:58:13 AM
18MAR26MCAL-35.wiff	L+B CAL3	N/A	3/27/2018 4:18:46 AM
18MAR26MCAL-36.wiff	CCV1_CAL3	N/A	3/27/2018 4:39:19 AM
18MAR30-01.wiff	CCV1_CAL3	N/A	3/30/2018 3:43:45 PM
18MAR30-02.wiff	solvent	N/A	3/30/2018 4:04:18 PM
18MAR30-03.wiff	9506170RE	18075005	3/30/2018 4:24:51 PM
18MAR30-04.wiff	CCV2_CAL4	N/A	3/30/2018 4:45:21 PM
18MAR30-05.wiff	solvent	N/A	3/30/2018 5:05:51 PM
18MAR30-06.wiff	CCV3_CAL1	N/A	3/30/2018 5:26:25 PM
18MAR30-07.wiff	Instrument Blank	N/A	3/30/2018 5:46:57 PM
18MAR30-08.wiff	LCSDA	18078013	3/30/2018 6:07:31 PM
18MAR30-09.wiff	9506200DL	18078013	3/30/2018 6:28:01 PM
18MAR30-10.wiff	9506200DL2	18078013	3/30/2018 6:48:33 PM
18MAR30-11.wiff	LCS082019	18082019	3/30/2018 7:09:07 PM
18MAR30-12.wiff	LCSDA	18082019	3/30/2018 7:29:40 PM
18MAR30-13.wiff	9509954MS	18082019	3/30/2018 7:50:13 PM
18MAR30-14.wiff	Solvent	NA	3/30/2018 8:10:43 PM
18MAR30-15.wiff	BLK082019	18082019	3/30/2018 8:31:16 PM
18MAR30-16.wiff	9509954BKG	18082019	3/30/2018 8:51:46 PM
18MAR30-17.wiff	9509955	18082019	3/30/2018 9:12:19 PM
18MAR30-18.wiff	CCV4_CAL2	NA	3/30/2018 9:32:49 PM
18MAR30-19.wiff	Solvent	NA	3/30/2018 9:53:22 PM
18MAR30-20.wiff	LCS080005	18080005	3/30/2018 10:13:55 PM
18MAR30-21.wiff	9509983MS	18080005	3/30/2018 10:34:28 PM
18MAR30-22.wiff	9509984MSD	18080005	3/30/2018 10:55:01 PM
18MAR30-23.wiff	solvent	N/A	3/30/2018 11:15:34 PM
18MAR30-24.wiff	BLK080005	18080005	3/30/2018 11:36:07 PM
18MAR30-25.wiff	9509982BKG	18080005	3/30/2018 11:56:37 PM
18MAR30-26.wiff	9509986	18080005	3/31/2018 12:17:10 AM
18MAR30-27.wiff	9509987	18080005	3/31/2018 12:37:43 AM
18MAR30-28.wiff	9509988	18080005	3/31/2018 12:58:16 AM
18MAR30-29.wiff	9509989	18080005	3/31/2018 1:18:46 AM
18MAR30-30.wiff	9509990	18080005	3/31/2018 1:39:16 AM
18MAR30-31.wiff	CCV5_CAL3	N/A	3/31/2018 1:59:46 AM
18MAR30-32.wiff	solvent	N/A	3/31/2018 2:20:19 AM
18MAR30-33.wiff	LCS078015	18078015	3/31/2018 2:40:52 AM
18MAR30-34.wiff	LCSDA	18078015	3/31/2018 3:01:25 AM
18MAR30-35.wiff	9509915MS	18078015	3/31/2018 3:21:58 AM
18MAR30-36.wiff	solvent	N/A	3/31/2018 3:42:31 AM
18MAR30-37.wiff	BLK078015	18078015	3/31/2018 4:03:04 AM
18MAR30-38.wiff	9509915BKG	18078015	3/31/2018 4:23:37 AM
18MAR30-39.wiff	9509916	18078015	3/31/2018 4:44:10 AM
18MAR30-40.wiff	CCV6_CAL1	N/A	3/31/2018 5:04:43 AM
18MAR30-41.wiff	Instrument Blank	N/A	3/31/2018 5:25:16 AM
18MAR30-42.wiff	9509917	18078015	3/31/2018 5:45:49 AM
18MAR30-43.wiff	9509918	18078015	3/31/2018 6:06:19 AM
18MAR30-44.wiff	9509919	18078015	3/31/2018 6:26:52 AM
18MAR30-45.wiff	9509920	18078015	3/31/2018 6:47:26 AM

APPROVED
By MSM at 2:24 pm, 4/2/18

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FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Lab File Names: CAL1= 18MAR26MCAL-26.WIFF; CAL2= 18MAR26MCAL-27.WIFF; CAL3= 18MAR26MCAL-28.WIFF;
CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

Perfluorobutanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.039	0.20	0.232	16.2	±30
CAL2	0.102	0.60	0.609	1.5	±30
CAL3	0.342	2.00	2.042	2.1	±30
CAL4	1.383	8.00	8.268	3.3	±30
CAL5	3.761	20.00	22.489	12.4	±30
CAL6	8.319	50.00	49.742	-0.5	±30
CAL7	16.292	100.00	97.417	-2.6	±30

Perfluoropentanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.045	0.20	0.233	16.3	±30
CAL2	0.121	0.60	0.626	4.4	±30
CAL3	0.406	2.00	2.095	4.7	±30
CAL4	1.674	8.00	8.636	7.9	±30
CAL5	4.446	20.00	22.930	14.6	±30
CAL6	9.810	50.00	50.593	1.2	±30
CAL7	18.553	100.00	95.687	-4.3	±30

Perfluorobutanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.042	0.17	0.204	19.9	±30
CAL2	0.105	0.53	0.503	-5.2	±30
CAL3	0.363	1.77	1.743	-1.5	±30
CAL4	1.482	7.08	7.114	0.5	±30
CAL5	3.911	17.69	18.776	6.1	±30
CAL6	9.461	44.22	45.416	2.7	±30
CAL7	17.946	88.45	86.154	-2.6	±30

4:2 fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.122	0.58	0.655	12.9	±30
CAL2	0.398	1.98	2.145	8.3	±30
CAL3	1.016	4.90	5.475	11.7	±30
CAL4	1.654	10.04	8.915	-11.2	±30
CAL5	2.375	12.49	12.800	2.5	±30
CAL6	0.001	0	0.006		±30
CAL7	0.002	0	0.010		±30

* Outside QC Limits

FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Lab File Names: CAL1= 18MAR26MCAL-26.WIFF; CAL2= 18MAR26MCAL-27.WIFF; CAL3= 18MAR26MCAL-28.WIFF;
CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

Perfluorohexanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.041	0.20	0.231	15.3	±30
CAL2	0.112	0.60	0.622	3.7	±30
CAL3	0.369	2.00	2.054	2.7	±30
CAL4	1.582	8.00	8.793	9.9	±30
CAL5	4.072	20.00	22.636	13.2	±30
CAL6	8.972	50.00	49.879	-0.2	±30
CAL7	17.374	100.00	96.586	-3.4	±30

Perfluoropentanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.020	0.19	0.202	6.1	±30
CAL2	0.062	0.56	0.615	9.8	±30
CAL3	0.180	1.88	1.796	-4.5	±30
CAL4	0.796	7.50	7.951	6.0	±30
CAL5	2.070	18.76	20.671	10.2	±30
CAL6	4.685	46.90	46.785	-0.2	±30
CAL7	9.169	93.80	91.570	-2.4	±30

Perfluorohexanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.039	0.19	0.193	1.5	±30
CAL2	0.114	0.57	0.555	-2.7	±30
CAL3	0.394	1.89	1.923	1.8	±30
CAL4	1.664	7.56	8.123	7.4	±30
CAL5	4.542	18.91	22.169	17.2	±30
CAL6	9.550	47.28	46.614	-1.4	±30
CAL7	18.719	94.55	91.373	-3.4	±30

Perfluoroheptanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.053	0.20	0.257	28.7	±30
CAL2	0.143	0.60	0.695	15.9	±30
CAL3	0.457	2.00	2.221	11.1	±30
CAL4	1.868	8.00	9.078	13.5	±30
CAL5	4.660	20.00	22.649	13.2	±30
CAL6	10.416	50.00	50.620	1.2	±30
CAL7	19.605	100.00	95.279	-4.7	±30

FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Lab File Names: CAL1= 18MAR26MCAL-26.WIFF; CAL2= 18MAR26MCAL-27.WIFF; CAL3= 18MAR26MCAL-28.WIFF;
CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

6:2 fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.253	1.30	1.310	0.8	±30
CAL2	0.445	2.09	2.306	10.3	±30
CAL3	1.211	5.21	6.268	20.3	±30
CAL4	1.869	10.43	9.676	-7.2	±30
CAL5	2.416	13.04	12.510	-4.1	±30

Perfluoroheptanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.035	0.19	0.190	0.0	±30
CAL2	0.106	0.57	0.572	0.3	±30
CAL3	0.372	1.90	2.001	5.3	±30
CAL4	1.486	7.61	7.992	5.0	±30
CAL5	4.084	19.03	21.962	15.4	±30
CAL6	8.590	47.58	46.192	-2.9	±30
CAL7	17.317	95.15	93.120	-2.1	±30

Perfluorooctanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.048	0.20	0.255	27.4	±30
CAL2	0.117	0.60	0.624	4.0	±30
CAL3	0.403	2.00	2.151	7.5	±30
CAL4	1.515	8.00	8.077	1.0	±30
CAL5	4.078	20.00	21.750	8.8	±30
CAL6	8.990	50.00	47.943	-4.1	±30
CAL7	16.906	100.00	90.162	-9.8	±30

Perfluoro-octanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.041	0.19	0.198	4.4	±30
CAL2	0.124	0.57	0.597	4.7	±30
CAL3	0.416	1.91	1.996	4.5	±30
CAL4	1.602	7.65	7.686	0.5	±30
CAL5	4.468	19.12	21.437	12.1	±30
CAL6	10.200	47.80	48.944	2.4	±30
CAL7	19.169	95.60	91.981	-3.8	±30

FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Lab File Names: CAL1= 18MAR26MCAL-26.WIFF; CAL2= 18MAR26MCAL-27.WIFF; CAL3= 18MAR26MCAL-28.WIFF;
CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

Perfluorononanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.058	0.20	0.246	22.8	±30
CAL2	0.160	0.60	0.682	13.6	±30
CAL3	0.493	2.00	2.105	5.3	±30
CAL4	2.082	8.00	8.894	11.2	±30
CAL5	5.126	20.00	21.901	9.5	±30
CAL6	10.995	50.00	46.973	-6.1	±30
CAL7	19.513	100.00	83.366	-16.6	±30

Perfluorooctanesulfonamide	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.041	0.20	0.211	5.3	±30
CAL2	0.120	0.60	0.619	3.2	±30
CAL3	0.410	2.00	2.110	5.5	±30
CAL4	1.549	8.00	7.979	-0.3	±30
CAL5	2.011	10.00	10.358	3.6	±30
CAL6	9.826	50.00	50.621	1.2	±30
CAL7	19.199	100.00	98.903	-1.1	±30

Perfluorononanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.028	0.19	0.197	3.5	±30
CAL2	0.084	0.58	0.594	2.4	±30
CAL3	0.285	1.92	2.026	5.5	±30
CAL4	1.072	7.68	7.624	-0.7	±30
CAL5	2.932	19.20	20.846	8.6	±30
CAL6	7.268	48.00	51.673	7.7	±30
CAL7	12.745	96.00	90.610	-5.6	±30

Perfluorodecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.040	0.20	0.225	12.7	±30
CAL2	0.115	0.60	0.640	6.6	±30
CAL3	0.386	2.00	2.154	7.7	±30
CAL4	1.448	8.00	8.072	0.9	±30
CAL5	4.161	20.00	23.194	16.0	±30
CAL6	8.998	50.00	50.156	0.3	±30
CAL7	17.287	100.00	96.360	-3.6	±30

FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Lab File Names: CAL1= 18MAR26MCAL-26.WIFF; CAL2= 18MAR26MCAL-27.WIFF; CAL3= 18MAR26MCAL-28.WIFF;
CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

8:2 fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.299	1.32	1.514	14.7	±30
CAL2	0.464	2.11	2.350	11.4	±30
CAL3	1.152	5.27	5.836	10.7	±30
CAL4	1.912	10.54	9.685	-8.1	±30
CAL5	2.571	13.17	13.024	-1.1	±30

NMePFOSAE	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.051	0.20	0.230	14.9	±30
CAL2	0.139	0.60	0.623	3.9	±30
CAL3	0.462	2.00	2.076	3.8	±30
CAL4	1.731	8.00	7.784	-2.7	±30
CAL5	2.298	10.00	10.332	3.3	±30
CAL6	11.637	50.00	52.322	4.6	±30
CAL7	21.671	100.00	97.433	-2.6	±30

NMePFOSA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.052	0.20	0.257	28.7	±30
CAL2	0.125	0.60	0.614	2.4	±30
CAL3	0.455	2.00	2.236	11.8	±30
CAL4	1.610	8.00	7.912	-1.1	±30
CAL5	1.990	10.00	9.780	-2.2	±30
CAL6	9.440	50.00	46.401	-7.2	±30
CAL7	20.309	100.00	99.822	-0.2	±30

NMeFOSAA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.052	0.20	0.251	25.6	±30
CAL2	0.128	0.60	0.617	2.9	±30
CAL3	0.483	2.00	2.335	16.7	±30
CAL4	1.760	8.00	8.513	6.4	±30
CAL5	2.264	10.00	10.950	9.5	±30
CAL6	10.913	50.00	52.772	5.5	±30
CAL7	19.720	100.00	95.362	-4.6	±30

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FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Lab File Names: CAL1= 18MAR26MCAL-26.WIFF; CAL2= 18MAR26MCAL-27.WIFF; CAL3= 18MAR26MCAL-28.WIFF;
CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

NEtPFOSAE	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.054	0.20	0.246	22.9	±30
CAL2	0.140	0.60	0.643	7.2	±30
CAL3	0.539	2.00	2.468	23.4	±30
CAL4	1.825	8.00	8.355	4.4	±30
CAL5	2.189	10.00	10.025	0.3	±30
CAL6	11.815	50.00	54.105	8.2	±30
CAL7	20.736	100.00	94.958	-5.0	±30

NEtPFOSA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.041	0.20	0.201	0.7	±30
CAL2	0.110	0.60	0.540	-10.0	±30
CAL3	0.433	2.00	2.130	6.5	±30
CAL4	1.559	8.00	7.675	-4.1	±30
CAL5	1.985	10.00	9.773	-2.3	±30
CAL6	10.251	50.00	50.460	0.9	±30
CAL7	20.320	100.00	100.022	0.0	±30

Perfluorodecanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.022	0.19	0.220	15.7	±30
CAL2	0.059	0.58	0.590	1.8	±30
CAL3	0.199	1.93	1.982	2.7	±30
CAL4	0.740	7.70	7.391	-4.0	±30
CAL5	2.167	19.26	21.635	12.3	±30
CAL6	5.243	48.15	52.337	8.7	±30
CAL7	9.012	96.30	89.956	-6.6	±30

Perfluoroundecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.072	0.20	0.258	29.1	±30
CAL2	0.180	0.60	0.644	7.3	±30
CAL3	0.628	2.00	2.248	12.4	±30
CAL4	2.582	8.00	9.250	15.6	±30
CAL5	5.901	20.00	21.140	5.7	±30
CAL6	13.193	50.00	47.260	-5.5	±30
CAL7	24.361	100.00	87.267	-12.7	±30

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FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

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CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

NEtFOSAA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.047	0.20	0.208	3.9	±30
CAL2	0.122	0.60	0.546	-8.9	±30
CAL3	0.478	2.00	2.137	6.8	±30
CAL4	1.637	8.00	7.316	-8.5	±30
CAL5	2.126	10.00	9.504	-5.0	±30
CAL6	11.513	50.00	51.466	2.9	±30
CAL7	22.285	100.00	99.622	-0.4	±30

Perfluorododecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.044	0.20	0.228	14.0	±30
CAL2	0.115	0.60	0.595	-0.8	±30
CAL3	0.416	2.00	2.148	7.4	±30
CAL4	1.692	8.00	8.737	9.2	±30
CAL5	4.535	20.00	23.419	17.1	±30
CAL6	9.470	50.00	48.908	-2.2	±30
CAL7	18.736	100.00	96.764	-3.2	±30

10:2-fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.367	1.33	1.522	14.4	±30
CAL2	0.461	2.12	1.914	-9.7	±30
CAL3	1.305	5.30	5.413	2.1	±30
CAL4	2.575	10.60	10.681	0.8	±30
CAL5	3.153	13.26	13.081	-1.4	±30

Perfluorododecanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.009	0.19	0.188	-1.1	±30
CAL2	0.027	0.58	0.556	-4.1	±30
CAL3	0.100	1.94	2.072	6.8	±30
CAL4	0.360	7.74	7.458	-3.6	±30
CAL5	1.014	19.36	20.975	8.3	±30
CAL6	2.463	48.40	50.980	5.3	±30
CAL7	4.483	96.80	92.781	-4.2	±30

* Outside QC Limits FORM 06 - EPA 537 mod QSM Page 7 of 8
5.1 table 3.15
ETT60 - Page 2314 of 4253

FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

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CAL4= 18MAR26MCAL-29.WIFF; CAL5= 18MAR26MCAL-30.WIFF; CAL6= 18MAR26MCAL-31.WIFF;
CAL7= 18MAR26MCAL-32.WIFF;

Perfluorotridecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.039	0.20	0.219	9.3	±30
CAL2	0.110	0.60	0.624	4.0	±30
CAL3	0.366	2.00	2.076	3.8	±30
CAL4	1.556	8.00	8.825	10.3	±30
CAL5	4.213	20.00	23.890	19.4	±30
CAL6	8.556	50.00	48.518	-3.0	±30
CAL7	17.044	100.00	96.649	-3.4	±30

Perfluorotetradecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.039	0.20	0.239	19.3	±30
CAL2	0.100	0.60	0.615	2.6	±30
CAL3	0.365	2.00	2.250	12.5	±30
CAL4	1.387	8.00	8.550	6.9	±30
CAL5	3.673	20.00	22.643	13.2	±30
CAL6	7.822	50.00	48.225	-3.5	±30
CAL7	15.940	100.00	98.278	-1.7	±30

Perfluorohexadecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.038	0.20	0.257	28.4	±30
CAL2	0.101	0.60	0.672	11.9	±30
CAL3	0.357	2.00	2.380	19.0	±30
CAL4	1.292	8.00	8.620	7.7	±30
CAL5	3.418	20.00	22.809	14.0	±30
CAL6	7.195	50.00	48.017	-4.0	±30
CAL7	14.691	100.00	98.045	-2.0	±30

Perfluorooctadecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.037	0.20	0.214	7.1	±30
CAL2	0.104	0.60	0.600	0.1	±30
CAL3	0.369	2.00	2.138	6.9	±30
CAL4	1.369	8.00	7.927	-0.9	±30
CAL5	3.959	20.00	22.923	14.6	±30
CAL6	8.246	50.00	47.746	-4.5	±30
CAL7	17.140	100.00	99.251	-0.7	±30

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FORM 06A DOD - EPA 537 mod QSM 5.1 table B-15
INITIAL CALIBRATION RESPONSE FACTOR SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

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CAL4=18MAR26MCAL-29.WIFF; CAL5=18MAR26MCAL-30.WIFF; CAL6=18MAR26MCAL-31.WIFF;
CAL7=18MAR26MCAL-32.WIFF;

Analyte	RF							RF %RSD
	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7	
Perfluorobutanoic acid	0.972	0.849	0.854	0.864	0.940	0.832	0.815	6
Perfluoropentanoic acid	1.127	1.012	1.015	1.047	1.111	0.981	0.928	6
Perfluorobutanesulfonate	1.162	0.919	0.954	0.973	1.028	0.995	0.943	8
4:2 fluorotelomersulfonate	0.979	0.939	0.968	0.770	0.888	---	---	8
Perfluorohexanoic acid	1.037	0.932	0.924	0.989	1.018	0.897	0.869	6
Perfluoropentanesulfonate	0.494	0.511	0.445	0.494	0.513	0.464	0.455	5
Perfluorohexanesulfonate	0.983	0.943	0.986	1.041	1.136	0.955	0.936	7
Perfluoroheptanoic acid	1.324	1.192	1.143	1.167	1.165	1.042	0.980	9
6:2 fluorotelomersulfonate	0.924	1.012	1.104	0.851	0.880	---	---	10
Perfluoroheptanesulfonate	0.880	0.882	0.927	0.924	1.015	0.854	0.861	6
Perfluorooctanoic acid	1.195	0.975	1.008	0.947	1.020	0.899	---	9
Perfluoro-octanesulfonate	1.040	1.043	1.041	1.001	1.117	1.020	0.958	4
Perfluorononanoic acid	1.438	1.330	1.232	1.301	1.282	1.099	---	8
Perfluorooctanesulfonamide	1.022	1.002	1.024	0.968	1.005	0.983	0.960	2
Perfluorononanesulfonate	0.696	0.688	0.710	0.667	0.730	0.724	0.635	4
Perfluorodecanoic acid	1.011	0.956	0.966	0.905	1.040	0.900	0.864	6
8:2 fluorotelomersulfonate	1.085	1.053	1.047	0.869	0.935	---	---	8
NMePFOSAE	1.278	1.155	1.154	1.082	1.149	1.164	1.084	5
NMePFOSA	1.310	1.042	1.137	1.006	0.995	---	---	11
NMeFOSAA	1.298	1.064	1.207	1.100	1.132	1.091	0.986	8
NEtPFOSAE	1.342	1.171	1.347	1.140	1.095	1.181	1.037	9
NEtPFOSA	1.023	0.914	1.082	0.975	0.993	1.025	1.016	5
Perfluorodecanesulfonate	0.554	0.487	0.492	0.460	0.538	0.521	0.447	7
Perfluoroundecanoic acid	1.802	1.498	1.569	1.614	1.475	1.319	---	9
NEtFOSAA	1.163	1.019	1.195	1.023	1.063	1.151	1.114	6
Perfluorododecanoic acid	1.104	0.961	1.040	1.057	1.134	0.947	0.937	7
10:2-fluorotelomersulfonate	1.321	1.042	1.179	1.164	1.139	---	---	8
Perfluorododecanesulfonate	0.228	0.222	0.247	0.223	0.250	0.243	0.221	5
Perfluorotridecanoic acid	0.964	0.917	0.915	0.973	1.053	0.856	0.852	7
Perfluorotetradecanoic acid	0.968	0.832	0.912	0.867	0.918	0.782	0.797	7
Perfluorohexadecanoic acid	0.962	0.839	0.892	0.807	0.854	0.720	0.735	10
Perfluorooctadecanoic acid	0.925	0.864	0.923	0.856	0.990	0.825	0.857	6

--- Calibration point does not apply

* = % RSD > 20

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18MAR26DCAL **QMethod Name:** SF-PFCMOD-17AUG01
Result Table: 18MAR26DCAL 32 compounds + sec3/27/2018 2:25:29 PM **Acquisition Method:** PFC-32-18MAR26.dam

Response Factor Table

Analyte Name	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6	CAL 7	%RSD	Limit	OOS	r^2	OOS
PFBA	0.972	0.849	0.854	0.864	0.940	0.832	0.815	6.167	20.000		0.998	
PFPeA	1.127	1.012	1.015	1.047	1.111	0.981	0.928	6.316	20.000		0.996	
PFBS	1.162	0.919	0.954	0.973	1.028	0.995	0.943	7.539	20.000		0.999	
4:2-FTS	0.979	0.939	0.968	0.770	0.888	N/A	N/A	8.406	20.000		0.990	
PFHxA	1.037	0.932	0.924	0.989	1.018	0.897	0.869	6.157	20.000		0.997	
PFPeS	0.494	0.511	0.445	0.494	0.513	0.464	0.455	5.288	20.000		0.998	
PFHxS	0.983	0.943	0.986	1.041	1.136	0.955	0.936	6.556	20.000		0.996	
PFHpA	1.324	1.192	1.143	1.167	1.165	1.042	0.980	8.927	20.000		0.996	
6:2-FTS	0.924	1.012	1.104	0.851	0.880	N/A	N/A	9.688	20.000		0.983	OOS
PFHpS	0.880	0.882	0.927	0.924	1.015	0.854	0.861	5.699	20.000		0.997	
PFOA	1.195	0.975	1.008	0.947	1.020	0.899	N/A	9.221	20.000		0.997	
PFOS	1.040	1.043	1.041	1.001	1.117	1.020	0.958	4.332	20.000		0.997	
PFNA	1.438	1.330	1.232	1.301	1.282	1.099	N/A	7.981	20.000		0.994	
PFOSA	1.022	1.002	1.024	0.968	1.005	0.983	0.960	2.358	20.000		1.000	
PFNS	0.696	0.688	0.710	0.667	0.730	0.724	0.635	4.460	20.000		0.996	
PFDA	1.011	0.956	0.966	0.905	1.040	0.900	0.864	6.172	20.000		0.996	
8:2-FTS	1.085	1.053	1.047	0.869	0.935	N/A	N/A	8.218	20.000		0.994	
NMePFOSAE	1.278	1.155	1.154	1.082	1.149	1.164	1.084	5.239	20.000		0.999	
NMePFOSA	1.310	1.042	1.137	1.006	0.995	N/A	N/A	10.672	20.000		0.999	
NMeFOSAA	1.298	1.064	1.207	1.100	1.132	1.091	0.986	8.335	20.000		0.997	
NEtPFOSAE	1.342	1.171	1.347	1.140	1.095	1.181	1.037	9.188	20.000		0.996	
NEtPFOSA	1.023	0.914	1.082	0.975	0.993	1.025	1.016	4.780	20.000		1.000	
PFDS	0.554	0.487	0.492	0.460	0.538	0.521	0.447	7.334	20.000		0.994	
PFUnDA	1.802	1.498	1.569	1.614	1.475	1.319	N/A	9.493	20.000		0.995	
NEtFOSAA	1.163	1.019	1.195	1.023	1.063	1.151	1.114	5.888	20.000		0.999	
PFDoDA	1.104	0.961	1.040	1.057	1.134	0.947	0.937	7.115	20.000		0.996	
10:2-FTS	1.321	1.042	1.179	1.164	1.139	N/A	N/A	7.668	20.000		0.997	
PFDoS	0.228	0.222	0.247	0.223	0.250	0.243	0.221	5.085	20.000		0.997	
PFTrDA	0.964	0.917	0.915	0.973	1.053	0.856	0.852	7.026	20.000		0.994	
PFTeDA	0.968	0.832	0.912	0.867	0.918	0.782	0.797	7.301	20.000		0.997	
PFHxDA	0.962	0.839	0.892	0.807	0.854	0.720	0.735	9.530	20.000		0.997	
PFODA	0.925	0.864	0.923	0.856	0.990	0.825	0.857	5.918	20.000		0.997	

APPROVED
By MSM at 3:27 pm, 3/27/18

REVIEWED
By ucmr at 12:40 pm, 3/31/18

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18MAR26DCAL **QMethod Name:** SF-PFCMOD-17AUG01
Result Table: 18MAR26DCAL 32 compounds + sec3/27/2018 2:25:29 PM **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name	Sample ID:	Sample File:	Acquisition Date:
ICV	ICVMODX1833B	18MAR26MCAL-34.wiff	3/27/2018 3:58:13 AM

Analyte Name	Analyte Area	Ext Std Name	Ext Std Area	Ext Std Con	Area Ratio	RT (min)	RRT	Spec Amt	Calc Amt	% Diff	% Diff Lim	% Diff OOS
PFBA	501086.1	13C4-PFBA	1549931.5	5.00	0.323	4.37	1.00	2.000	1.933	-3.3	30.0	
PFPeA	483314.4	13C5-PFPeA	1271558.7	5.00	0.380	4.95	1.00	2.000	1.960	-2.0	30.0	
PFBS	224371.6	13C3-PFBS	628796.7	4.65	0.357	5.00	1.00	1.770	1.713	-3.2	30.0	
4:2-FTS	N/A	13C2-4:2-FTS	309067.6	4.67	N/A	N/A	N/A	0.000	N/A		30.0	
PFHxA	761639.4	13C5-PFHxA	2002276.7	5.00	0.380	5.44	1.00	2.000	2.115	5.7	30.0	
PFPeS	N/A	13C3-PFBS	628796.7	4.65	N/A	N/A	N/A	0.000	N/A		30.0	
PFHxS	238474.6	13C3-PFHxS	622401.2	4.73	0.383	5.90	1.00	1.890	1.870	-1.0	30.0	
PFHpA	902330.3	13C4-PFHpA	1936988.6	5.00	0.466	5.91	1.00	2.000	2.264	13.2	30.0	
6:2-FTS	N/A	13C2-6:2-FTS	236494.8	4.75	N/A	N/A	N/A	0.000	N/A		30.0	
PFHpS	198306.2	13C3-PFHxS	622401.2	4.73	0.319	6.33	1.07	1.900	1.713	-9.8	30.0	
PFOA	941114.1	13C8-PFOA	2577384.4	5.00	0.365	6.34	1.00	2.000	1.947	-2.6	30.0	
PFOS	195208.6	13C8-PFOS	529257.0	4.78	0.369	6.72	1.00	1.910	1.770	-7.3	30.0	
PFNA	896716.6	13C9-PFNA	1817497.3	5.00	0.493	6.74	1.00	2.000	2.108	5.4	30.0	
PFOSA	N/A	13C8-PFOSA	1153267.3	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFNS	N/A	13C8-PFOS	529257.0	4.78	N/A	N/A	N/A	0.000	N/A		30.0	
PFDA	791862.6	13C6-PFDA	2260619.0	5.00	0.350	7.10	1.00	2.000	1.953	-2.4	30.0	
8:2-FTS	N/A	13C2-8:2-FTS	280750.8	4.79	N/A	N/A	N/A	0.000	N/A		30.0	
NMePFOSAE	N/A	d7-NMePFOSAE	211807.8	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NMePFOSA	N/A	d3-NMePFOSA	194888.6	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NMeFOSAA	211513.9	d3-NMeFOSAA	500245.4	5.00	0.423	7.28	1.00	2.000	2.045	2.2	30.0	
NEtPFOSAE	N/A	d9-NEtPFOSAE	257500.9	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NEtPFOSA	N/A	d5-NEtPFOSA	166821.7	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFDS	91436.0	13C8-PFOS	529257.0	4.78	0.173	7.39	1.10	1.930	1.724	-10.7	30.0	
PFUnDA	674193.0	13C7-PFUnDA	1094648.4	5.00	0.616	7.43	1.00	2.000	2.206	10.3	30.0	
NEtFOSAA	200144.9	d5-NEtFOSAA	470141.0	5.00	0.426	7.45	1.00	2.000	1.903	-4.8	30.0	
PFDoDA	616026.6	13C2-PFDoDA	1578482.7	5.00	0.390	7.72	1.00	2.000	2.016	0.8	30.0	
10:2-FTS	N/A	13C2-8:2-FTS	280750.8	4.79	N/A	N/A	N/A	0.000	N/A		30.0	
PFDoS	N/A	13C8-PFOS	529257.0	4.78	N/A	N/A	N/A	0.000	N/A		30.0	
PFTrDA	566338.3	13C2-PFDoDA	1578482.7	5.00	0.359	7.99	1.03	2.000	2.034	1.7	30.0	
PFTeDA	589330.7	13C2-PFTeDA	1851474.1	5.00	0.318	8.24	1.00	2.000	1.963	-1.9	30.0	
PFHxDA	N/A	13C2-PFTeDA	1851474.1	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFODA	N/A	13C2-PFTeDA	1851474.1	5.00	N/A	N/A	N/A	0.000	N/A		30.0	

APPROVED
By MSM at 3:27 pm, 3/27/18

REVIEWED
By ucmr at 12:41 pm, 3/31/18

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18MAR30-18.WIFF

Date/Time Analyzed: 03/30/2018 21:32 Lab Sample ID: CCV4_CAL2

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
Perfluorobutanoic acid	0.60	0.61	1.60	±30
Perfluoropentanoic acid	0.60	0.64	5.84	±30
Perfluorobutanesulfonate	0.53	0.53	0.38	±30
4:2 fluorotelomersulfonate	1.98	2.01	1.76	±30
Perfluorohexanoic acid	0.60	0.63	4.39	±30
Perfluoropentanesulfonate	0.56	0.59	4.89	±30
Perfluorohexanesulfonate	0.57	0.54	-5.34	±30
Perfluoroheptanoic acid	0.60	0.67	12.50	±30
6:2 fluorotelomersulfonate	2.09	1.95	-6.58	±30
Perfluoroheptanesulfonate	0.57	0.56	-1.76	±30
Perfluorooctanoic acid	0.60	0.63	4.22	±30
Perfluoro-octanesulfonate	0.57	0.59	2.70	±30
Perfluorononanoic acid	0.60	0.64	7.22	±30
Perfluorooctanesulfonamide	0.60	0.60	0.26	±30
Perfluorononanesulfonate	0.58	0.59	1.25	±30
Perfluorodecanoic acid	0.60	0.61	2.02	±30
8:2 fluorotelomersulfonate	2.11	2.16	2.45	±30
NMePFOSAE	0.60	0.60	0.62	±30
NMePFOSA	0.60	0.58	-2.61	±30
NMeFOSAA	0.60	0.63	4.78	±30

FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18MAR30-18.WIFF

Date/Time Analyzed: 03/30/2018 21:32 Lab Sample ID: CCV4_CAL2

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
NEtPFOSAE	0.60	0.73	21.84	±30
NEtPFOSA	0.60	0.65	8.17	±30
Perfluorodecanesulfonate	0.58	0.59	1.21	±30
Perfluoroundecanoic acid	0.60	0.66	9.19	±30
NEtFOSAA	0.60	0.55	-8.61	±30
Perfluorododecanoic acid	0.60	0.65	8.82	±30
10:2-fluorotelomersulfonate	2.12	2.00	-5.77	±30
Perfluorododecanesulfonate	0.58	0.53	-8.21	±30
Perfluorotridecanoic acid	0.60	0.61	0.84	±30
Perfluorotetradecanoic acid	0.60	0.63	5.59	±30
Perfluorohexadecanoic acid	0.60	0.66	10.16	±30
Perfluorooctadecanoic acid	0.60	0.55	-9.02	±30

* Outside QC Limits.

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18MAR30-31.WIFF

Date/Time Analyzed: 03/31/2018 01:59 Lab Sample ID: CCV5_CAL3

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
Perfluorobutanoic acid	2.00	2.01	0.63	±30
Perfluoropentanoic acid	2.00	2.00	-0.13	±30
Perfluorobutanesulfonate	1.77	1.81	2.10	±30
4:2 fluorotelomersulfonate	4.90	4.71	-3.94	±30
Perfluorohexanoic acid	2.00	2.18	8.92	±30
Perfluoropentanesulfonate	1.88	2.11	12.25	±30
Perfluorohexanesulfonate	1.89	1.90	0.50	±30
Perfluoroheptanoic acid	2.00	2.32	16.14	±30
6:2 fluorotelomersulfonate	5.21	5.75	10.42	±30
Perfluoroheptanesulfonate	1.90	1.86	-2.32	±30
Perfluorooctanoic acid	2.00	2.19	9.53	±30
Perfluoro-octanesulfonate	1.91	1.92	0.40	±30
Perfluorononanoic acid	2.00	2.08	4.15	±30
Perfluorooctanesulfonamide	2.00	2.05	2.43	±30
Perfluorononanesulfonate	1.92	2.13	10.83	±30
Perfluorodecanoic acid	2.00	2.19	9.50	±30
8:2 fluorotelomersulfonate	5.27	5.16	-2.07	±30
NMePFOSAE	2.00	2.19	9.40	±30
NMePFOSA	2.00	1.98	-1.18	±30
NMeFOSAA	2.00	2.16	8.07	±30

FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18MAR30-31.WIFF

Date/Time Analyzed: 03/31/2018 01:59 Lab Sample ID: CCV5_CAL3

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
NEtPFOSAE	2.00	2.61	30.55 *	±30
NEtPFOSA	2.00	2.15	7.72	±30
Perfluorodecanesulfonate	1.93	2.03	5.29	±30
Perfluoroundecanoic acid	2.00	2.32	16.09	±30
NEtFOSAA	2.00	1.88	-5.89	±30
Perfluorododecanoic acid	2.00	2.12	5.82	±30
10:2-fluorotelomersulfonate	5.30	5.32	0.37	±30
Perfluorododecanesulfonate	1.94	2.02	4.11	±30
Perfluorotridecanoic acid	2.00	2.01	0.55	±30
Perfluorotetradecanoic acid	2.00	2.19	9.63	±30
Perfluorohexadecanoic acid	2.00	2.29	14.50	±30
Perfluorooctadecanoic acid	2.00	1.87	-6.30	±30

* Outside QC Limits.

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LC-MS/MS
Sample Run Log

Printed: 4/3/2018 8:43:00 PM
Template: Sample Run Log-17JUL05.docx

Instrument Name: LM24743

Data File Name	Sample ID	Batch No	Analysis Date/Time
18MAR26MCAL-25.wiff	MDL	N/A	3/27/2018 12:53:34 AM
18MAR26MCAL-26.wiff	CAL1	N/A	3/27/2018 1:14:04 AM
18MAR26MCAL-27.wiff	CAL2	N/A	3/27/2018 1:34:37 AM
18MAR26MCAL-28.wiff	CAL3	N/A	3/27/2018 1:55:10 AM
18MAR26MCAL-29.wiff	CAL4	N/A	3/27/2018 2:15:40 AM
18MAR26MCAL-30.wiff	CAL5	N/A	3/27/2018 2:36:10 AM
18MAR26MCAL-31.wiff	CAL6	N/A	3/27/2018 2:56:40 AM
18MAR26MCAL-32.wiff	CAL7	N/A	3/27/2018 3:17:10 AM
18MAR26MCAL-33.wiff	Instrument Blank	N/A	3/27/2018 3:37:40 AM
18MAR26MCAL-34.wiff	ICV	N/A	3/27/2018 3:58:13 AM
18MAR26MCAL-35.wiff	L+B CAL3	N/A	3/27/2018 4:18:46 AM
18MAR26MCAL-36.wiff	CCV1_CAL3	N/A	3/27/2018 4:39:19 AM
18APR02-01.wiff	CCV1_CAL1	N/A	4/2/2018 8:24:08 AM
18APR02-02.wiff	Instrument Blank	N/A	4/2/2018 8:44:41 AM
18APR02-03.wiff	solvent	N/A	4/2/2018 9:05:14 AM
18APR02-04.wiff	solvent	N/A	4/2/2018 9:20:47 AM
18APR02-05.wiff	solvent	N/A	4/2/2018 9:36:20 AM
18APR02-06.wiff	solvent	N/A	4/2/2018 9:51:53 AM
18APR02-07.wiff	solvent	N/A	4/2/2018 10:07:23 AM
18APR02-08.wiff	CCV2_CAL1	N/A	4/2/2018 10:22:56 AM
18APR02-09.wiff	Instrument Blank	N/A	4/2/2018 10:43:29 AM
18APR02-10.wiff	9509928DL	18078015	4/2/2018 11:04:02 AM
18APR02-11.wiff	9509929DL	18078015	4/2/2018 11:24:32 AM
18APR02-12.wiff	9509930RE	18078015	4/2/2018 11:45:02 AM
18APR02-13.wiff	9509988DL	18080005	4/2/2018 12:05:32 PM
18APR02-14.wiff	9509938RE	18081006	4/2/2018 12:26:05 PM
18APR02-15.wiff	9509940RE	18081006	4/2/2018 12:46:35 PM
18APR02-16.wiff	CCV3_CAL2	N/A	4/2/2018 1:07:08 PM
18APR02-17.wiff	solvent	N/A	4/2/2018 1:27:41 PM
18APR02-18.wiff	LCS079015	18079015	4/2/2018 1:48:14 PM
18APR02-19.wiff	LCSDA	18079015	4/2/2018 2:08:47 PM
18APR02-20.wiff	solvent	N/A	4/2/2018 2:29:21 PM
18APR02-21.wiff	BLK079015	18079015	4/2/2018 2:49:54 PM
18APR02-22.wiff	9509451	18079015	4/2/2018 3:10:27 PM
18APR02-23.wiff	9509456	18079015	4/2/2018 3:31:00 PM
18APR02-24.wiff	9509930DL	18078015	4/2/2018 3:51:30 PM
18APR02-25.wiff	CCV4_CAL3	N/A	4/2/2018 4:12:03 PM
18APR02-26.wiff	Instrument Blank	N/A	4/2/2018 4:32:33 PM
18APR02-27.wiff	LCS079015	18079015	4/2/2018 4:53:06 PM
18APR02-28.wiff	LCSDA	18079015	4/2/2018 5:13:39 PM
18APR02-29.wiff	solvent	N/A	4/2/2018 5:34:12 PM
18APR02-30.wiff	BLK079015	18079015	4/2/2018 5:54:42 PM
18APR02-31.wiff	9509451	18079015	4/2/2018 6:15:15 PM
18APR02-32.wiff	9509456	18079015	4/2/2018 6:35:48 PM
18APR02-33.wiff	CCV5_CAL1	N/A	4/2/2018 6:56:21 PM
18APR02-34.wiff	solvent	N/A	4/2/2018 7:16:51 PM

20 mM Ammonium Acetate in H2O: 782403281833A
Methanol: DT632-US

APPROVED
By MCD at 8:43 pm, 4/3/18

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR02-08.WIFF

Date/Time Analyzed: 04/02/2018 10:22 Lab Sample ID: CCV2_CAL1

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
Perfluorobutanoic acid	0.20	0.24	19.59	±30
Perfluoropentanoic acid	0.20	0.25	27.38	±30
Perfluorobutanesulfonate	0.17	0.19	12.91	±30
4:2 fluorotelomersulfonate	0.58	0.59	1.06	±30
Perfluorohexanoic acid	0.20	0.24	19.94	±30
Perfluoropentanesulfonate	0.19	0.22	17.14	±30
Perfluorohexanesulfonate	0.19	0.22	16.70	±30
Perfluoroheptanoic acid	0.20	0.25	24.18	±30
6:2 fluorotelomersulfonate	1.30	1.41	8.41	±30
Perfluoroheptanesulfonate	0.19	0.21	12.93	±30
Perfluorooctanoic acid	0.20	0.24	22.07	±30
Perfluoro-octanesulfonate	0.19	0.21	12.81	±30
Perfluorononanoic acid	0.20	0.22	12.19	±30
Perfluorooctanesulfonamide	0.20	0.19	-2.99	±30
Perfluorononanesulfonate	0.19	0.21	9.49	±30
Perfluorodecanoic acid	0.20	0.23	17.25	±30
8:2 fluorotelomersulfonate	1.32	1.53	15.72	±30
NMePFOSAE	0.20	0.26	27.75	±30
NMePFOSA	0.20	0.23	12.69	±30
NMeFOSAA	0.20	0.22	9.13	±30

FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR02-08.WIFF

Date/Time Analyzed: 04/02/2018 10:22 Lab Sample ID: CCV2_CAL1

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
NEtPFOSAE	0.20	0.23	16.15	±30
NEtPFOSA	0.20	0.19	-4.69	±30
Perfluorodecanesulfonate	0.19	0.24	27.97	±30
Perfluoroundecanoic acid	0.20	0.23	14.34	±30
NEtFOSAA	0.20	0.22	7.75	±30
Perfluorododecanoic acid	0.20	0.21	4.03	±30
10:2-fluorotelomersulfonate	1.33	1.39	4.23	±30
Perfluorododecanesulfonate	0.19	0.18	-2.94	±30
Perfluorotridecanoic acid	0.20	0.21	4.46	±30
Perfluorotetradecanoic acid	0.20	0.24	17.67	±30
Perfluorohexadecanoic acid	0.20	0.23	16.21	±30
Perfluorooctadecanoic acid	0.20	0.15	-25.69	±30

* Outside QC Limits.

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR02-16.WIFF

Date/Time Analyzed: 04/02/2018 13:07 Lab Sample ID: CCV3_CAL2

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
Perfluorobutanoic acid	0.60	0.62	3.82	±30
Perfluoropentanoic acid	0.60	0.63	4.21	±30
Perfluorobutanesulfonate	0.53	0.53	0.65	±30
4:2 fluorotelomersulfonate	1.98	2.20	10.99	±30
Perfluorohexanoic acid	0.60	0.67	11.85	±30
Perfluoropentanesulfonate	0.56	0.60	6.73	±30
Perfluorohexanesulfonate	0.57	0.57	0.61	±30
Perfluoroheptanoic acid	0.60	0.73	21.55	±30
6:2 fluorotelomersulfonate	2.09	2.11	0.90	±30
Perfluoroheptanesulfonate	0.57	0.55	-3.67	±30
Perfluorooctanoic acid	0.60	0.67	11.17	±30
Perfluoro-octanesulfonate	0.57	0.60	4.72	±30
Perfluorononanoic acid	0.60	0.65	8.38	±30
Perfluorooctanesulfonamide	0.60	0.61	1.57	±30
Perfluorononanesulfonate	0.58	0.64	10.75	±30
Perfluorodecanoic acid	0.60	0.67	11.43	±30
8:2 fluorotelomersulfonate	2.11	2.06	-2.47	±30
NMePFOSAE	0.60	0.67	10.89	±30
NMePFOSA	0.60	0.59	-1.39	±30
NMeFOSAA	0.60	0.64	6.66	±30

FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR02-16.WIFF

Date/Time Analyzed: 04/02/2018 13:07 Lab Sample ID: CCV3_CAL2

Init. Calib. Date/Times: 03/27/2018 01:14 03/27/2018 03:17

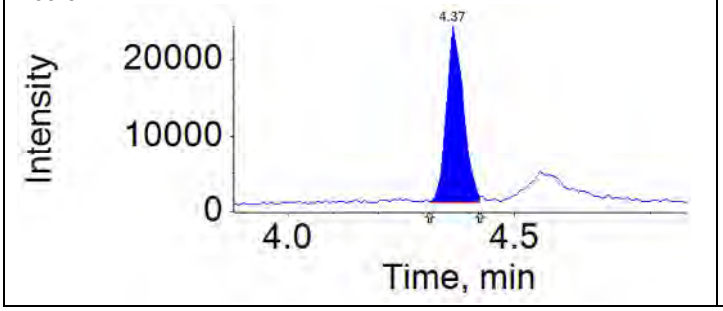
Analytes	Specified Amount	Calculated Amount	% Difference	Limit
NEtPFOSAE	0.60	0.64	7.35	±30
NEtPFOSA	0.60	0.63	5.07	±30
Perfluorodecanesulfonate	0.58	0.60	2.74	±30
Perfluoroundecanoic acid	0.60	0.66	10.07	±30
NEtFOSAA	0.60	0.65	8.29	±30
Perfluorododecanoic acid	0.60	0.67	11.21	±30
10:2-fluorotelomersulfonate	2.12	2.12	-0.11	±30
Perfluorododecanesulfonate	0.58	0.56	-3.03	±30
Perfluorotridecanoic acid	0.60	0.58	-3.82	±30
Perfluorotetradecanoic acid	0.60	0.62	2.79	±30
Perfluorohexadecanoic acid	0.60	0.63	5.09	±30
Perfluorooctadecanoic acid	0.60	0.53	-12.14	±30

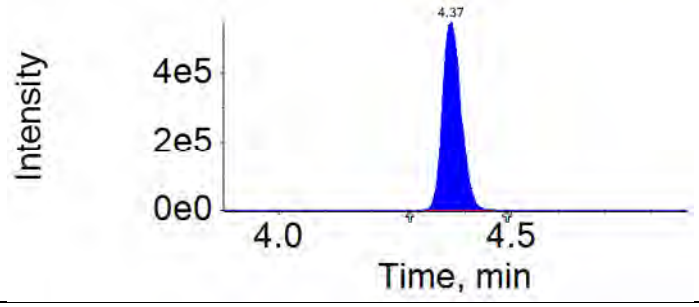
* Outside QC Limits.

ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

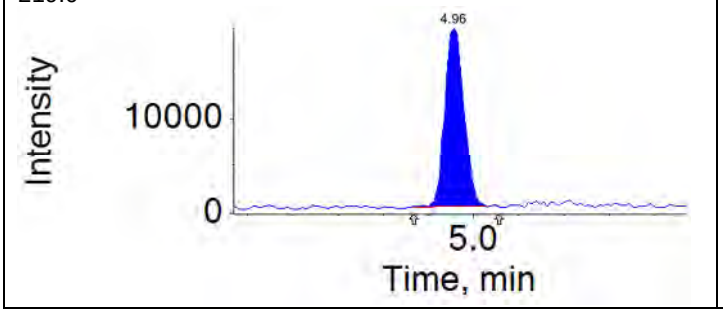
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

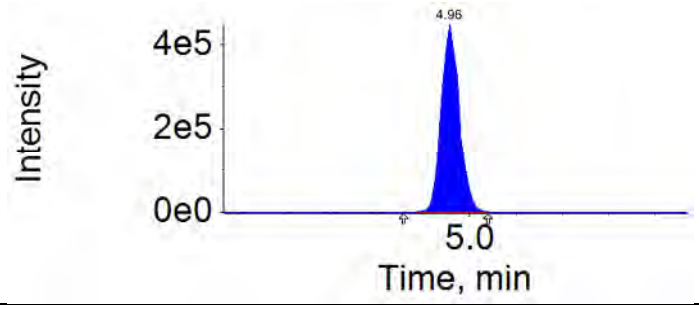
Analyte: PFBA	Extraction Standard: 13C4-PFBA
213.0 / 169.0	217.0 / 172.0



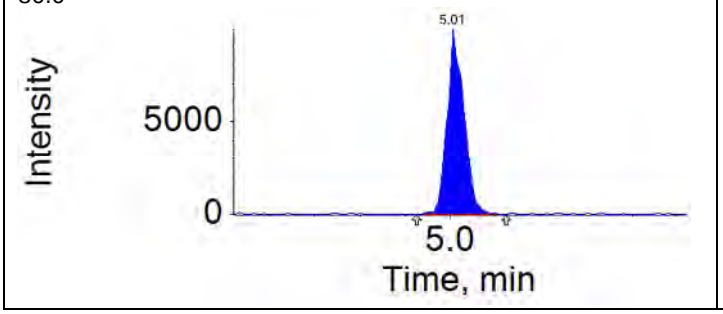


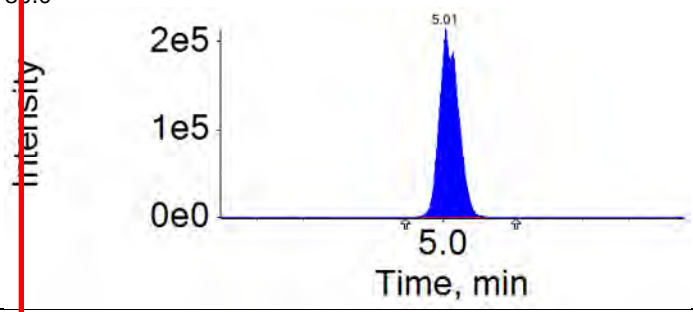
Analyte: PFPeA	Extraction Standard: 13C5-PFPeA
263.0 / 219.0	268.0 / 223.0





Analyte: PFBS	Extraction Standard: 13C3-PFBS
299.0 / 80.0	302.0 / 80.0





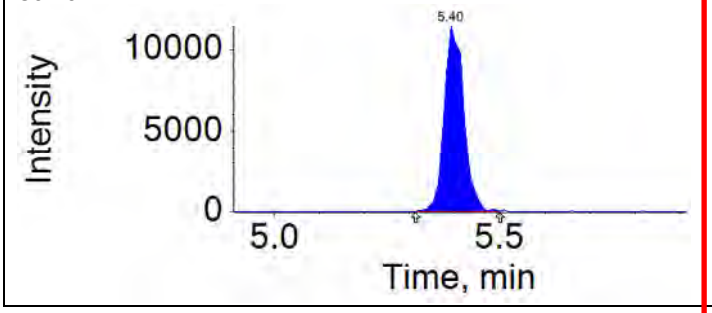
APPROVED
By MSM at 3:26 pm, 3/27/18

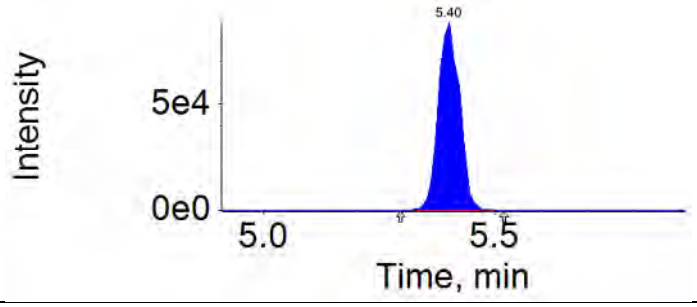
REVIEWED
By ucmr at 12:37 pm, 3/31/18

ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

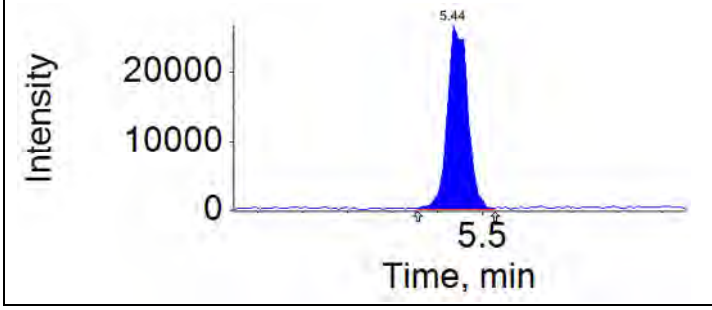
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

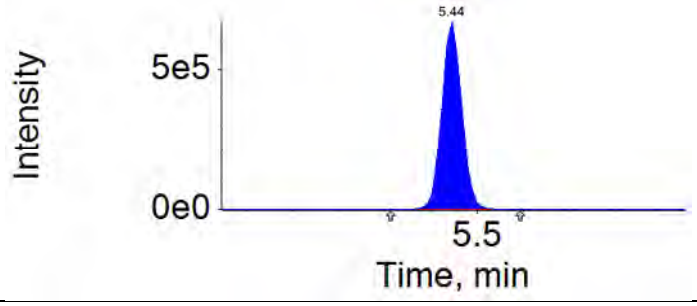
Analyte: 4:2-FTS	Extraction Standard: 13C2-4:2-FTS
327.0 / 307.0	329.0 / 309.0



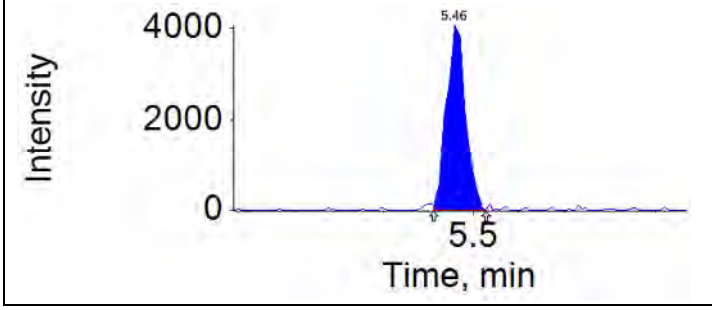


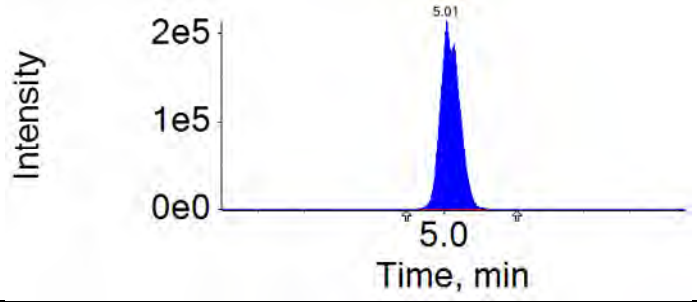
Analyte: PFHxA	Extraction Standard: 13C5-PFHxA
313.0 / 269.0	318.0 / 273.0





Analyte: PFPeS	Extraction Standard: 13C3-PFBS
349.0 / 80.0	302.0 / 80.0





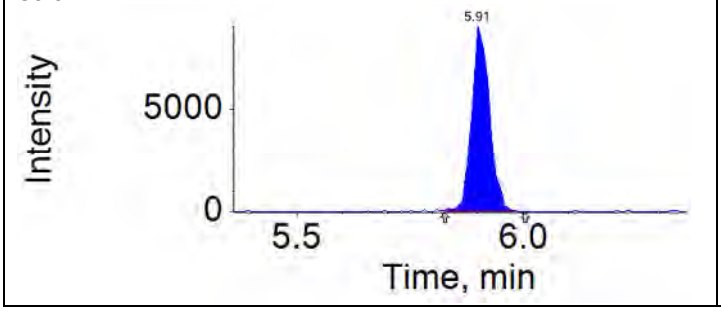
APPROVED
By MSM at 3:26 pm, 3/27/18

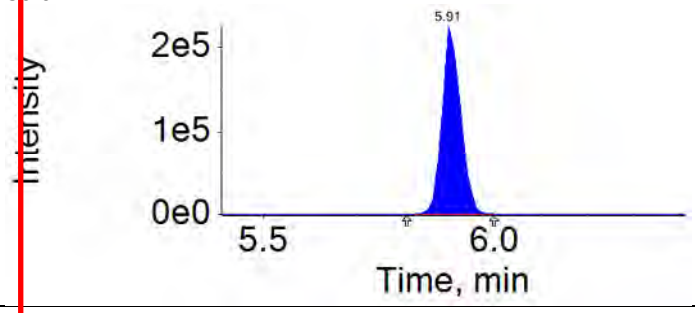
REVIEWED
By ucmr at 12:37 pm, 3/31/18

ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

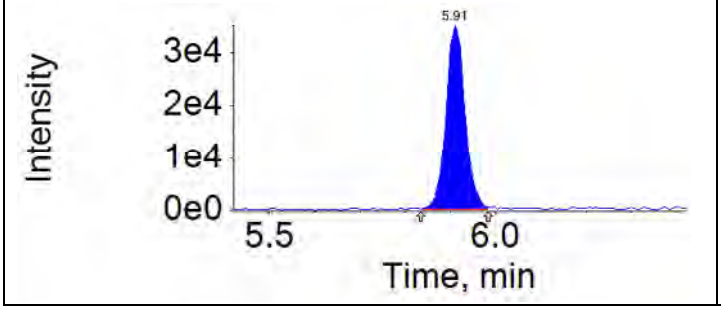
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

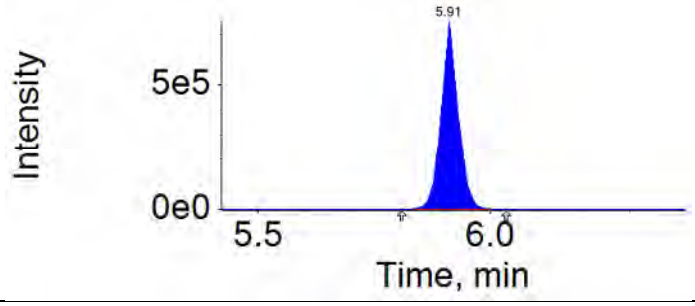
Analyte: PFHxS	Extraction Standard: 13C3-PFHxS
399.0 / 80.0	402.0 / 80.0



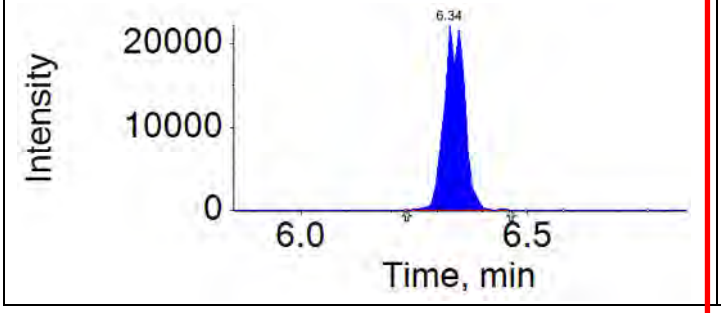


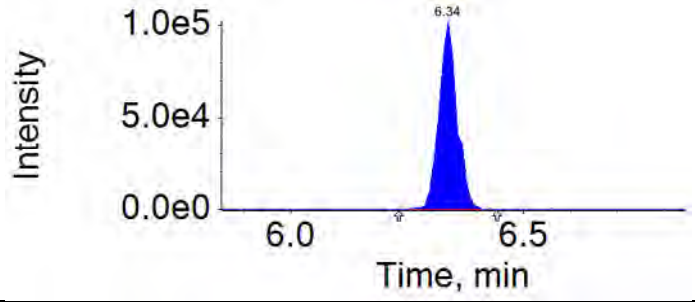
Analyte: PFHpA	Extraction Standard: 13C4-PFHpA
363.0 / 319.0	367.0 / 322.0





Analyte: 6:2-FTS	Extraction Standard: 13C2-6:2-FTS
427.0 / 407.0	429.0 / 409.0





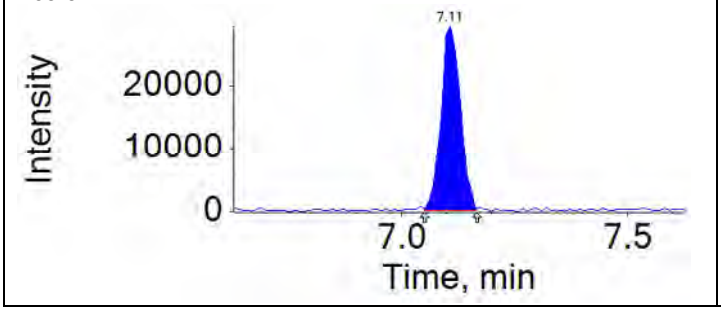
APPROVED
By MSM at 3:26 pm, 3/27/18

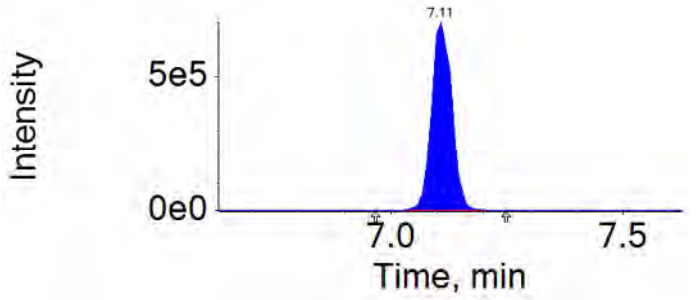
REVIEWED
By ucmr at 12:37 pm, 3/31/18

ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

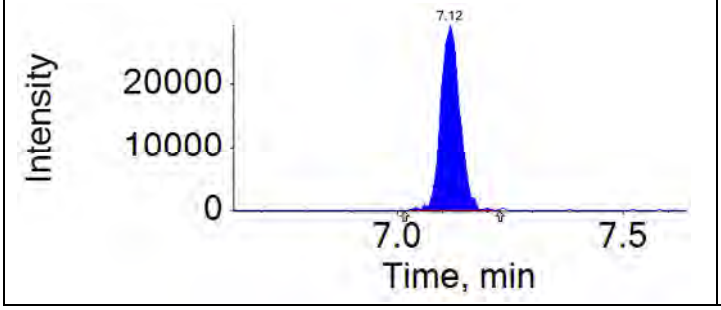
QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

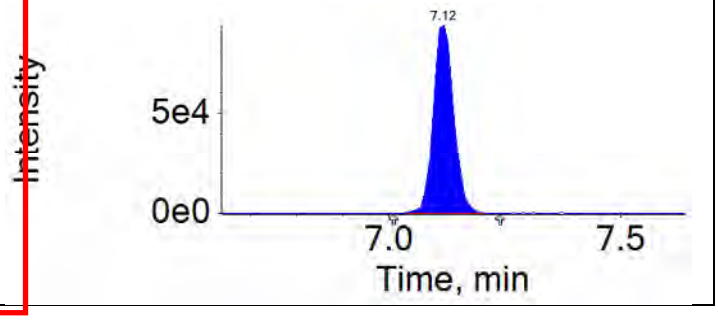
Analyte: PFDA	Extraction Standard: 13C6-PFDA
513.0 / 469.0	519.0 / 474.0



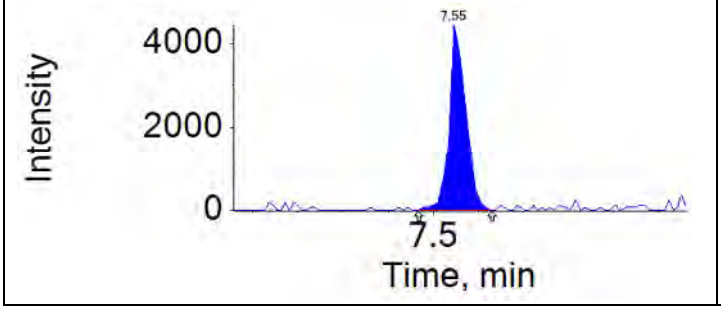


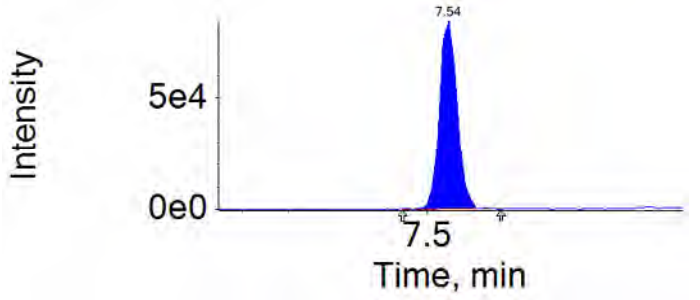
Analyte: 8:2-FTS	Extraction Standard: 13C2-8:2-FTS
527.0 / 507.0	529.0 / 509.0





Analyte: NMePFOSAE	Extraction Standard: d7-NMePFOSAE
616.0 / 59.0	623.0 / 59.0





APPROVED
By MSM at 3:26 pm, 3/27/18

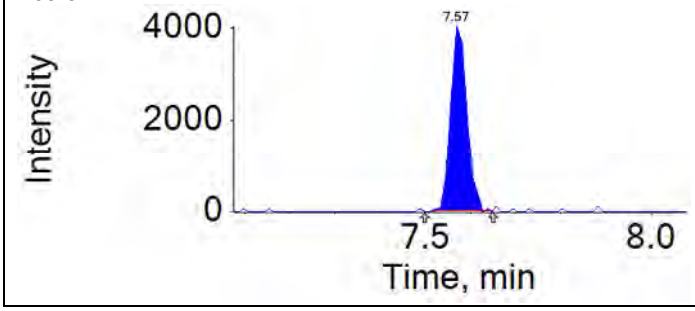
REVIEWED
By ucmr at 12:37 pm, 3/31/18

ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

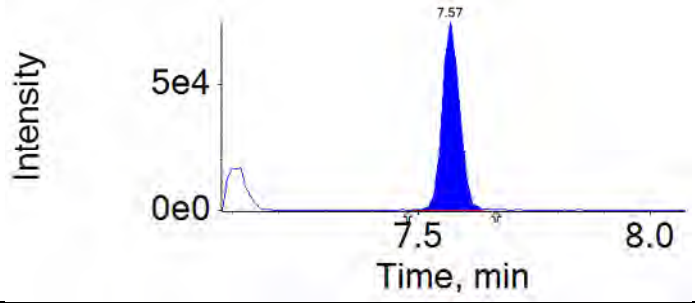
Analyte: NMePFOSA

512.0 / 169.0



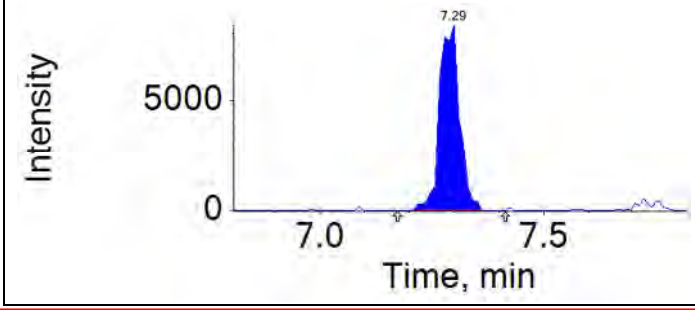
Extraction Standard: d3-NMePFOSA

515.0 / 169.0



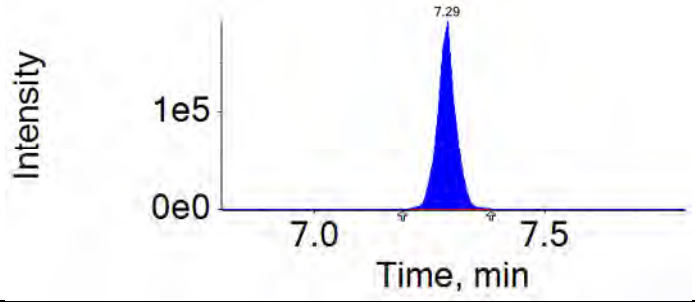
Analyte: NMeFOSAA

570.0 / 419.0



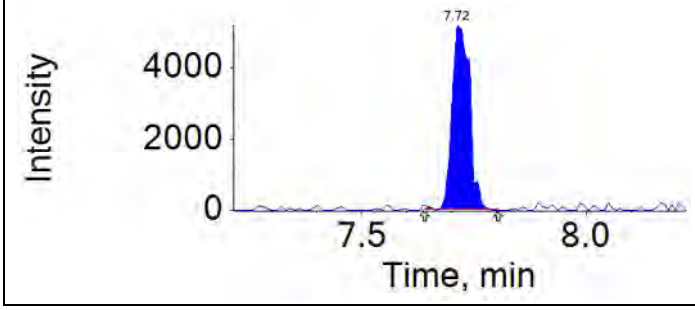
Extraction Standard: d3-NMeFOSAA

573.0 / 419.0



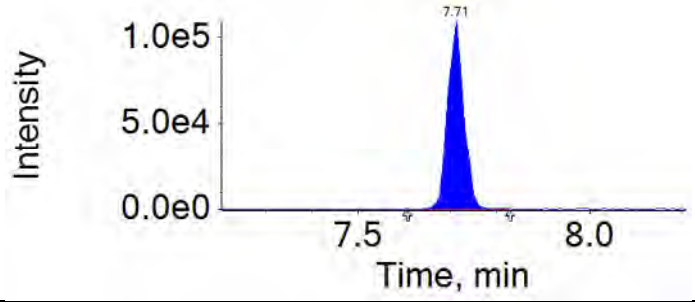
Analyte: NEtPFOSAE

630.0 / 59.0



Extraction Standard: d9-NEtPFOSAE

639.0 / 59.0



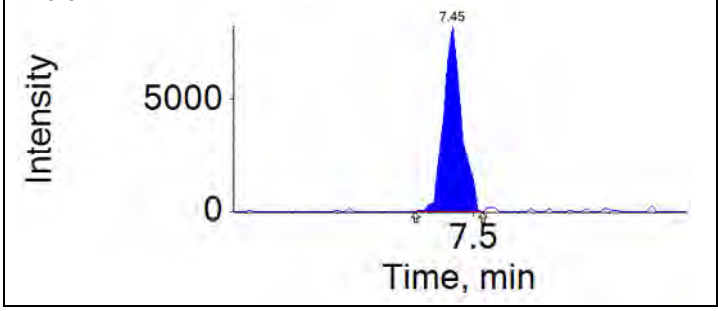
APPROVED
By MSM at 3:26 pm, 3/27/18

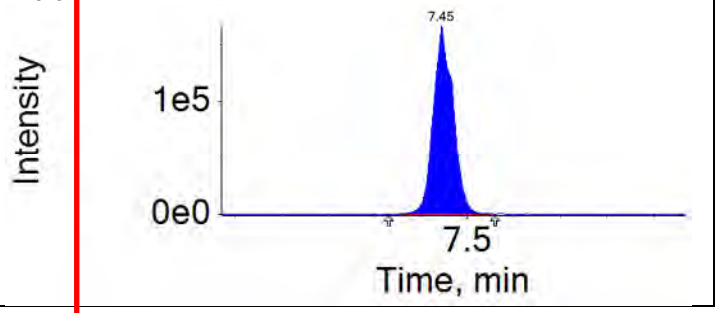
REVIEWED
By ucmr at 12:37 pm, 3/31/18

ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

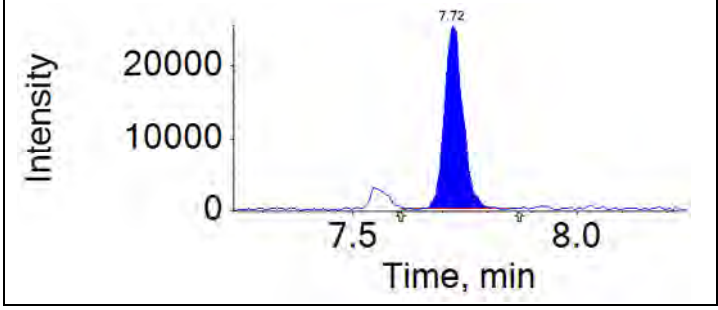
QMethod Name: SE-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

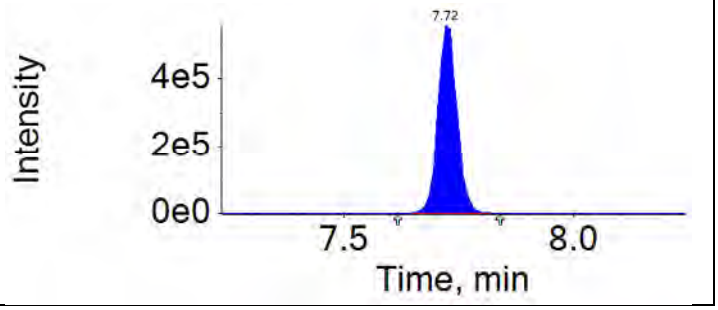
Analyte: NEtFOSAA	Extraction Standard: d5-NEtFOSAA
584.0 / 419.0	589.0 / 419.0



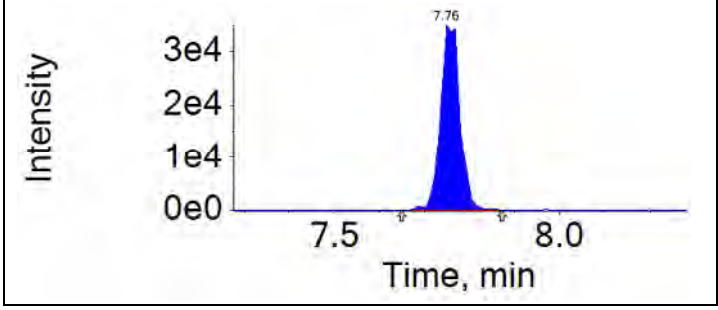


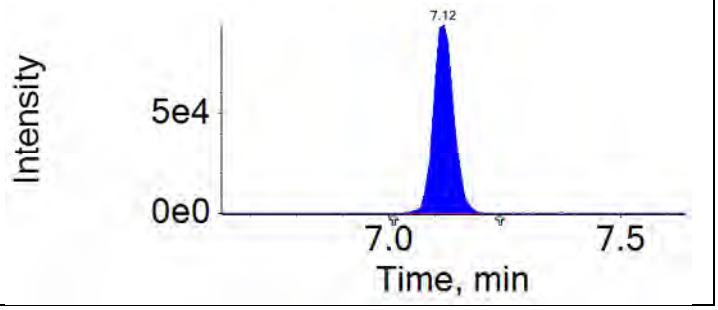
Analyte: PFDoDA	Extraction Standard: 13C2-PFDoDA
613.0 / 569.0	615.0 / 570.0





Analyte: 10:2-FTS	Extraction Standard: 13C2-8:2-FTS
627.0 / 607.0	529.0 / 509.0



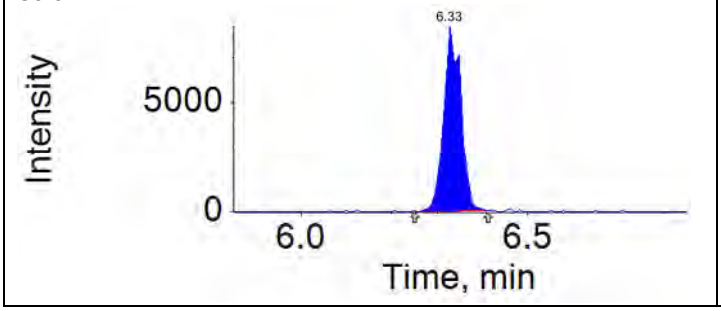


ICAL Name: 18MAR26DCAL **Result Table:** 18MAR26DCAL 32 compounds + sec 3/27/2018 2:25:29 PM

QMethod Name: SF-PFCMOD-17AUG01 **Acquisition Method:** PFC-32-18MAR26.dam

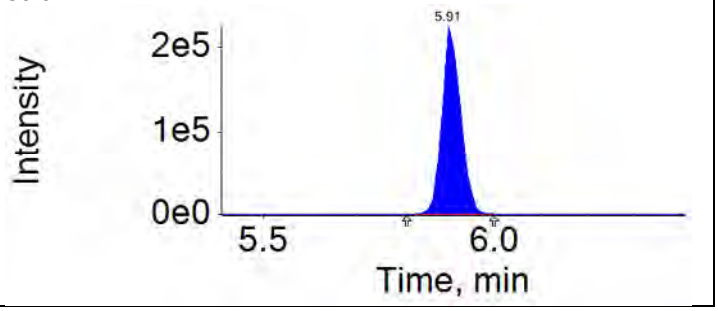
Analyte: PFHpS

449.0 / 80.0



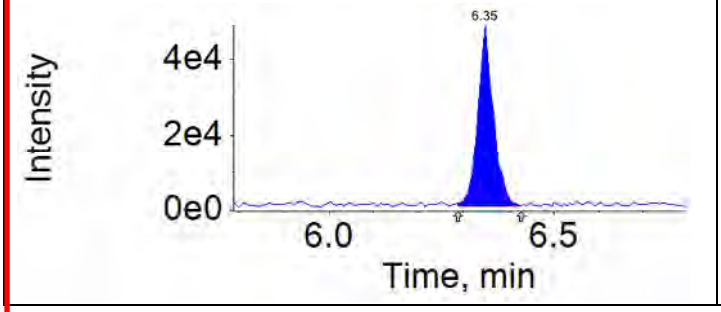
Extraction Standard: 13C3-PFHxS

402.0 / 80.0



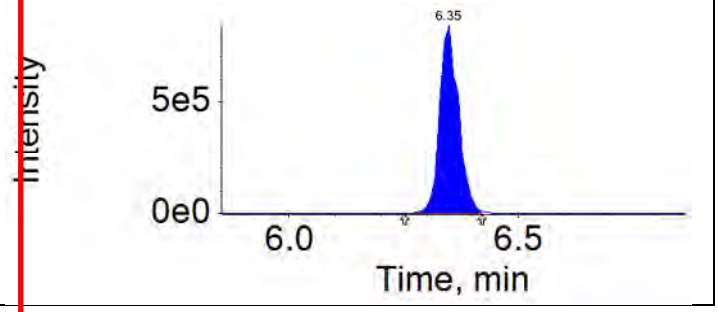
Analyte: PFOA

413.0 / 369.0



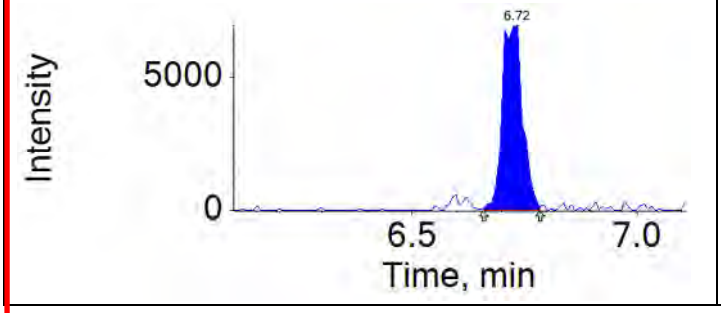
Extraction Standard: 13C8-PFOA

421.0 / 376.0



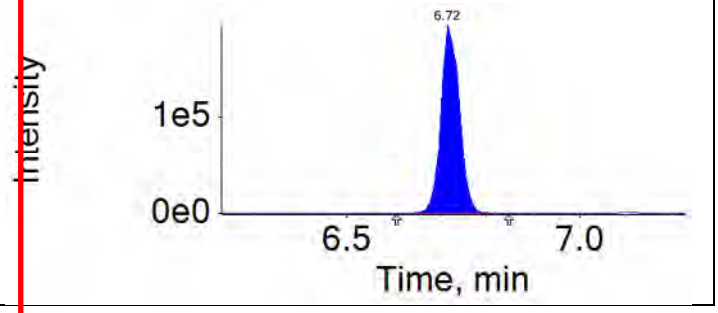
Analyte: PFOS

499.0 / 80.0



Extraction Standard: 13C8-PFOS

507.0 / 80.0



APPROVED
By MSM at 3:26 pm, 3/27/18

REVIEWED
By ucmr at 12:37 pm, 3/31/18

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LC-MS/MS
Sample Run Log

Printed: 4/4/2018 7:30:00 PM
Template: Sample Run Log-17JUL05.docx

Instrument Name: LM24743

Data File Name	Sample ID	Batch No	Analysis Date/Time
18APR03MCAL-09.wiff	MDL	N/A	4/3/2018 5:30:13 PM
18APR03MCAL-10.wiff	CAL1	N/A	4/3/2018 5:45:46 PM
18APR03MCAL-11.wiff	CAL2	N/A	4/3/2018 6:01:16 PM
18APR03MCAL-12.wiff	CAL3	N/A	4/3/2018 6:16:46 PM
18APR03MCAL-13.wiff	CAL4	N/A	4/3/2018 6:32:19 PM
18APR03MCAL-14.wiff	CAL5	N/A	4/3/2018 6:47:49 PM
18APR03MCAL-15.wiff	CAL6	N/A	4/3/2018 7:03:19 PM
18APR03MCAL-16.wiff	CAL7	N/A	4/3/2018 7:18:49 PM
18APR03MCAL-17.wiff	Instrument Blank	N/A	4/3/2018 7:34:19 PM
18APR03MCAL-18.wiff	ICV	N/A	4/3/2018 7:49:49 PM
18APR03MCAL-19.wiff	L+B CAL3	N/A	4/3/2018 8:05:22 PM
18APR03MCAL-20.wiff	CCV1_CAL3	N/A	4/3/2018 8:20:55 PM
18APR03-01.wiff	solvent	N/A	4/3/2018 9:09:02 PM
18APR03-02.wiff	solvent	N/A	4/3/2018 9:24:37 PM
18APR03-03.wiff	solvent	N/A	4/3/2018 9:40:10 PM
18APR03-04.wiff	solvent	N/A	4/3/2018 9:55:43 PM
18APR03-05.wiff	CCV1_CAL1	N/A	4/3/2018 10:11:13 PM
18APR03-06.wiff	Instrument Blank	N/A	4/3/2018 10:37:52 PM
18APR03-07.wiff	9509454	18078004	4/3/2018 10:53:28 PM
18APR03-08.wiff	9509455	18078004	4/3/2018 11:09:01 PM
18APR03-09.wiff	9509457	18078004	4/3/2018 11:24:34 PM
18APR03-10.wiff	9509943	18078004	4/3/2018 11:40:07 PM
18APR03-11.wiff	9509944	18078004	4/3/2018 11:55:40 PM
18APR03-12.wiff	9509945	18078004	4/4/2018 12:11:11 AM
18APR03-13.wiff	9509956	18078004	4/4/2018 12:26:41 AM
18APR03-14.wiff	9509957	18078004	4/4/2018 12:42:11 AM
18APR03-15.wiff	9509958	18078004	4/4/2018 12:57:41 AM
18APR03-16.wiff	CCV2_CAL2	N/A	4/4/2018 1:13:11 AM
18APR03-17.wiff	solvent	N/A	4/4/2018 1:28:41 AM
18APR03-18.wiff	9509937DL	18081006	4/4/2018 1:44:14 AM
18APR03-19.wiff	9509938DL	18081006	4/4/2018 1:59:47 AM
18APR03-20.wiff	9509948DL	18081006	4/4/2018 2:15:20 AM
18APR03-21.wiff	9509949DL	18081006	4/4/2018 2:30:53 AM
18APR03-22.wiff	9494325DL2	18073004	4/4/2018 2:46:23 AM
18APR03-23.wiff	9509988DL	18080005	4/4/2018 3:01:56 AM
18APR03-24.wiff	CCV3_CAL3	N/A	4/4/2018 3:17:29 AM
18APR03-25.wiff	solvent	N/A	4/4/2018 3:33:02 AM
18APR03-26.wiff	CCV4_CAL3	N/A	4/4/2018 3:48:35 AM
18APR03-27.wiff	solvent	N/A	4/4/2018 4:04:08 AM
18APR03-28.wiff	LCS091001	18091001	4/4/2018 4:19:41 AM
18APR03-29.wiff	LCSDA	18091001	4/4/2018 4:35:17 AM
18APR03-30.wiff	solvent	N/A	4/4/2018 4:50:50 AM
18APR03-31.wiff	BLK091001	18091001	4/4/2018 5:06:23 AM
18APR03-32.wiff	9536024	18091001	4/4/2018 5:21:53 AM
18APR03-33.wiff	9536024DL	18091001	4/4/2018 5:37:23 AM
18APR03-34.wiff	9536025	18091001	4/4/2018 5:52:53 AM
18APR03-35.wiff	9536025DL	18091001	4/4/2018 6:08:23 AM
18APR03-36.wiff	9536026	18091001	4/4/2018 6:23:53 AM
18APR03-37.wiff	9536026DL	18091001	4/4/2018 6:39:26 AM
18APR03-38.wiff	9536027	18091001	4/4/2018 6:54:59 AM
18APR03-39.wiff	CCV5_CAL4	N/A	4/4/2018 7:10:32 AM
18APR03-40.wiff	solvent	N/A	4/4/2018 7:26:02 AM
18APR03-41.wiff	9536028	18091001	4/4/2018 7:41:35 AM
18APR03-42.wiff	9536028DL	18091001	4/4/2018 7:57:06 AM
18APR03-43.wiff	9536029	18091001	4/4/2018 8:12:39 AM
18APR03-44.wiff	9536030	18091001	4/4/2018 8:28:12 AM
18APR03-45.wiff	9536031	18091001	4/4/2018 8:43:45 AM

APPROVED
By MCD at 7:30 pm, 4/4/18

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FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Lab File Names: CAL1= 18APR03MCAL-10.WIFF; CAL2= 18APR03MCAL-11.WIFF; CAL3= 18APR03MCAL-12.WIFF;
CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

Perfluorobutanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.040	0.20	0.236	18.0	±30
CAL2	0.104	0.60	0.620	3.4	±30
CAL3	0.354	2.00	2.107	5.3	±30
CAL4	1.406	8.00	8.364	4.6	±30
CAL5	3.723	20.00	22.155	10.8	±30
CAL6	8.329	50.00	49.559	-0.9	±30
CAL7	16.430	100.00	97.759	-2.2	±30

Perfluoropentanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.050	0.20	0.243	21.7	±30
CAL2	0.128	0.60	0.625	4.2	±30
CAL3	0.424	2.00	2.073	3.6	±30
CAL4	1.755	8.00	8.584	7.3	±30
CAL5	4.641	20.00	22.698	13.5	±30
CAL6	10.070	50.00	49.250	-1.5	±30
CAL7	19.900	100.00	97.327	-2.7	±30

Perfluorobutanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.041	0.17	0.200	17.7	±30
CAL2	0.109	0.53	0.534	0.7	±30
CAL3	0.368	1.77	1.802	1.8	±30
CAL4	1.534	7.08	7.521	6.2	±30
CAL5	3.588	17.69	17.592	-0.6	±30
CAL6	8.737	44.22	42.833	-3.1	±30
CAL7	18.240	88.45	89.428	1.1	±30

4:2 fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.120	0.58	0.680	17.2	±30
CAL2	0.365	1.98	2.065	4.3	±30
CAL3	0.966	4.90	5.461	11.5	±30
CAL4	1.668	10.04	9.427	-6.1	±30
CAL5	2.187	12.49	12.358	-1.1	±30

FORM 06
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CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

Perfluorohexanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.040	0.20	0.216	8.2	±30
CAL2	0.113	0.60	0.610	1.7	±30
CAL3	0.383	2.00	2.075	3.7	±30
CAL4	1.583	8.00	8.574	7.2	±30
CAL5	4.328	20.00	23.448	17.2	±30
CAL6	9.215	50.00	49.922	-0.2	±30
CAL7	17.712	100.00	95.955	-4.0	±30

Perfluoropentanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.023	0.19	0.237	24.7	±30
CAL2	0.053	0.56	0.543	-3.0	±30
CAL3	0.192	1.88	1.960	4.2	±30
CAL4	0.800	7.50	8.171	8.9	±30
CAL5	2.030	18.76	20.742	10.6	±30
CAL6	4.441	46.90	45.377	-3.2	±30
CAL7	9.060	93.80	92.560	-1.3	±30

Perfluorohexanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.041	0.19	0.193	1.7	±30
CAL2	0.123	0.57	0.585	2.7	±30
CAL3	0.401	1.89	1.900	0.6	±30
CAL4	1.655	7.56	7.853	3.9	±30
CAL5	4.442	18.91	21.073	11.4	±30
CAL6	9.646	47.28	45.764	-3.2	±30
CAL7	19.725	94.55	93.581	-1.0	±30

Perfluoroheptanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.051	0.20	0.241	20.3	±30
CAL2	0.147	0.60	0.698	16.3	±30
CAL3	0.492	2.00	2.335	16.7	±30
CAL4	1.907	8.00	9.049	13.1	±30
CAL5	5.047	20.00	23.957	19.8	±30
CAL6	10.582	50.00	50.225	0.5	±30
CAL7	19.866	100.00	94.295	-5.7	±30

FORM 06
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SDG No.: ETT60

Instrument ID: 24743

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CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

6:2 fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.261	1.30	1.372	5.5	±30
CAL2	0.443	2.09	2.331	11.5	±30
CAL3	1.071	5.21	5.632	8.1	±30
CAL4	1.990	10.43	10.465	0.3	±30
CAL5	2.334	13.04	12.270	-5.9	±30

Perfluoroheptanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.036	0.19	0.196	3.2	±30
CAL2	0.106	0.57	0.578	1.5	±30
CAL3	0.323	1.90	1.767	-7.0	±30
CAL4	1.428	7.61	7.811	2.6	±30
CAL5	3.721	19.03	20.357	7.0	±30
CAL6	8.244	47.58	45.107	-5.2	±30
CAL7	17.585	95.15	96.214	1.1	±30

Perfluorooctanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.046	0.20	0.250	25.0	±30
CAL2	0.122	0.60	0.660	10.0	±30
CAL3	0.359	2.00	1.939	-3.1	±30
CAL4	1.601	8.00	8.642	8.0	±30
CAL5	3.992	20.00	21.554	7.8	±30
CAL6	8.845	50.00	47.755	-4.5	±30
CAL7	16.655	100.00	89.923	-10.1	±30

Perfluoro-octanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.046	0.19	0.226	19.2	±30
CAL2	0.119	0.57	0.583	2.3	±30
CAL3	0.400	1.91	1.969	3.1	±30
CAL4	1.593	7.65	7.839	2.5	±30
CAL5	4.357	19.12	21.438	12.1	±30
CAL6	9.387	47.80	46.184	-3.4	±30
CAL7	19.227	95.60	94.600	-1.0	±30

FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

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Lab File Names: CAL1= 18APR03MCAL-10.WIFF; CAL2= 18APR03MCAL-11.WIFF; CAL3= 18APR03MCAL-12.WIFF;
CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

Perfluorononanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.054	0.20	0.232	16.2	±30
CAL2	0.143	0.60	0.609	1.6	±30
CAL3	0.504	2.00	2.152	7.6	±30
CAL4	2.027	8.00	8.659	8.2	±30
CAL5	5.219	20.00	22.293	11.5	±30
CAL6	10.968	50.00	46.855	-6.3	±30
CAL7	19.567	100.00	83.589	-16.4	±30

Perfluorooctanesulfonamide	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.043	0.20	0.228	13.9	±30
CAL2	0.116	0.60	0.613	2.1	±30
CAL3	0.409	2.00	2.151	7.5	±30
CAL4	1.473	8.00	7.748	-3.1	±30
CAL5	1.870	10.00	9.834	-1.7	±30
CAL6	9.344	50.00	49.150	-1.7	±30
CAL7	19.215	100.00	101.076	1.1	±30

Perfluorononanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.032	0.19	0.232	22.1	±30
CAL2	0.082	0.58	0.586	1.0	±30
CAL3	0.267	1.92	1.911	-0.5	±30
CAL4	1.118	7.68	7.991	4.1	±30
CAL5	2.911	19.20	20.804	8.4	±30
CAL6	6.831	48.00	48.816	1.7	±30
CAL7	13.046	96.00	93.230	-2.9	±30

Perfluorodecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.045	0.20	0.259	29.3	±30
CAL2	0.108	0.60	0.616	2.7	±30
CAL3	0.399	2.00	2.285	14.3	±30
CAL4	1.481	8.00	8.482	6.0	±30
CAL5	4.138	20.00	23.698	18.5	±30
CAL6	8.554	50.00	48.987	-2.0	±30
CAL7	16.846	100.00	96.473	-3.5	±30

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FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

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Lab File Names: CAL1= 18APR03MCAL-10.WIFF; CAL2= 18APR03MCAL-11.WIFF; CAL3= 18APR03MCAL-12.WIFF;
CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

8:2 fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.282	1.32	1.442	9.2	±30
CAL2	0.471	2.11	2.407	14.1	±30
CAL3	1.154	5.27	5.897	11.9	±30
CAL4	2.074	10.54	10.597	0.5	±30
CAL5	2.362	13.17	12.066	-8.4	±30

NMePFOSAE	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.049	0.20	0.211	5.5	±30
CAL2	0.157	0.60	0.676	12.7	±30
CAL3	0.549	2.00	2.360	18.0	±30
CAL4	1.844	8.00	7.927	-0.9	±30
CAL5	2.374	10.00	10.206	2.1	±30
CAL6	12.298	50.00	52.872	5.7	±30
CAL7	22.457	100.00	96.548	-3.5	±30

NMePFOSA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.039	0.20	0.190	-5.2	±30
CAL2	0.123	0.60	0.604	0.6	±30
CAL3	0.425	2.00	2.086	4.3	±30
CAL4	1.673	8.00	8.208	2.6	±30
CAL5	2.044	10.00	10.029	0.3	±30
CAL6	10.264	50.00	50.364	0.7	±30
CAL7	20.240	100.00	99.320	-0.7	±30

NMeFOSAA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.040	0.20	0.190	-5.2	±30
CAL2	0.133	0.60	0.623	3.9	±30
CAL3	0.490	2.00	2.298	14.9	±30
CAL4	1.718	8.00	8.059	0.7	±30
CAL5	2.113	10.00	9.912	-0.9	±30
CAL6	10.655	50.00	49.972	-0.1	±30
CAL7	21.269	100.00	99.747	-0.3	±30

* Outside QC Limits FORM 06 - EPA 537 mod QSM Page 5 of 8
5.1 table B-15
ETT60 - Page 2321 of 4253

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FORM 06
INITIAL CALIBRATION AREA RATIO SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Lab File Names: CAL1= 18APR03MCAL-10.WIFF; CAL2= 18APR03MCAL-11.WIFF; CAL3= 18APR03MCAL-12.WIFF;
CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

NEtPFOSAE	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.056	0.20	0.223	11.4	±30
CAL2	0.171	0.60	0.676	12.7	±30
CAL3	0.554	2.00	2.190	9.5	±30
CAL4	1.982	8.00	7.836	-2.1	±30
CAL5	2.446	10.00	9.668	-3.3	±30
CAL6	12.595	50.00	49.787	-0.4	±30
CAL7	25.403	100.00	100.419	0.4	±30

NEtPFOSA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.037	0.20	0.178	-11.1	±30
CAL2	0.123	0.60	0.590	-1.6	±30
CAL3	0.398	2.00	1.905	-4.8	±30
CAL4	1.689	8.00	8.073	0.9	±30
CAL5	2.033	10.00	9.717	-2.8	±30
CAL6	10.043	50.00	48.006	-4.0	±30
CAL7	21.408	100.00	102.330	2.3	±30

Perfluorodecanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.024	0.19	0.229	20.5	±30
CAL2	0.053	0.58	0.499	-14.0	±30
CAL3	0.191	1.93	1.792	-7.2	±30
CAL4	0.778	7.70	7.308	-5.1	±30
CAL5	2.111	19.26	19.833	3.0	±30
CAL6	4.685	48.15	44.027	-8.6	±30
CAL7	9.661	96.30	90.779	-5.7	±30

Perfluoroundecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.068	0.20	0.244	22.1	±30
CAL2	0.191	0.60	0.692	15.3	±30
CAL3	0.605	2.00	2.185	9.3	±30
CAL4	2.297	8.00	8.301	3.8	±30
CAL5	6.271	20.00	22.662	13.3	±30
CAL6	12.928	50.00	46.716	-6.6	±30
CAL7	23.624	100.00	85.367	-14.6	±30

FORM 06
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CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

NEtFOSAA	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.046	0.20	0.214	6.8	±30
CAL2	0.122	0.60	0.569	-5.2	±30
CAL3	0.430	2.00	2.010	0.5	±30
CAL4	1.568	8.00	7.324	-8.5	±30
CAL5	2.097	10.00	9.795	-2.1	±30
CAL6	10.400	50.00	48.579	-2.8	±30
CAL7	21.903	100.00	102.309	2.3	±30

Perfluorododecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.047	0.20	0.246	23.0	±30
CAL2	0.115	0.60	0.611	1.8	±30
CAL3	0.423	2.00	2.238	11.9	±30
CAL4	1.686	8.00	8.913	11.4	±30
CAL5	4.202	20.00	22.219	11.1	±30
CAL6	9.583	50.00	50.668	1.3	±30
CAL7	18.139	100.00	95.906	-4.1	±30

10:2-fluorotelomersulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.274	1.33	1.241	-6.7	±30
CAL2	0.490	2.12	2.222	4.8	±30
CAL3	1.237	5.30	5.609	5.8	±30
CAL4	2.522	10.60	11.435	7.9	±30
CAL5	2.669	13.26	12.104	-8.7	±30

Perfluorododecanesulfonate	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.010	0.19	0.227	19.6	±30
CAL2	0.026	0.58	0.565	-2.7	±30
CAL3	0.086	1.94	1.896	-2.3	±30
CAL4	0.347	7.74	7.636	-1.3	±30
CAL5	0.938	19.36	20.615	6.5	±30
CAL6	2.194	48.40	48.233	-0.3	±30
CAL7	4.359	96.80	95.838	-1.0	±30

FORM 06
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CAL4= 18APR03MCAL-13.WIFF; CAL5= 18APR03MCAL-14.WIFF; CAL6= 18APR03MCAL-15.WIFF;
CAL7= 18APR03MCAL-16.WIFF;

Perfluorotridecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.044	0.20	0.255	27.7	±30
CAL2	0.114	0.60	0.656	9.4	±30
CAL3	0.384	2.00	2.205	10.3	±30
CAL4	1.639	8.00	9.420	17.7	±30
CAL5	4.031	20.00	23.167	15.8	±30
CAL6	8.987	50.00	51.648	3.3	±30
CAL7	16.261	100.00	93.448	-6.6	±30

Perfluorotetradecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.040	0.20	0.246	23.2	±30
CAL2	0.102	0.60	0.634	5.6	±30
CAL3	0.347	2.00	2.151	7.5	±30
CAL4	1.388	8.00	8.596	7.4	±30
CAL5	3.501	20.00	21.688	8.4	±30
CAL6	8.345	50.00	51.692	3.4	±30
CAL7	15.465	100.00	95.793	-4.2	±30

Perfluorohexadecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.037	0.20	0.249	24.7	±30
CAL2	0.098	0.60	0.661	10.2	±30
CAL3	0.316	2.00	2.122	6.1	±30
CAL4	1.288	8.00	8.655	8.2	±30
CAL5	3.239	20.00	21.763	8.8	±30
CAL6	7.579	50.00	50.932	1.9	±30
CAL7	14.348	100.00	96.418	-3.6	±30

Perfluorooctadecanoic acid	Area Ratio	Specified Amount	Calculated Amount	% Difference	Limit
CAL1	0.034	0.20	0.218	8.9	±30
CAL2	0.095	0.60	0.609	1.5	±30
CAL3	0.316	2.00	2.034	1.7	±30
CAL4	1.325	8.00	8.523	6.5	±30
CAL5	3.423	20.00	22.009	10.0	±30
CAL6	7.986	50.00	51.354	2.7	±30
CAL7	14.937	100.00	96.052	-3.9	±30

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FORM 06A DOD - EPA 537 mod QSM 5.1 table B-15
INITIAL CALIBRATION RESPONSE FACTOR SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Lab File Names: CAL1=18APR03MCAL-10.WIFF; CAL2=18APR03MCAL-11.WIFF; CAL3=18APR03MCAL-12.WIFF;
CAL4=18APR03MCAL-13.WIFF; CAL5=18APR03MCAL-14.WIFF; CAL6=18APR03MCAL-15.WIFF;
CAL7=18APR03MCAL-16.WIFF;

Analyte	RF							RF %RSD
	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7	
Perfluorobutanoic acid	0.992	0.869	0.885	0.879	0.931	0.833	0.821	6
Perfluoropentanoic acid	1.245	1.065	1.059	1.097	1.160	1.007	0.995	7
Perfluorobutanesulfonate	1.116	0.955	0.966	1.008	0.943	0.919	0.959	6
4:2 fluorotelomersulfonate	0.968	0.862	0.921	0.776	0.818	---	---	8
Perfluorohexanoic acid	0.999	0.939	0.957	0.989	1.082	0.922	0.886	6
Perfluoropentanesulfonate	0.567	0.441	0.474	0.496	0.503	0.440	0.449	9
Perfluorohexanesulfonate	1.014	1.023	1.002	1.036	1.111	0.965	0.987	4
Perfluoroheptanoic acid	1.268	1.225	1.230	1.192	1.262	1.058	0.993	8
6:2 fluorotelomersulfonate	0.953	1.007	0.976	0.906	0.850	---	---	6
Perfluoroheptanesulfonate	0.892	0.877	0.804	0.887	0.925	0.820	0.874	5
Perfluorooctanoic acid	1.158	1.019	0.898	1.000	0.998	0.884	---	9
Perfluoro-octanesulfonate	1.158	0.994	1.002	0.995	1.089	0.939	0.961	7
Perfluorononanoic acid	1.360	1.189	1.259	1.267	1.305	1.097	---	7
Perfluorooctanesulfonamide	1.083	0.971	1.022	0.921	0.935	0.934	0.961	6
Perfluorononanesulfonate	0.817	0.675	0.666	0.696	0.725	0.680	0.650	7
Perfluorodecanoic acid	1.129	0.896	0.998	0.926	1.034	0.855	0.842	10
8:2 fluorotelomersulfonate	1.024	1.070	1.049	0.943	0.859	---	---	8
NMePFOSAE	1.227	1.310	1.372	1.152	1.187	1.230	1.123	7
NMePFOSA	0.966	1.026	1.063	1.045	1.022	1.026	1.012	3
NMeFOSAA	1.011	1.107	1.225	1.074	1.057	1.066	1.063	6
NEtPFOSAE	1.409	1.426	1.385	1.239	1.223	1.259	1.270	6
NEtPFOSA	0.930	1.029	0.996	1.056	1.016	1.004	1.070	4
Perfluorodecanesulfonate	0.613	0.437	0.472	0.483	0.524	---	---	12
Perfluoroundecanoic acid	1.690	1.595	1.512	1.436	1.568	1.293	---	8
NEtFOSAA	1.143	1.015	1.076	0.980	1.048	1.040	1.095	5
Perfluorododecanoic acid	1.163	0.962	1.058	1.054	1.051	0.958	0.907	8
10:2-fluorotelomersulfonate	0.986	1.107	1.118	1.140	0.964	---	---	7
Perfluorododecanesulfonate	0.260	0.212	0.212	0.214	0.232	0.217	0.215	7
Perfluorotridecanoic acid	1.111	0.952	0.959	1.024	1.008	0.899	0.813	9
Perfluorotetradecanoic acid	0.995	0.852	0.868	0.867	0.875	0.835	0.773	7
Perfluorohexadecanoic acid	0.927	0.820	0.789	0.805	0.810	0.758	0.717	7
Perfluorooctadecanoic acid	0.847	0.789	0.791	0.828	0.856	0.799	0.747	4

--- Calibration point does not apply

* = % RSD > 20

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18APR03DCAL **QMethod Name:** SF-PFCDOD-18MAR26
Result Table: 18APR03DCAL_DOD4/3/2018 9:36:28 PM **Acquisition Method:** PFC-32-18APR03-Divert.dam

Response Factor Table

Analyte Name	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6	CAL 7	%RSD	Limit	OOS	r^2	OOS
PFBA	0.992	0.869	0.885	0.879	0.931	0.833	0.821	6.109	20.000		0.998	
PFPeA	1.245	1.065	1.059	1.097	1.160	1.007	0.995	7.466	20.000		0.997	
PFBS	1.116	0.955	0.966	1.008	0.943	0.919	0.959	6.170	20.000		0.999	
4:2-FTS	0.968	0.862	0.921	0.776	0.818	N/A	N/A	7.967	20.000		0.996	
PFHxA	0.999	0.939	0.957	0.989	1.082	0.922	0.886	6.094	20.000		0.995	
PFPeS	0.567	0.441	0.474	0.496	0.503	0.440	0.449	8.764	20.000		0.998	
PFHxS	1.014	1.023	1.002	1.036	1.111	0.965	0.987	4.227	20.000		0.998	
PFHpA	1.268	1.225	1.230	1.192	1.262	1.058	0.993	8.422	20.000		0.993	
6:2-FTS	0.953	1.007	0.976	0.906	0.850	N/A	N/A	5.887	20.000		0.996	
PFHpS	0.892	0.877	0.804	0.887	0.925	0.820	0.874	4.502	20.000		0.999	
PFOA	1.158	1.019	0.898	1.000	0.998	0.884	N/A	9.077	20.000		0.996	
PFOS	1.158	0.994	1.002	0.995	1.089	0.939	0.961	6.974	20.000		0.998	
PFNA	1.360	1.189	1.259	1.267	1.305	1.097	N/A	6.759	20.000		0.993	
PFOSA	1.083	0.971	1.022	0.921	0.935	0.934	0.961	5.523	20.000		1.000	
PFNS	0.817	0.675	0.666	0.696	0.725	0.680	0.650	7.426	20.000		0.999	
PFDA	1.129	0.896	0.998	0.926	1.034	0.855	0.842	10.111	20.000		0.995	
8:2-FTS	1.024	1.070	1.049	0.943	0.859	N/A	N/A	7.884	20.000		0.991	
NMePFOSAE	1.227	1.310	1.372	1.152	1.187	1.230	1.123	6.603	20.000		0.998	
NMePFOSA	0.966	1.026	1.063	1.045	1.022	1.026	1.012	2.742	20.000		1.000	
NMeFOSAA	1.011	1.107	1.225	1.074	1.057	1.066	1.063	5.754	20.000		1.000	
NEtPFOSAE	1.409	1.426	1.385	1.239	1.223	1.259	1.270	6.128	20.000		1.000	
NEtPFOSA	0.930	1.029	0.996	1.056	1.016	1.004	1.070	4.171	20.000		0.999	
PFDS	0.613	0.437	0.472	0.483	0.524	N/A	N/A	11.916	20.000		0.998	
PFUnDA	1.690	1.595	1.512	1.436	1.568	1.293	N/A	8.321	20.000		0.992	
NEtFOSAA	1.143	1.015	1.076	0.980	1.048	1.040	1.095	4.707	20.000		0.999	
PFDoDA	1.163	0.962	1.058	1.054	1.051	0.958	0.907	7.747	20.000		0.997	
10:2-FTS	0.986	1.107	1.118	1.140	0.964	N/A	N/A	6.858	20.000		0.988	
PFDoS	0.260	0.212	0.212	0.214	0.232	0.217	0.215	7.303	20.000		0.999	
PFTrDA	1.111	0.952	0.959	1.024	1.008	0.899	0.813	9.122	20.000		0.993	
PFTeDA	0.995	0.852	0.868	0.867	0.875	0.835	0.773	7.097	20.000		0.998	
PFHxDA	0.927	0.820	0.789	0.805	0.810	0.758	0.717	7.490	20.000		0.998	
PFODA	0.847	0.789	0.791	0.828	0.856	0.799	0.747	4.354	20.000		0.998	

APPROVED
By MSM at 7:29 am, 4/4/18

REVIEWED
By umar at 9:09 am, 4/5/18

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18APR03DCAL **QMethod Name:** SF-PFCDOD-18MAR26
Result Table: 18APR03DCAL_DOD4/3/2018 9:36:28 PM **Acquisition Method:** PFC-32-18APR03-Divert.dam

Sample Name	Sample ID:	Sample File:	Acquisition Date:
ICV	ICVMODX1833B	18APR03MCAL-18.wiff	4/3/2018 7:49:49 PM

Analyte Name	Analyte Area	Ext Std Name	Ext Std Area	Ext Std Con	Area Ratio	RT (min)	RRT	Spec Amt	Calc Amt	% Diff	% Diff Lim	% Diff OOS
PFBA	429254.1	13C4-PFBA	1312700.0	5.00	0.327	4.44	1.00	2.000	1.946	-2.7	30.0	
PFPeA	441876.5	13C5-PFPeA	1106378.3	5.00	0.399	5.01	1.00	2.000	1.953	-2.3	30.0	
PFBS	221662.2	13C3-PFBS	646282.1	4.65	0.343	5.06	1.00	1.770	1.682	-5.0	30.0	
4:2-FTS	N/A	13C2-4:2-FTS	378478.7	4.67	N/A	N/A	N/A	0.000	N/A		30.0	
PFHxA	809643.6	13C5-PFHxA	2076145.9	5.00	0.390	5.48	1.00	2.000	2.113	5.6	30.0	
PFPeS	N/A	13C3-PFBS	646282.1	4.65	N/A	N/A	N/A	0.000	N/A		30.0	
PFHxS	227538.4	13C3-PFHxS	599720.9	4.73	0.379	5.92	1.00	1.890	1.800	-4.8	30.0	
PFHpA	947428.8	13C4-PFHpA	2048216.7	5.00	0.463	5.92	1.00	2.000	2.196	9.8	30.0	
6:2-FTS	N/A	13C2-6:2-FTS	319317.4	4.75	N/A	N/A	N/A	0.000	N/A		30.0	
PFHpS	196150.0	13C3-PFHxS	599720.9	4.73	0.327	6.32	1.07	1.900	1.790	-5.8	30.0	
PFOA	964693.9	13C8-PFOA	2645727.3	5.00	0.365	6.34	1.00	2.000	1.969	-1.6	30.0	
PFOS	192506.8	13C8-PFOS	499659.3	4.78	0.385	6.68	1.00	1.910	1.896	-0.8	30.0	
PFNA	862290.6	13C9-PFNA	1887154.0	5.00	0.457	6.71	1.00	2.000	1.952	-2.4	30.0	
PFOSA	N/A	13C8-PFOSA	1209014.9	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFNS	N/A	13C8-PFOS	499659.3	4.78	N/A	N/A	N/A	0.000	N/A		30.0	
PFDA	889781.6	13C6-PFDA	2434997.5	5.00	0.365	7.05	1.00	2.000	2.093	4.6	30.0	
8:2-FTS	N/A	13C2-8:2-FTS	376908.8	4.79	N/A	N/A	N/A	0.000	N/A		30.0	
NMePFOSAE	N/A	d7-NMePFOSAE	202569.6	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NMePFOSA	N/A	d3-NMePFOSA	186432.4	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NMeFOSAA	214598.0	d3-NMeFOSAA	509789.8	5.00	0.421	7.22	1.00	2.000	1.974	-1.3	30.0	
NEtPFOSAE	N/A	d9-NEtPFOSAE	260857.9	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NEtPFOSA	N/A	d5-NEtPFOSA	148046.1	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFDS	88852.0	13C8-PFOS	499659.3	4.78	0.178	7.32	1.09	1.930	1.671	-13.4	30.0	
PFUnDA	679215.9	13C7-PFUnDA	1179605.0	5.00	0.576	7.35	1.00	2.000	2.081	4.0	30.0	
NEtFOSAA	180122.2	d5-NEtFOSAA	420719.8	5.00	0.428	7.38	1.00	2.000	2.000	0.0	30.0	
PFDoDA	591580.2	13C2-PFDoDA	1713470.7	5.00	0.345	7.64	1.00	2.000	1.825	-8.7	30.0	
10:2-FTS	N/A	13C2-8:2-FTS	376908.8	4.79	N/A	N/A	N/A	0.000	N/A		30.0	
PFDoS	N/A	13C8-PFOS	499659.3	4.78	N/A	N/A	N/A	0.000	N/A		30.0	
PFTrDA	646541.8	13C2-PFDoDA	1713470.7	5.00	0.377	7.91	1.04	2.000	2.168	8.4	30.0	
PFTeDA	621765.0	13C2-PFTeDA	1966699.0	5.00	0.316	8.18	1.00	2.000	1.958	-2.1	30.0	
PFHxDA	N/A	13C2-PFTeDA	1966699.0	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFODA	N/A	13C2-PFTeDA	1966699.0	5.00	N/A	N/A	N/A	0.000	N/A		30.0	

APPROVED
By MSM at 7:29 am, 4/4/18

REVIEWED
By umar at 9:09 am, 4/5/18

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR03-16.WIFF

Date/Time Analyzed: 04/04/2018 01:13 Lab Sample ID: CCV2_CAL2

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
Perfluorobutanoic acid	0.60	0.63	4.59	±30
Perfluoropentanoic acid	0.60	0.62	3.45	±30
Perfluorobutanesulfonate	0.53	0.55	3.56	±30
4:2 fluorotelomersulfonate	1.98	2.02	2.24	±30
Perfluorohexanoic acid	0.60	0.62	3.89	±30
Perfluoropentanesulfonate	0.56	0.63	11.96	±30
Perfluorohexanesulfonate	0.57	0.55	-3.46	±30
Perfluoroheptanoic acid	0.60	0.69	14.48	±30
6:2 fluorotelomersulfonate	2.09	2.39	14.58	±30
Perfluoroheptanesulfonate	0.57	0.59	3.41	±30
Perfluorooctanoic acid	0.60	0.64	6.73	±30
Perfluoro-octanesulfonate	0.57	0.58	0.92	±30
Perfluorononanoic acid	0.60	0.62	3.11	±30
Perfluorooctanesulfonamide	0.60	0.61	2.20	±30
Perfluorononanesulfonate	0.58	0.58	0.46	±30
Perfluorodecanoic acid	0.60	0.66	10.05	±30
8:2 fluorotelomersulfonate	2.11	2.36	11.80	±30
NMePFOSAE	0.60	0.60	0.10	±30
NMePFOSA	0.60	0.62	3.93	±30
NMeFOSAA	0.60	0.65	9.11	±30

* Outside QC Limits.

FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR03-16.WIFF

Date/Time Analyzed: 04/04/2018 01:13 Lab Sample ID: CCV2_CAL2

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
NEtPFOSAE	0.60	0.63	4.79	±30
NEtPFOSA	0.60	0.66	10.00	±30
Perfluorodecanesulfonate	0.58	0.53	-8.45	±30
Perfluoroundecanoic acid	0.60	0.62	2.82	±30
NEtFOSAA	0.60	0.69	15.40	±30
Perfluorododecanoic acid	0.60	0.65	8.41	±30
10:2-fluorotelomersulfonate	2.12	2.32	9.28	±30
Perfluorododecanesulfonate	0.58	0.53	-8.90	±30
Perfluorotridecanoic acid	0.60	0.68	12.86	±30
Perfluorotetradecanoic acid	0.60	0.68	13.99	±30
Perfluorohexadecanoic acid	0.60	0.67	11.90	±30
Perfluorooctadecanoic acid	0.60	0.61	2.30	±30

* Outside QC Limits.

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR03-24.WIFF

Date/Time Analyzed: 04/04/2018 03:17 Lab Sample ID: CCV3_CAL3

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
Perfluorobutanoic acid	2.00	2.05	2.34	±30
Perfluoropentanoic acid	2.00	2.10	4.84	±30
Perfluorobutanesulfonate	1.77	1.72	-3.06	±30
4:2 fluorotelomersulfonate	4.90	5.38	9.80	±30
Perfluorohexanoic acid	2.00	2.15	7.29	±30
Perfluoropentanesulfonate	1.88	1.90	1.30	±30
Perfluorohexanesulfonate	1.89	1.86	-1.71	±30
Perfluoroheptanoic acid	2.00	2.30	14.92	±30
6:2 fluorotelomersulfonate	5.21	5.51	5.71	±30
Perfluoroheptanesulfonate	1.90	1.84	-2.93	±30
Perfluorooctanoic acid	2.00	2.11	5.52	±30
Perfluoro-octanesulfonate	1.91	1.94	1.35	±30
Perfluorononanoic acid	2.00	2.13	6.49	±30
Perfluorooctanesulfonamide	2.00	2.14	7.18	±30
Perfluorononanesulfonate	1.92	1.98	2.92	±30
Perfluorodecanoic acid	2.00	2.22	11.03	±30
8:2 fluorotelomersulfonate	5.27	5.95	12.89	±30
NMePFOSAE	2.00	2.13	6.57	±30
NMePFOSA	2.00	2.05	2.41	±30
NMeFOSAA	2.00	2.32	16.25	±30

* Outside QC Limits.

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FORM 07
CALIBRATION VERIFICATION SUMMARY
LC/MS/MS

SDG No.: ETT60

Instrument ID: 24743 Lab File ID: 18APR03-24.WIFF

Date/Time Analyzed: 04/04/2018 03:17 Lab Sample ID: CCV3_CAL3

Init. Calib. Date/Times: 04/03/2018 17:45 04/03/2018 19:18

Analytes	Specified Amount	Calculated Amount	% Difference	Limit
NEtPFOSAE	2.00	2.28	13.83	±30
NEtPFOSA	2.00	2.26	13.18	±30
Perfluorodecanesulfonate	1.93	1.83	-5.09	±30
Perfluoroundecanoic acid	2.00	2.05	2.39	±30
NEtFOSAA	2.00	2.14	7.03	±30
Perfluorododecanoic acid	2.00	2.21	10.57	±30
10:2-fluorotelomersulfonate	5.30	6.21	17.11	±30
Perfluorododecanesulfonate	1.94	1.85	-4.74	±30
Perfluorotridecanoic acid	2.00	2.16	8.04	±30
Perfluorotetradecanoic acid	2.00	1.99	-0.53	±30
Perfluorohexadecanoic acid	2.00	2.06	3.06	±30
Perfluorooctadecanoic acid	2.00	2.00	0.07	±30

* Outside QC Limits. FORM 07 - EPA 537 mod QSM Page 2 of 2
5.1 table B-15
ETT60 - Page 2350 of 4253

Instrument Name: LM24743

Data File Name	Sample ID	Batch No	Analysis Date/Time
18APR09MCAL-06.wiff	MDL	N/A	4/9/2018 7:39:06 AM
18APR09MCAL-07.wiff	CAL1	N/A	4/9/2018 7:54:39 AM
18APR09MCAL-08.wiff	CAL2	N/A	4/9/2018 8:10:12 AM
18APR09MCAL-09.wiff	CAL3	N/A	4/9/2018 8:25:45 AM
18APR09MCAL-10.wiff	CAL4	N/A	4/9/2018 8:41:15 AM
18APR09MCAL-11.wiff	CAL5	N/A	4/9/2018 8:56:45 AM
18APR09MCAL-12.wiff	CAL6	N/A	4/9/2018 9:12:15 AM
18APR09MCAL-13.wiff	CAL7	N/A	4/9/2018 9:27:45 AM
18APR09MCAL-14.wiff	Instrument Blank	N/A	4/9/2018 9:43:18 AM
18APR09MCAL-15.wiff	ICV	N/A	4/9/2018 9:58:51 AM
18APR09MCAL-16.wiff	L+B CAL3	N/A	4/9/2018 10:14:24 AM
18APR09MCAL-17.wiff	CCV1_CAL3	N/A	4/9/2018 10:29:57 AM

20 mM Ammonium Acetate in H2O: 782404091833A
Methanol: DT493-US

APPROVED
By MCD at 5:18 pm, 4/24/18

Instrument Name:

Data File Name	Sample ID	Batch No	Analysis Date/Time
18APR09-03.wiff	CCV1_CAL1	N/A	4/9/2018 4:36:34 PM
18APR09-04.wiff	Instrument Blank	N/A	4/9/2018 4:52:07 PM
18APR09-05.wiff	LCS096004	18096004	4/9/2018 5:07:37 PM
18APR09-06.wiff	9509983MSRE	18096004	4/9/2018 5:23:07 PM
18APR09-07.wiff	9509984MSDRE	18096004	4/9/2018 5:38:40 PM
18APR09-08.wiff	solvent	N/A	4/9/2018 5:54:10 PM
18APR09-09.wiff	BLK096004	18096004	4/9/2018 6:09:43 PM
18APR09-10.wiff	9509982RE	18096004	4/9/2018 6:25:16 PM
18APR09-11.wiff	9509988RE	18096004	4/9/2018 6:40:49 PM
18APR09-12.wiff	9509989RE	18096004	4/9/2018 6:56:19 PM
18APR09-13.wiff	LCSDA	18087009	4/9/2018 7:11:52 PM
18APR09-14.wiff	LCS094009	18094009	4/9/2018 7:27:25 PM
18APR09-15.wiff	LCSDA	18094009	4/9/2018 7:42:55 PM
18APR09-16.wiff	CCV2_CAL2	N/A	4/9/2018 7:58:25 PM
18APR09-17.wiff	solvent	N/A	4/9/2018 8:13:55 PM
18APR09-18.wiff	BLK094009	18094009	4/9/2018 8:29:28 PM
18APR09-19.wiff	9509930	18094009	4/9/2018 8:44:58 PM
18APR09-20.wiff	9525134	18094009	4/9/2018 9:00:28 PM
18APR09-21.wiff	9525138	18094009	4/9/2018 9:16:01 PM
18APR09-22.wiff	9525151	18094009	4/9/2018 9:31:34 PM
18APR09-23.wiff	9509950	18081006	4/9/2018 9:47:04 PM
18APR09-24.wiff	9509951	18081006	4/9/2018 10:02:37 PM
18APR09-25.wiff	9509952	18081006	4/9/2018 10:18:10 PM
18APR09-26.wiff	9509953	18081006	4/9/2018 10:33:43 PM
18APR09-27.wiff	CCV3_CAL3	N/A	4/9/2018 10:49:16 PM
18APR09-28.wiff	solvent	N/A	4/9/2018 11:04:46 PM
18APR09-29.wiff	BLK096009	N/A	4/9/2018 11:20:19 PM
18APR09-30.wiff	BLK096007	N/A	4/9/2018 11:35:49 PM
18APR09-31.wiff	BLK096013	N/A	4/9/2018 11:51:19 PM
18APR09-32.wiff	BLK096014	N/A	4/10/2018 12:06:49 AM
18APR09-33.wiff	BLK096008	N/A	4/10/2018 12:22:20 AM
18APR09-34.wiff	BLK096005	N/A	4/10/2018 12:37:49 AM
18APR09-35.wiff	BLK094014	N/A	4/10/2018 12:53:19 AM
18APR09-36.wiff	BLK094021	N/A	4/10/2018 1:08:52 AM
18APR09-37.wiff	BLK093012	N/A	4/10/2018 1:24:26 AM
18APR09-38.wiff	BLK094023	N/A	4/10/2018 1:39:58 AM
18APR09-39.wiff	BLK098003	N/A	4/10/2018 1:55:32 AM
18APR09-40.wiff	BLK096012	N/A	4/10/2018 2:11:04 AM
18APR09-41.wiff	BLK094022	N/A	4/10/2018 2:26:37 AM
18APR09-42.wiff	BLK098004	N/A	4/10/2018 2:42:11 AM

20mM Ammonium Acetate: 782404091833A
Methanol: Honeywell DT493-US

Continuing Calibration Verfication

ICAL Name: 18APR09MCAL **Result Table:** 18APR09CCV1-3_DoD5.1 4/10/2018 9:26:57 AM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18APR03-Divert.dam

Instrument Name:	Sample Name:	Sample ID:	Sample File:	Acquisition Date:
LM24743	CCV1_CAL1	CALMOD11833A	18APR09-03.wiff	2018-04-09T16:36:34

Analyte Name	Analyte Area	Ext Std Name	Ext Std Area	Ext Std Con	Area Ratio	RT (min)	RRT	Spec Amt	Calc Amt	% Diff	% Diff Lim	% Diff OOS
PFBA	43185.1	13C4-PFBA	1107447.1	5.0	0.039	4.47	1.000	0.200	0.235	17.4	30.0	
PFPeA	41236.0	13C5-PFPeA	950557.7	5.0	0.043	5.05	1.000	0.200	0.222	11.1	30.0	
PFBS	17977.9	13C3-PFBS	459270.5	4.7	0.039	5.10	1.000	0.170	0.179	5.0	30.0	
4:2-FTS	27418.1	13C2-4:2-FTS	246972.7	4.7	0.111	5.49	1.000	0.580	0.668	15.1	30.0	
PFHxA	72135.5	13C5-PFHxA	1595451.7	5.0	0.045	5.53	1.000	0.200	0.251	25.3	30.0	
PFPeS	9503.1	13C3-PFBS	459270.5	4.7	0.021	5.55	1.090	0.190	0.197	3.8	30.0	
PFHxS	20344.4	13C3-PFHxS	416087.6	4.7	0.049	5.98	1.000	0.190	0.237	24.9	30.0	
PFHpA	79540.7	13C4-PFHpA	1575228.5	5.0	0.050	5.99	1.000	0.200	0.235	17.4	30.0	
6:2-FTS	62976.2	13C2-6:2-FTS	249496.0	4.8	0.252	6.39	1.000	1.300	1.274	-2.0	30.0	
PFHpS	16304.2	13C3-PFHxS	416087.6	4.7	0.039	6.38	1.070	0.190	0.210	10.8	30.0	
PFOA	86546.5	13C8-PFOA	1982500.3	5.0	0.044	6.40	1.000	0.200	0.225	12.3	30.0	
PFOS	17129.3	13C8-PFOS	377046.7	4.8	0.045	6.76	1.000	0.190	0.216	13.6	30.0	
PFNA	83925.0	13C9-PFNA	1506528.1	5.0	0.056	6.78	1.000	0.200	0.247	23.3	30.0	
PFOSA	31737.8	13C8-PFOSA	848291.0	5.0	0.037	7.00	1.000	0.200	0.187	-6.6	30.0	
PFNS	10717.4	13C8-PFOS	377046.7	4.8	0.028	7.11	1.050	0.190	0.191	0.6	30.0	
PFDA	78836.8	13C6-PFDA	1809013.5	5.0	0.044	7.14	1.000	0.200	0.242	21.0	30.0	
8:2-FTS	89871.7	13C2-8:2-FTS	291227.4	4.8	0.309	7.15	1.000	1.320	1.587	20.2	30.0	
NMePFOSAE	9394.6	d7-NMePFOSAE	172043.5	5.0	0.055	7.40	1.000	0.200	0.256	27.8	30.0	
NMePFOSA	6213.2	d3-NMePFOSA	150861.8	5.0	0.041	7.43	1.000	0.200	0.210	5.1	30.0	
NMeFOSAA	16419.3	d3-NMeFOSAA	406470.5	5.0	0.040	7.33	1.000	0.200	0.190	-4.8	30.0	
NEtPFOSAE	13475.7	d9-NEtPFOSAE	214145.2	5.0	0.063	7.55	1.000	0.200	0.259	29.6	30.0	
NEtPFOSA	4907.5	d5-NEtPFOSA	118324.6	5.0	0.041	7.57	1.000	0.200	0.201	0.4	30.0	
PFDS	7301.3	13C8-PFOS	377046.7	4.8	0.019	7.42	1.100	0.190	0.183	-3.5	30.0	
PFUnDA	64161.4	13C7-PFUnDA	1022354.7	5.0	0.063	7.46	1.000	0.200	0.243	21.3	30.0	
NEtFOSAA	14157.2	d5-NEtFOSAA	344955.1	5.0	0.041	7.49	1.000	0.200	0.184	-7.8	30.0	
PFDoDA	65293.1	13C2-PFDoDA	1483571.1	5.0	0.044	7.77	1.000	0.200	0.234	16.9	30.0	
10:2-FTS	97334.9	13C2-8:2-FTS	291227.4	4.8	0.334	7.80	1.090	1.330	1.360	2.3	30.0	
PFDoS	4029.6	13C8-PFOS	377046.7	4.8	0.011	8.00	1.180	0.190	0.194	1.9	30.0	
PFTrDA	60189.0	13C2-PFDoDA	1483571.1	5.0	0.041	8.07	1.040	0.200	0.232	16.2	30.0	
PFTeDA	66034.9	13C2-PFTeDA	1677195.3	5.0	0.039	8.38	1.000	0.200	0.237	18.6	30.0	
PFHxDA	56670.1	13C2-PFTeDA	1677195.3	5.0	0.034	9.06	1.080	0.200	0.245	22.7	30.0	
PFODA	52496.9	13C2-PFTeDA	1677195.3	5.0	0.031	9.84	1.170	0.200	0.220	10.0	30.0	

APPROVED
By MCD at 3:22 pm, 4/11/18

REVIEWED
By umar at 4:03 pm, 4/11/18

Continuing Calibration Verfication

ICAL Name: 18APR09MCAL **Result Table:** 18APR09CCV1-3_DoD5.1 4/10/2018 9:26:57 AM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18APR03-Divert.dam

Instrument Name:	Sample Name:	Sample ID:	Sample File:	Acquisition Date:
LM24743	CCV2_CAL2	CALMOD21833A	18APR09-16.wiff	2018-04-09T19:58:25

Analyte Name	Analyte Area	Ext Std Name	Ext Std Area	Ext Std Con	Area Ratio	RT (min)	RRT	Spec Amt	Calc Amt	% Diff	% Diff Lim	% Diff OOS
PFBA	119171.2	13C4-PFBA	1139745.3	5.0	0.105	4.45	1.000	0.600	0.630	4.9	30.0	
PFPeA	110570.2	13C5-PFPeA	970418.6	5.0	0.114	5.03	1.000	0.600	0.583	-2.8	30.0	
PFBS	54278.8	13C3-PFBS	492553.0	4.7	0.110	5.08	1.000	0.530	0.503	-5.2	30.0	
4:2-FTS	86213.0	13C2-4:2-FTS	238863.2	4.7	0.361	5.46	1.000	1.980	2.170	9.6	30.0	
PFHxA	199372.6	13C5-PFHxA	1705218.5	5.0	0.117	5.51	1.000	0.600	0.648	8.0	30.0	
PFPeS	29522.1	13C3-PFBS	492553.0	4.7	0.060	5.52	1.090	0.560	0.571	2.0	30.0	
PFHxS	53274.9	13C3-PFHxS	481409.7	4.7	0.111	5.95	1.000	0.570	0.537	-5.8	30.0	
PFHpA	223519.6	13C4-PFHpA	1673757.7	5.0	0.134	5.96	1.000	0.600	0.621	3.5	30.0	
6:2-FTS	93983.6	13C2-6:2-FTS	208838.4	4.8	0.450	6.37	1.000	2.090	2.272	8.7	30.0	
PFHpS	46280.9	13C3-PFHxS	481409.7	4.7	0.096	6.36	1.070	0.570	0.516	-9.4	30.0	
PFOA	231636.3	13C8-PFOA	2032274.1	5.0	0.114	6.38	1.000	0.600	0.586	-2.3	30.0	
PFOS	47456.6	13C8-PFOS	367208.2	4.8	0.129	6.73	1.000	0.570	0.614	7.7	30.0	
PFNA	231589.2	13C9-PFNA	1529591.7	5.0	0.151	6.76	1.000	0.600	0.670	11.7	30.0	
PFOSA	101666.7	13C8-PFOSA	900672.3	5.0	0.113	6.99	1.000	0.600	0.564	-6.1	30.0	
PFNS	34695.8	13C8-PFOS	367208.2	4.8	0.094	7.08	1.050	0.580	0.636	9.6	30.0	
PFDA	205190.5	13C6-PFDA	1931021.7	5.0	0.106	7.11	1.000	0.600	0.590	-1.6	30.0	
8:2-FTS	119124.4	13C2-8:2-FTS	261546.8	4.8	0.455	7.12	1.000	2.110	2.342	11.0	30.0	
NMePFOSAE	24983.2	d7-NMePFOSAE	168266.4	5.0	0.148	7.39	1.000	0.600	0.695	15.8	30.0	
NMePFOSA	17385.3	d3-NMePFOSA	145788.1	5.0	0.119	7.41	1.000	0.600	0.609	1.4	30.0	
NMeFOSAA	43216.9	d3-NMeFOSAA	365557.0	5.0	0.118	7.28	1.000	0.600	0.557	-7.2	30.0	
NEtPFOSAE	32215.2	d9-NEtPFOSAE	211407.7	5.0	0.152	7.54	1.000	0.600	0.628	4.6	30.0	
NEtPFOSA	15863.6	d5-NEtPFOSA	120784.2	5.0	0.131	7.56	1.000	0.600	0.636	5.9	30.0	
PFDS	24371.6	13C8-PFOS	367208.2	4.8	0.066	7.38	1.100	0.580	0.628	8.4	30.0	
PFUnDA	171134.2	13C7-PFUnDA	996096.9	5.0	0.172	7.42	1.000	0.600	0.664	10.7	30.0	
NEtFOSAA	45779.8	d5-NEtFOSAA	343948.0	5.0	0.133	7.45	1.000	0.600	0.598	-0.3	30.0	
PFDoDA	180181.5	13C2-PFDoDA	1450956.0	5.0	0.124	7.72	1.000	0.600	0.660	10.0	30.0	
10:2-FTS	137380.8	13C2-8:2-FTS	261546.8	4.8	0.525	7.76	1.090	2.120	2.137	0.8	30.0	
PFDoS	12116.3	13C8-PFOS	367208.2	4.8	0.033	7.96	1.180	0.580	0.598	3.1	30.0	
PFTrDA	178505.7	13C2-PFDoDA	1450956.0	5.0	0.123	8.02	1.040	0.600	0.705	17.4	30.0	
PFTeDA	194135.5	13C2-PFTeDA	1874502.5	5.0	0.104	8.31	1.000	0.600	0.624	4.0	30.0	
PFHxDA	153284.9	13C2-PFTeDA	1874502.5	5.0	0.082	8.97	1.080	0.600	0.594	-1.0	30.0	
PFODA	142679.6	13C2-PFTeDA	1874502.5	5.0	0.076	9.72	1.170	0.600	0.535	-10.8	30.0	

APPROVED
By MCD at 3:22 pm, 4/11/18

REVIEWED
By umar at 4:03 pm, 4/11/18

ICAL Name: 18APR09DCAL **Result Table:** 18096004 4/10/2018 1:16:29 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18APR03-Divert.dam

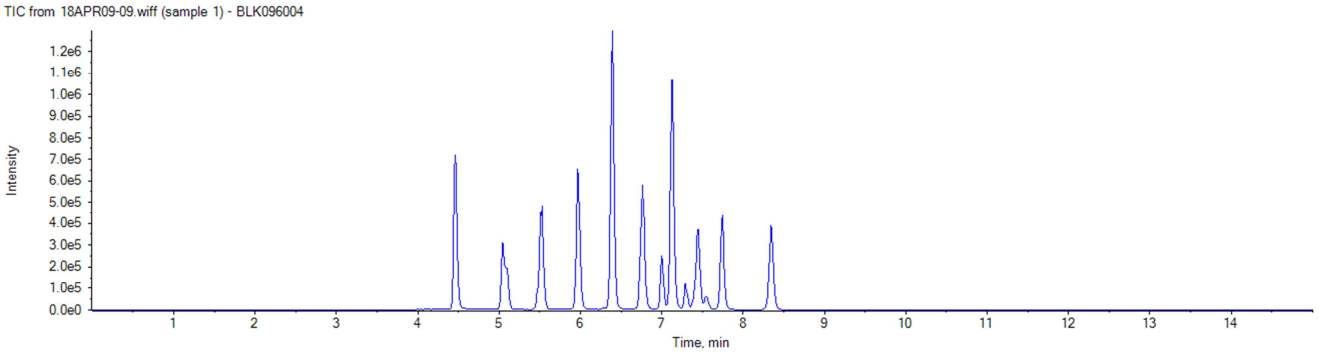
Analyte Quantitation Peak Table

Sample Name: BLK096004 **Instrument Name:** LM24743 **File Name:** 18APR09-09.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.25000	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	N/A	N/A	N/A	A	13C4-PFBA	4.46	1038522.5	N/A	
PFPeA	N/A	N/A	N/A	A	13C5-PFPeA	5.04	896409.4	N/A	
PFBS	N/A	N/A	N/A	A	13C3-PFBS	5.10	482887.3	N/A	
PFHxA	N/A	N/A	N/A	A	13C5-PFHxA	5.52	1527004.3	N/A	
PFHxS	N/A	N/A	N/A	A	13C3-PFHxS	5.96	397309.9	N/A	
PFHpA	N/A	N/A	N/A	A	13C4-PFHpA	5.97	1579271.2	N/A	
PFHpS	N/A	N/A	N/A	A	13C3-PFHxS	5.96	397309.9	N/A	
PFOA	6.39	1.000	102460.0	M	13C8-PFOA	6.39	1850518.6	0.055	1.140
PFOS	N/A	N/A	N/A	A	13C8-PFOS	6.74	353790.9	N/A	
PFNA	N/A	N/A	N/A	A	13C9-PFNA	6.77	1256085.5	N/A	
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.00	692009.4	N/A	
PFDA	N/A	N/A	N/A	A	13C6-PFDA	7.12	1751095.4	N/A	
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.74	353790.9	N/A	
PFUnDA	N/A	N/A	N/A	A	13C7-PFUnDA	7.44	884649.0	N/A	
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.74	1362836.0	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.74	1362836.0	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.35	1404503.8	N/A	

Total Ion Chromatogram



APPROVED
By JPT12262 at 1:25 pm, 4/10/18

REVIEWED
By umar at 4:11 pm, 4/11/18

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18APR09DCAL **QMethod Name:** SF-PFCMOD-18MAR26
Result Table: 18APR09DCAL4/11/2018 10:16:12 AM **Acquisition Method:** PFC-32-18APR03-Divert.dam

Response Factor Table

Analyte Name	CAL 1	CAL 2	CAL 3	CAL 4	CAL 5	CAL 6	CAL 7	%RSD	Limit	OOS	r^2	OOS
PFBA	0.925	0.833	0.866	0.870	0.922	0.829	0.809	4.869	20.000		0.998	
PFPeA	1.089	0.989	0.988	0.985	1.111	0.971	0.951	5.663	20.000		0.997	
PFBS	1.057	1.026	0.973	0.973	1.037	1.030	1.015	2.906	20.000		1.000	
4:2-FTS	0.982	0.885	0.859	0.789	0.708	N/A	N/A	10.914	20.000		0.993	
PFHxA	0.989	0.905	0.937	0.930	1.033	0.913	0.867	5.463	20.000		0.997	
PFPeS	0.540	0.495	0.489	0.477	0.501	0.495	0.483	3.835	20.000		1.000	
PFHxS	1.212	0.991	0.989	0.985	1.091	0.980	0.947	8.337	20.000		0.998	
PFHpA	1.394	1.217	1.174	1.202	1.282	1.126	0.994	9.616	20.000		0.991	
6:2-FTS	0.976	1.029	1.009	0.965	0.876	N/A	#Value!		20.000	OOS	0.995	
PFHpS	0.951	0.871	0.867	0.877	0.909	0.836	0.898	3.800	20.000		0.999	
PFOA	1.214	0.993	0.978	1.008	1.075	0.923	N/A	9.005	20.000		0.995	
PFOS	1.213	1.049	1.025	0.983	1.143	0.941	1.012	8.317	20.000		0.997	
PFNA	1.325	1.238	1.367	1.254	1.291	1.124	1.085	7.696	20.000		0.996	
PFOSA	1.002	0.993	1.031	0.964	0.970	1.028	0.994	2.394	20.000		1.000	
PFNS	0.811	0.626	0.737	0.649	0.810	0.708	0.697	9.291	20.000		0.997	
PFDA	1.162	0.962	0.935	0.973	1.048	0.948	0.839	9.514	20.000		0.993	
8:2-FTS	0.918	1.148	1.048	0.882	0.891	N/A	N/A	10.628	20.000		0.989	
NMePFOSAE	1.174	1.111	1.232	1.126	1.084	1.104	1.041	5.142	20.000		0.999	
NMePFOSA	1.144	1.086	1.074	0.973	0.975	1.034	0.951	6.395	20.000		0.998	
NMeFOSAA	1.090	1.111	1.160	1.100	1.057	1.005	1.084	4.075	20.000		0.999	
NEtPFOSAE	1.370	1.306	1.261	1.154	1.198	1.237	1.207	5.384	20.000		1.000	
NEtPFOSA	1.065	0.819	0.999	1.015	1.003	1.032	1.040	7.557	20.000		1.000	
PFDS	0.461	0.473	0.518	0.500	0.592	0.495	0.492	7.846	20.000		0.996	
PFUnDA	1.620	1.414	1.429	1.530	1.496	1.313	1.221	8.684	20.000		0.994	
NEtFOSAA	0.965	1.126	1.133	1.105	0.993	1.062	1.150	6.247	20.000		0.998	
PFDoDA	1.110	0.994	0.996	1.009	1.065	0.968	0.895	6.322	20.000		0.996	
10:2-FTS	1.237	1.470	1.211	1.065	1.200	#Value!	#Value!		20.000	OOS	0.990	
PFDoS	0.263	0.244	0.280	0.254	0.311	0.254	0.260	7.796	20.000		0.996	
PFTrDA	1.039	0.973	0.969	0.953	1.033	0.911	0.812	7.495	20.000		0.993	
PFTeDA	0.966	0.888	0.903	0.870	0.965	0.809	0.808	6.757	20.000		0.996	
PFHxDA	0.842	0.737	0.756	0.697	0.748	0.663	0.687	7.485	20.000		0.999	
PFODA	0.721	0.671	0.708	0.731	0.753	0.687	0.714	3.529	20.000		0.999	

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18APR09DCAL **QMethod Name:** SF-PFCMOD-18MAR26
Result Table: 18APR09DCAL4/11/2018 10:16:12 AM **Acquisition Method:** PFC-32-18APR03-Divert.dam

Sample Name	Sample ID:	Sample File:	Acquisition Date:
ICV	ICVMODX1833B	18APR09MCAL-15.wiff	4/9/2018 9:58:51 AM

Analyte Name	Analyte Area	Ext Std Name	Ext Std Area	Ext Std Con	Area Ratio	RT (min)	RRT	Spec Amt	Calc Amt	% Diff	% Diff Lim	% Diff OOS
PFBA	351668.3	13C4-PFBA	1107135.4	5.00	0.318	4.45	1.00	2.000	1.913	-4.4	30.0	
PFPeA	356391.2	13C5-PFPeA	921939.2	5.00	0.387	5.04	1.00	2.000	1.979	-1.0	30.0	
PFBS	164675.2	13C3-PFBS	469181.2	4.65	0.351	5.09	1.00	1.770	1.601	-9.6	30.0	
4:2-FTS	N/A	13C2-4:2-FTS	246640.8	4.67	N/A	N/A	N/A	0.000	N/A		30.0	
PFHxA	600204.2	13C5-PFHxA	1597073.8	5.00	0.376	5.51	1.00	2.000	2.084	4.2	30.0	
PFPeS	N/A	13C3-PFBS	469181.2	4.65	N/A	N/A	N/A	0.000	N/A		30.0	
PFHxS	161544.8	13C3-PFHxS	456742.7	4.73	0.354	5.96	1.00	1.890	1.717	-9.2	30.0	
PFHpA	718552.4	13C4-PFHpA	1552578.3	5.00	0.463	5.97	1.00	2.000	2.152	7.6	30.0	
6:2-FTS	N/A	13C2-6:2-FTS	198827.8	4.75	N/A	N/A	N/A	0.000	N/A		30.0	
PFHpS	139569.0	13C3-PFHxS	456742.7	4.73	0.306	6.37	1.07	1.900	1.641	-13.6	30.0	
PFOA	722522.8	13C8-PFOA	2002161.3	5.00	0.361	6.38	1.00	2.000	1.857	-7.2	30.0	
PFOS	148618.7	13C8-PFOS	382917.0	4.78	0.388	6.74	1.00	1.910	1.844	-3.5	30.0	
PFNA	681587.8	13C9-PFNA	1467773.6	5.00	0.464	6.77	1.00	2.000	2.055	2.7	30.0	
PFOSA	N/A	13C8-PFOSA	914144.7	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFNS	N/A	13C8-PFOS	382917.0	4.78	N/A	N/A	N/A	0.000	N/A		30.0	
PFDA	639236.6	13C6-PFDA	1706068.9	5.00	0.375	7.12	1.00	2.000	2.081	4.1	30.0	
8:2-FTS	N/A	13C2-8:2-FTS	243066.1	4.79	N/A	N/A	N/A	0.000	N/A		30.0	
NMePFOSAE	N/A	d7-NMePFOSAE	192208.8	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NMePFOSA	N/A	d3-NMePFOSA	136045.8	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NMeFOSAA	155568.9	d3-NMeFOSAA	339459.0	5.00	0.458	7.30	1.00	2.000	2.159	8.0	30.0	
NEtPFOSAE	N/A	d9-NEtPFOSAE	235841.8	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
NEtPFOSA	N/A	d5-NEtPFOSA	117352.4	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFDS	75551.7	13C8-PFOS	382917.0	4.78	0.197	7.39	1.10	1.930	1.868	-3.2	30.0	
PFUnDA	518548.3	13C7-PFUnDA	969213.2	5.00	0.535	7.44	1.00	2.000	2.068	3.4	30.0	
NEtFOSAA	146746.7	d5-NEtFOSAA	323409.9	5.00	0.454	7.46	1.00	2.000	2.039	2.0	30.0	
PFDoDA	566164.7	13C2-PFDoDA	1459037.4	5.00	0.388	7.74	1.00	2.000	2.062	3.1	30.0	
10:2-FTS	N/A	13C2-8:2-FTS	243066.1	4.79	N/A	N/A	N/A	0.000	N/A		30.0	
PFDoS	N/A	13C8-PFOS	382917.0	4.78	N/A	N/A	N/A	0.000	N/A		30.0	
PFTrDA	551415.4	13C2-PFDoDA	1459037.4	5.00	0.378	8.03	1.04	2.000	2.165	8.2	30.0	
PFTeDA	596409.3	13C2-PFTeDA	1735515.8	5.00	0.344	8.34	1.00	2.000	2.070	3.5	30.0	
PFHxDA	N/A	13C2-PFTeDA	1735515.8	5.00	N/A	N/A	N/A	0.000	N/A		30.0	
PFODA	N/A	13C2-PFTeDA	1735515.8	5.00	N/A	N/A	N/A	0.000	N/A		30.0	

APPROVED
By JPT at 10:52 am, 4/11/18

REVIEWED
By umar at 3:12 pm, 4/11/18

Quality Control Summary
Method Blank
PFAS Group
SDG: ETT60
Matrix: LIQUID

Fraction: PFAS by LC/MS/MS

18080005 / BLK080005 Analyte	Analysis Date	Blank Results	Units	DL	LOD	LOQ
Perfluorooctanoic acid	03/30/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorononanoic acid	03/30/18	N.D.	ng/l	0.40	2.0	2.0
Perfluorodecanoic acid	03/30/18	N.D.	ng/l	1.0	3.0	3.0
Perfluoroundecanoic acid	03/30/18	N.D.	ng/l	0.40	2.0	2.0
Perfluorododecanoic acid	03/30/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorotridecanoic acid	03/30/18	N.D.	ng/l	0.60	2.0	2.0
Perfluorotetradecanoic acid	03/30/18	N.D.	ng/l	0.60	2.0	2.0
Perfluorohexanoic acid	03/30/18	N.D.	ng/l	1.0	3.0	3.0
Perfluoroheptanoic acid	03/30/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorobutanesulfonate	03/30/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorohexanesulfonate	03/30/18	N.D.	ng/l	0.40	2.0	2.0
Perfluoro-octanesulfonate	03/30/18	N.D.	ng/l	0.60	2.0	2.0
Perfluorobutanoic acid	03/30/18	N.D.	ng/l	2.0	6.0	6.0
Perfluoropentanoic acid	03/30/18	N.D.	ng/l	2.0	6.0	6.0
Perfluoroheptanesulfonate	03/30/18	N.D.	ng/l	0.40	2.0	2.0
Perfluorodecanesulfonate	03/30/18	N.D.	ng/l	1.0	3.0	3.0
Perfluorooctanesulfonamide	03/30/18	N.D.	ng/l	1.0	3.0	3.0

18096004 / BLK096004 Analyte	Analysis Date	Blank Results	Units	DL	LOD	LOQ
Perfluorooctanoic acid	04/09/18	1.1	ng/l	0.30	1.0	1.0
Perfluorononanoic acid	04/09/18	N.D.	ng/l	0.40	2.0	2.0
Perfluorodecanoic acid	04/09/18	N.D.	ng/l	1.0	3.0	3.0
Perfluoroundecanoic acid	04/09/18	N.D.	ng/l	0.40	2.0	2.0
Perfluorododecanoic acid	04/09/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorotridecanoic acid	04/09/18	N.D.	ng/l	0.60	2.0	2.0
Perfluorotetradecanoic acid	04/09/18	N.D.	ng/l	0.60	2.0	2.0
Perfluorohexanoic acid	04/09/18	N.D.	ng/l	1.0	3.0	3.0
Perfluoroheptanoic acid	04/09/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorobutanesulfonate	04/09/18	N.D.	ng/l	0.30	1.0	1.0
Perfluorohexanesulfonate	04/09/18	N.D.	ng/l	0.40	2.0	2.0
Perfluoro-octanesulfonate	04/09/18	N.D.	ng/l	0.60	2.0	2.0
Perfluorobutanoic acid	04/09/18	N.D.	ng/l	2.0	6.0	6.0
Perfluoropentanoic acid	04/09/18	N.D.	ng/l	2.0	6.0	6.0
Perfluoroheptanesulfonate	04/09/18	N.D.	ng/l	0.40	2.0	2.0
Perfluorodecanesulfonate	04/09/18	N.D.	ng/l	1.0	3.0	3.0
Perfluorooctanesulfonamide	04/09/18	N.D.	ng/l	1.0	3.0	3.0

Quality Control Summary
Laboratory Control Standard (LCS)
Laboratory Control Standard Duplicate(LCSD)

SDG: ETT60
Matrix: LIQUID

PFAS Group
Fraction: PFAS by LC/MS/MS

LCS: LCS080005	Batch: **18080005** (Sample number(s): 9509982-9509984, 9509986-9509990)							
Analyte	**Spike Added ng/l**	**LCS Conc ng/l**	**LCSD Conc ng/l**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
Perfluorooctanoic acid	5.44	4.95	NA	91	NA	70-130	NA	NA
Perfluorononanoic acid	5.44	5.13	NA	94	NA	70-130	NA	NA
Perfluorodecanoic acid	5.44	5.12	NA	94	NA	70-130	NA	NA
Perfluoroundecanoic acid	5.44	5.61	NA	103	NA	70-130	NA	NA
Perfluorododecanoic acid	5.44	5.23	NA	96	NA	70-130	NA	NA
Perfluorotridecanoic acid	5.44	4.84	NA	89	NA	70-130	NA	NA
Perfluorotetradecanoic acid	5.44	5.74	NA	105	NA	70-130	NA	NA
Perfluorohexanoic acid	5.44	5.18	NA	95	NA	70-130	NA	NA
Perfluoroheptanoic acid	5.44	6.04	NA	111	NA	70-130	NA	NA
Perfluorobutanesulfonate	4.81	4.66	NA	97	NA	70-130	NA	NA
Perfluorohexanesulfonate	5.14	4.61	NA	90	NA	70-130	NA	NA
Perfluoro-octanesulfonate	5.20	4.86	NA	94	NA	70-130	NA	NA
Perfluorobutanoic acid	5.44	5.10 J	NA	94	NA	70-130	NA	NA
Perfluoropentanoic acid	5.44	5.16 J	NA	95	NA	70-130	NA	NA
Perfluoroheptanesulfonate	5.18	4.56	NA	88	NA	70-130	NA	NA
Perfluorodecanesulfonate	5.24	4.83	NA	92	NA	70-130	NA	NA
Perfluorooctanesulfonamide	5.44	4.95	NA	91	NA	70-130	NA	NA

LCS: LCS096004	Batch: **18096004** (Sample number(s): 9509982-9509984, 9509988-9509989)							
Analyte	**Spike Added ng/l**	**LCS Conc ng/l**	**LCSD Conc ng/l**	**LCS %Rec**	**LCSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
Perfluorooctanoic acid	5.44	6.92	NA	127	NA	70-130	NA	NA
Perfluorononanoic acid	5.44	6.89	NA	127	NA	70-130	NA	NA
Perfluorodecanoic acid	5.44	6.24	NA	115	NA	70-130	NA	NA
Perfluoroundecanoic acid	5.44	6.29	NA	116	NA	70-130	NA	NA
Perfluorododecanoic acid	5.44	6.63	NA	122	NA	70-130	NA	NA
Perfluorotridecanoic acid	5.44	6.22	NA	114	NA	70-130	NA	NA
Perfluorotetradecanoic acid	5.44	6.26	NA	115	NA	70-130	NA	NA
Perfluorohexanoic acid	5.44	6.13	NA	113	NA	70-130	NA	NA
Perfluoroheptanoic acid	5.44	6.53	NA	120	NA	70-130	NA	NA
Perfluorobutanesulfonate	4.81	4.98	NA	103	NA	70-130	NA	NA
Perfluorohexanesulfonate	5.14	5.50	NA	107	NA	70-130	NA	NA
Perfluoro-octanesulfonate	5.20	5.27	NA	101	NA	70-130	NA	NA
Perfluorobutanoic acid	5.44	6.08	NA	112	NA	70-130	NA	NA
Perfluoropentanoic acid	5.44	5.97 J	NA	110	NA	70-130	NA	NA
Perfluoroheptanesulfonate	5.18	5.83	NA	113	NA	70-130	NA	NA
Perfluorodecanesulfonate	5.24	5.72	NA	109	NA	70-130	NA	NA
Perfluorooctanesulfonamide	5.44	6.47	NA	119	NA	70-130	NA	NA

PFAS Group
Fraction: PFAS by LC/MS/MS

UNSPK: 9509982 MS: 9509983 MSD: 9509984 **Analyte**	Batch: **18080005** (Sample number(s): 9509982-9509984, 9509986-9509990)								
	Spike Added ng/l MS/MSD	**Unspiked Conc ng/l**	**MS Conc ng/l**	**MSD Conc ng/l**	**MS %Rec**	**MSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
Perfluorooctanoic acid	5.35 / 5.29	12.36	18.2	17.06	109	89	70-130	6	30
Perfluorononanoic acid	5.35 / 5.29	3.09	8.13	8.04	94	94	70-130	1	30
Perfluorodecanoic acid	5.35 / 5.29	N.D.	5.15	4.79	96	91	70-130	7	30
Perfluoroundecanoic acid	5.35 / 5.29	2.75	8.13	7.96	101	99	70-130	2	30
Perfluorododecanoic acid	5.35 / 5.29	N.D.	4.96	5.06	93	96	70-130	2	30
Perfluorotridecanoic acid	5.35 / 5.29	N.D.	4.12	4.87	77	92	70-130	17	30
Perfluorotetradecanoic acid	5.35 / 5.29	N.D.	4.84	5.24	90	99	70-130	8	30
Perfluorohexanoic acid	5.35 / 5.29	10.82	16.46	16.96	105	116	70-130	3	30
Perfluoroheptanoic acid	5.35 / 5.29	9.22	16.21	14.1	131 *	92	70-130	14	30
Perfluorobutanesulfonate	4.74 / 4.68	1.44	5.66	5.79	89	93	70-130	2	30
Perfluorohexanesulfonate	5.06 / 5.00	21.48	29.77	27.5	164 (2)	120 (2)	70-130	8	30
Perfluoro-octanesulfonate	5.12 / 5.06	6.35	12.09	10.86	112	89	70-130	11	30
Perfluorobutanoic acid	5.35 / 5.29	4.38 J	9.10	9.08	88	89	70-130	0	30
Perfluoropentanoic acid	5.35 / 5.29	11.9	17.83	16.18	111	81	70-130	10	30
Perfluoroheptanesulfonate	5.09 / 5.03	N.D.	4.33	4.40	85	87	70-130	2	30
Perfluorodecanesulfonate	5.16 / 5.10	N.D.	4.25	4.34	82	85	70-130	2	30
Perfluorooctanesulfonamide	5.35 / 5.29	N.D.	4.35	4.80	81	91	70-130	10	30

UNSPK: 9509982 MS: 9509983 MSD: 9509984 **Analyte**	Batch: **18096004** (Sample number(s): 9509982-9509984, 9509988-9509989)								
	Spike Added ng/l MS/MSD	**Unspiked Conc ng/l**	**MS Conc ng/l**	**MSD Conc ng/l**	**MS %Rec**	**MSD %Rec**	**%Rec Limits**	**%RPD**	**%RPD Limits**
Perfluorooctanoic acid	9.20 / 5.22	12.14	27.86	18.71	171 *	126	70-130	39 *	30
Perfluorononanoic acid	9.20 / 5.22	3.19	14.91	9.85	127	128	70-130	41 *	30
Perfluorodecanoic acid	9.20 / 5.22	N.D.	10.55	6.50	115	125	70-130	48 *	30
Perfluoroundecanoic acid	9.20 / 5.22	N.D.	12.37	6.11	135 *	117	70-130	68 *	30
Perfluorododecanoic acid	9.20 / 5.22	N.D.	11.21	5.99	122	115	70-130	61 *	30
Perfluorotridecanoic acid	9.20 / 5.22	N.D.	10.1	5.51	110	106	70-130	59 *	30
Perfluorotetradecanoic acid	9.20 / 5.22	N.D.	10.84	5.97	118	114	70-130	58 *	30
Perfluorohexanoic acid	9.20 / 5.22	10.76	24.28	18.	147 *	139 *	70-130	30	30
Perfluoroheptanoic acid	9.20 / 5.22	8.57	23.51	15.98	163 *	142 *	70-130	38 *	30
Perfluorobutanesulfonate	8.13 / 4.61	1.32	10.51	6.45	113	111	70-130	48 *	30
Perfluorohexanesulfonate	8.69 / 4.93	20.77	36.54	26.06	181 *	107 (2)	70-130	33 *	30
Perfluoro-octanesulfonate	8.79 / 4.99	5.91	18.41	11.95	142 *	121	70-130	43 *	30
Perfluorobutanoic acid	9.20 / 5.22	3.29 J	13.84	8.89	115	107	70-130	44 *	30
Perfluoropentanoic acid	9.20 / 5.22	10.92	24.53	18.16	148 *	139 *	70-130	30	30

Comments:
(2) The unspiked sample result is greater than four times the spike added.
* = Out of Specification

Results are being reported on an as received basis.

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FORM 02A
SURROGATES
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C2-PFDODA	13C2-PFTEDA	13C3-PFBS	13C3-PFHXS	13C4-PFBA
	Limits	50-150	50-150	50-150	50-150	50-150
LAB SAMPLE ID	**DATE/TIME**	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
LCS080005	03/30/18 22:13	87	73	85	87	88
9509983MS	03/30/18 22:34	78	46 *	123	85	89
9509984MSD	03/30/18 22:55	84	73	121	85	91
BLK080005	03/30/18 23:36	95	65	98	99	101
9509982	03/30/18 23:56	85	67	126	90	92
9509986	03/31/18 00:17	85	60	129	100	96
9509987	03/31/18 00:37	77	55	137	91	95
9509988	03/31/18 00:58	12 *	4 *	116	57	94
9509989	03/31/18 01:18	82	53	143	77	97
9509990	03/31/18 01:39	102	89	100	93	97
9509988DL2	04/02/18 12:05	106	98	98	90	92

100x

* Outside QC Limits

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FORM 02A
SURROGATES
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C4-PFHPA	13C5-PFHXA	13C5-PFPEA	13C6-PFDA	13C7-PFUNDA
	Limits	50-150	50-150	50-150	50-150	50-150
LAB SAMPLE ID	**DATE/TIME**	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
LCS080005	03/30/18 22:13	85	91	96	94	84
9509983MS	03/30/18 22:34	94	97	119	91	81
9509984MSD	03/30/18 22:55	96	89	121	96	87
BLK080005	03/30/18 23:36	100	99	113	102	104
9509982	03/30/18 23:56	99	92	124	94	85
9509986	03/31/18 00:17	101	98	129	94	85
9509987	03/31/18 00:37	95	92	135	90	85
9509988	03/31/18 00:58	64	81	118	49 *	23 *
9509989	03/31/18 01:18	86	81	130	98	92
9509990	03/31/18 01:39	81	96	102	103	101
9509988DL2	04/02/18 12:05	88	92	94	102	100

100x

* Outside QC Limits

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FORM 02A
SURROGATES
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C8-PFOA	13C8-PFOS	13C8-PFOSA	13C9-PFNA
	Limits	50-150	50-150	50-150	50-150
LAB SAMPLE ID	**DATE/TIME**	% Recovery	% Recovery	% Recovery	% Recovery
LCS080005	03/30/18 22:13	91	85	78	86
9509983MS	03/30/18 22:34	89	77	71	86
9509984MSD	03/30/18 22:55	90	86	72	88
BLK080005	03/30/18 23:36	97	99	99	100
9509982	03/30/18 23:56	89	88	75	84
9509986	03/31/18 00:17	92	87	75	92
9509987	03/31/18 00:37	90	90	73	91
9509988	03/31/18 00:58	76	55	18 *	90
9509989	03/31/18 01:18	89	96	30 *	121
9509990	03/31/18 01:39	91	93	97	98
9509988DL2	04/02/18 12:05	87	90	103	91

100x

* Outside QC Limits

PFOSA reported from 100X dilution

FORM 02A
SURROGATES
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

	18080005		13C2-PFDODA	13C2-PFTEDA	13C3-PFBS	13C3-PFHXS	13C4-PFBA
		Limits	50-150	50-150	50-150	50-150	50-150
	LAB SAMPLE ID	**DATE/TIME**	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
10x	9509988DL	04/04/18 03:01	73	75	68	71	73

* Outside QC Limits

FORM 02A
SURROGATES
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C4-PFHPA	13C5-PFHXA	13C5-PFPEA	13C6-PFDA	13C7-PFUNDA
	Limits	50-150	50-150	50-150	50-150	50-150
LAB SAMPLE ID	**DATE/TIME**	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
9509988DL	04/04/18 03:01	70	74	75	73	74

10x

* Outside QC Limits

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FORM 02A
SURROGATES
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

				13C8-PFOA	13C8-PFOS	13C8-PFOSA	13C9-PFNA
	18080005		**Limits**	50-150	50-150	50-150	50-150
	LAB SAMPLE ID	**DATE/TIME**		% Recovery	% Recovery	% Recovery	% Recovery
10x	9509988DL	04/04/18 03:01		75	70	72	72

* Outside QC Limits

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

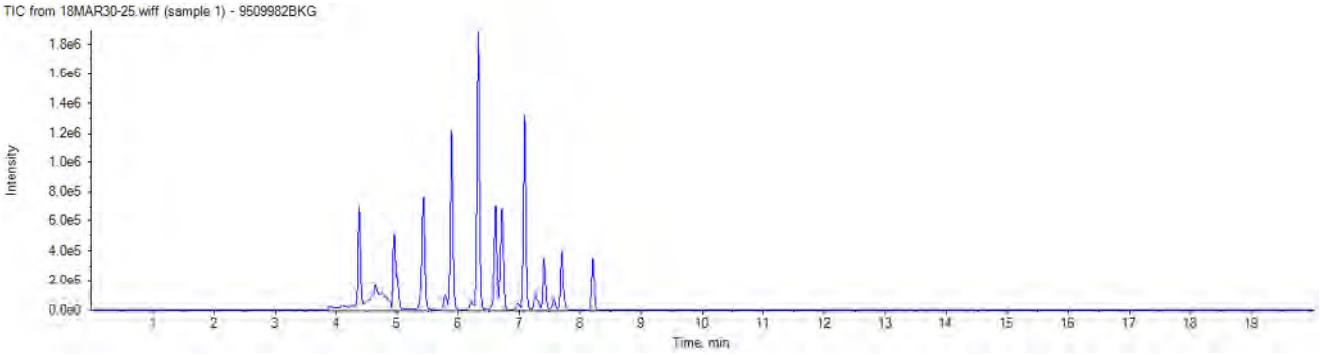
Analyte Quantitation Peak Table

Sample Name: 9509982BKG **Instrument Name:** LM24743 **File Name:** 18MAR30-25.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26224	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	161039.1	M	13C4-PFBA	4.38	838035.6	0.192	4.382
PFPeA	4.95	1.000	546024.0	M	13C5-PFPeA	4.95	902704.5	0.605	11.896
PFBS	5.00	1.000	37695.1	A	13C3-PFBS	5.01	480327.4	0.078	1.437
PFHxA	5.43	1.000	794442.2	M	13C5-PFHxA	5.43	1556022.7	0.511	10.823
PFHxS	5.89	1.000	534667.3	M	13C3-PFHxS	5.89	463366.5	1.154	21.478
PFHpA	5.89	1.000	832620.4	M	13C4-PFHpA	5.89	1673653.9	0.497	9.220
PFHpS	6.31	1.070	4973.9	M	13C3-PFHxS	5.89	463366.5	0.011	0.220
PFOA	6.33	1.000	1157979.6	M	13C8-PFOA	6.33	1904647.0	0.608	12.364
PFOS	6.61	0.990	136005.7	M	13C8-PFOS	6.70	391602.2	0.347	6.355
PFNA	6.73	1.000	240554.4	M	13C9-PFNA	6.72	1268646.5	0.190	3.089
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.10	681910.7	N/A	
PFDA	7.09	1.000	16890.8	M	13C6-PFDA	7.09	1580493.3	0.011	0.227
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	391602.2	N/A	
PFUnDA	7.31	0.990	151599.3	M	13C7-PFUnDA	7.41	753974.6	0.201	2.747
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	1056662.6	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	1056662.6	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.21	960930.9	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 9:20 am, 4/9/18

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FORM 08A
INTERNAL STANDARDS
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C2-PFDA	13C2-PFOA	13C3-PFBA	13C4-PFOS
		Area	Area	Area	Area
Average ICAL Response		1452662	1853772	1351416	515297
UPPER LIMIT		2178993	2780658	2027124	772946
LOWER LIMIT		726331	926886	675708	257649
LAB SAMPLE ID	**DATE ANALYZED**				
LCS080005	03/30/18 22:13	1330010	1707896	1165700	445720
9509983MS	03/30/18 22:34	1242985	1720205	864795	456962
9509984MSD	03/30/18 22:55	1298945	1718204	846203	478324
BLK080005	03/30/18 23:36	1257397	1764854	1154087	428239
9509982	03/30/18 23:56	1232810	1682375	844882	455928
9509986	03/31/18 00:17	1301222	1701185	851181	460339
9509987	03/31/18 00:37	1308327	1766791	795469	451823
9509988	03/31/18 00:58	1223526	1552873	861885	259296
9509989	03/31/18 01:18	1571777	2093615	766429	453518
9509990	03/31/18 01:39	1245367	1834501	1158010	463539
9509988DL2	04/02/18 12:05	1377877	1968231	1272154	525016

AREA: Upper limit: 150% of the internal standard area.
Lower Limit: 50% of the internal standard area.

* Outside QC Limits

eurofins | Lancaster Laboratories Environmental

FORM 08A
INTERNAL STANDARDS
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C2-PFDA	13C2-PFOA	13C3-PFBA	13C4-PFOS
		Area	Area	Area	Area
Average ICAL Response		1521482	1927063	1069642	472838
UPPER LIMIT		2282223	2890595	1604463	709257
LOWER LIMIT		760741	963532	534821	236419
LAB SAMPLE ID	**DATE ANALYZED**				
9509988DL	04/04/18 03:01	1785428	2307041	1343387	549556

AREA: Upper limit: 150% of the internal standard area.
Lower Limit: 50% of the internal standard area.

* Outside QC Limits

eurofins | Lancaster Laboratories Environmental

FORM 08A
INTERNAL STANDARDS
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C2-PFDA	13C2-PFOA	13C3-PFBA	13C4-PFOS
		Area	Area	Area	Area
Average ICAL Response		1452662	1853772	1351416	515297
UPPER LIMIT		2178993	2780658	2027124	772946
LOWER LIMIT		726331	926886	675708	257649
LAB SAMPLE ID	**DATE ANALYZED**				
LCS080005	03/30/18 22:13	1330010	1707896	1165700	445720
9509983MS	03/30/18 22:34	1242985	1720205	864795	456962
9509984MSD	03/30/18 22:55	1298945	1718204	846203	478324
BLK080005	03/30/18 23:36	1257397	1764854	1154087	428239
9509982	03/30/18 23:56	1232810	1682375	844882	455928
9509986	03/31/18 00:17	1301222	1701185	851181	460339
9509987	03/31/18 00:37	1308327	1766791	795469	451823
9509988	03/31/18 00:58	1223526	1552873	861885	259296
9509989	03/31/18 01:18	1571777	2093615	766429	453518
9509990	03/31/18 01:39	1245367	1834501	1158010	463539
9509988DL2	04/02/18 12:05	1377877	1968231	1272154	525016

AREA: Upper limit: 150% of the internal standard area.
Lower Limit: 50% of the internal standard area.

* Outside QC Limits

eurofins | Lancaster Laboratories Environmental

FORM 08A
INTERNAL STANDARDS
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18080005		13C2-PFDA	13C2-PFOA	13C3-PFBA	13C4-PFOS
		Area	Area	Area	Area
Average ICAL Response		1521482	1927063	1069642	472838
UPPER LIMIT		2282223	2890595	1604463	709257
LOWER LIMIT		760741	963532	534821	236419
LAB SAMPLE ID	**DATE ANALYZED**				
9509988DL	04/04/18 03:01	1785428	2307041	1343387	549556

AREA: Upper limit: 150% of the internal standard area.
Lower Limit: 50% of the internal standard area.

* Outside QC Limits

eurofins | Lancaster Laboratories Environmental

FORM 08A
INTERNAL STANDARDS
LC/MS/MS

SDG No.: ETT60
Matrix: WATER

18096004		13C2-PFDA	13C2-PFOA	13C3-PFBA	13C4-PFOS
		Area	Area	Area	Area
Average ICAL Response		1175142	1467690	966399	375629
UPPER LIMIT		1762713	2201535	1449599	563444
LOWER LIMIT		587571	733845	483200	187815
LAB SAMPLE ID	**DATE ANALYZED**				
LCS096004	04/09/18 17:07	1263228	1481550	1035283	385385
9509983MSRE	04/09/18 17:23	1158854	1511979	861534	357342
9509984MSDRE	04/09/18 17:38	1231908	1543947	799120	378144
BLK096004	04/09/18 18:09	1247970	1564347	1018204	376245
9509982RE	04/09/18 18:25	1219661	1504124	785646	361460
9509988RE	04/09/18 18:40	1369604	1593173	824397	256801
9509989RE	04/09/18 18:56	1416586	1836845	767969	378192

AREA: Upper limit: 150% of the internal standard area.
Lower Limit: 50% of the internal standard area.

* Outside QC Limits

Fraction: PFAS by LC/MS/MS

14434: PFAS in Water by LC/MS/MS-DoD Analyte Name	Default DL	Default LOD	Default LOQ	Units
Perfluorooctanoic acid	.3	1	1.0	ng/l
Perfluorononanoic acid	.4	2	2.0	ng/l
Perfluorodecanoic acid	1	3	3.0	ng/l
Perfluoroundecanoic acid	.4	2	2.0	ng/l
Perfluorododecanoic acid	.3	1	1.0	ng/l
Perfluorotridecanoic acid	.6	2	2.0	ng/l
Perfluorotetradecanoic acid	.6	2	2.0	ng/l
Perfluorohexanoic acid	1	3	3.0	ng/l
Perfluoroheptanoic acid	.3	1	1.0	ng/l
Perfluorobutanesulfonate	.3	1	1.0	ng/l
Perfluorohexanesulfonate	.4	2	2.0	ng/l
Perfluoro-octanesulfonate	.6	2	2.0	ng/l
Perfluorobutanoic acid	2	6	6.0	ng/l
Perfluoropentanoic acid	2	6	6.0	ng/l
Perfluoroheptanesulfonate	.4	2	2.0	ng/l
Perfluorodecanesulfonate	1	3	3.0	ng/l
Perfluorooctanesulfonamide	1	3	3.0	ng/l

Organic Extraction Batchlog Assigned to: ~~26543 Anthony Polaski~~ Reviewed by: MCD 7824 Start Date: 3/21/18 Start time: 7:35

18080005 Tech 1: PJR 9213 Tech 2: _____

Analyses on Batch: PFAS in Water by LC/MS/MS-DoD

Dept: 33 Prep Analysis: 14465 PFAS Water Prep - DoD

Port#	QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (uL)	IS amt (uL)	BC	Comments
6	9509983MS	T1132	254.08	SSMODX1833S	0.025	MSMODX1833J	0.040	1ml.	20	173a	
7	9509984MSD	T1132	257.07	SSMODX1833S	0.025	MSMODX1833J	0.040	↓	↓	173a	
3	BLANKA	BLK080005	250	SSMODX1833S	0.025	—	—	↓	↓	7	
4	LCSA	LCS080005	↓	SSMODX1833S	0.025	MSMODX1833J	0.040	↓	1	7	

Spike Solutions: Witness: JWK9524 Instrument: LM24743

MSMODX1833J PFAS 537 Native Spike

SSMODX1833S PFAS 537 Modified Extraction/Surrogate Spik Sequence: 18MAR26MOD/18MAR30 + 18APR02 18APR03MOD - 18APR03

Port#	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (uL)	IS Amt (uL)	BC	Comments	Analyses	Due Date	Prio
5	1 9509982	BKG T113:	262.24	SSMODX1833S	0.025	1ml.	20	173a		14434	04/02/2018	N
8	2 9509986	FD T1FD	257.83	SSMODX1833S	0.025	↓	↓	173a		14434	04/02/2018	N
9	3 9509987	T111	256.17	SSMODX1833S	0.025	↓	↓	173a		14434	04/02/2018	N
10	4 9509988	11BR	262.67	SSMODX1833S	0.025	↓	↓	173a	D100, D10	14434	04/02/2018	N
11	5 9509989	12BR	257.61	SSMODX1833S	0.025	↓	↓	173a		14434	04/02/2018	N
12	6 9509990	FB W15F	260.91	SSMODX1833S	0.025	↓	↓	173a		14434	04/02/2018	N

ETT60 Page 3917 of 4253

ACP26543 3/22/18

Balance #	BL0797W4122	SPE Manifold	6	N-evap	29 C

18080005

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Reagents used During Extraction

Reagent/Material/Equip	Lot No./ID No.
0.3% NH4OH:MeOH	921303211833A
1:1 ACN:MeOH	2547803181833A
Auto-pipette (dilutions)	P1000-3; P-100-1
Auto-pipette (extract vialin	P1000-3
Envi-Carb	95303
Internal Standard	IS1808833B
Methanol	DT 149-US
Milli-Q H2O	house A223
SPE Cartridge #1	U387380-09
Syringe (IS)	PFAS-4
Syringe (MS)	PFAS 10
Syringe (SS)	PFAS 9
Trizma	—

DL100- 965 uL MeOH (DT493-US) + 2.5 uL Surrogate (SSMOD x 1833V) + 10 uL Sample

D10 prepared using 877 uL methanol (DT493-US), 22.5 uL surrogate (SSMOD x 1833W) and 100 uL sample. 400 uL of soln internalized w/ 20 uL internal, IS1809333A.

MED 7814 4/3/18

Organic Extraction Batchlog

18096004

Assigned to: 9213 Pamela Rothharpt PJR9213 ② 4/6/18 Tech 1: PR PJR9213

Reviewed by: SPT2202

Start Date: 4/6/18

Start time: 7:30

Tech 2:

Analyses on Batch: PFAS in Water by LC/MS/MS-DoD

Dept: 33 Prep Analysis: 14465 PFAS Water Prep - DoD ③ PJR9213 4/6/18

Port#	QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (uL)	IS amt (uL)	BC	Comments
4	9509983MS *	T1132 ③	~~200~~ 147.91	SSMODX1833X	0.025	MSMODX1833L	0.040	1ml	20	173b	
5	9509984MSD	T1132	240.71	SSMODX1833X	0.025	MSMODX1833L	0.040	↓	↓	173b	
1	BLANKA	BLK096004	250	SSMODX1833X	0.025	—	—	↓	↓	Z	
2	LCSA	LCS096004	↓	SSMODX1833X	0.025	MSMODX1833L	0.040	↓	↓	Z	

Spike Solutions:
MSMODX1833L PFAS 537 Native Spike
SSMODX1833X PFAS 537 Modified Extraction/Surrogate Spik

Witness: JWK9524

Instrument: LM24743

Sequence: 18APR09MOD/18APR09

Port#	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (uL)	IS Amt (uL)	BC	Comments	Analyses	Due Date	Prio
3	1 9509982 R	BKG T113:	250.45	SSMODX1833X	0.025	1ml	20	173b		14434	04/02/2018	N
6	2 9509988 R	11BR	240.41	SSMODX1833X	0.025	↓	↓	173b		14434	04/02/2018	N
7	3 9509989 R	12BR	262.56	SSMODX1833X	0.025	↓	↓	173b		14434	04/02/2018	N

*limited sample. PJR9213 4/6/18
147.91g (9509983MS)

ETT60 Page 3919 of 4253

Balance #	B297404122

4/8/18DDM25478

SPE Manifold	8	N-evap	29 C

18096004

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.

Reagents used During Extraction

Reagent/Material/Equip	Lot No./ID No.
0.3% NH4OH:MeOH	921304061833A
1:1 ACN:MeOH	2654304041833A
Auto-pipette (dilutions)	
Auto-pipette (extract vialin	P1000-3
Envi-Carb	95303
Internal Standard	IS1809633A
Methanol	DT632-US
Milli-Q H2O	house A223
SPE Cartridge #1	6387380-09
Syringe (IS)	PFAS4
Syringe (MS)	PFAS10
Syringe (SS)	PFAS9
Trizma	———

CALCULATION CHECK

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509986			**Data File:**		18MAR30-26.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 TF1-DUP05-031618 Grab Groundwater			**Acquis Date:**		2018-03-31T00:17:10
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	18			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.25783			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	851180.8	1351416.2	-37.0	50.0	
I13C2-PFOA	5.0	1701184.9	1853772.3	-8.2	50.0	
I13C4-PFOS	4.8	460338.5	515296.6	-10.7	50.0	
I13C2-PFDA	5.0	1301222.4	1452662.3	-10.4	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	889093.1	13C3-PFBA	851180.8	1.045	1.083	19.393	18.711	96.5	50.0-150.0	
E13C5-PFPeA	947474.2	13C3-PFBA	851180.8	1.113	0.864	19.393	24.976	128.8	50.0-150.0	
E13C3-PFBS	496909.9	13C3-PFBA	851180.8	0.584	0.451	18.035	23.345	129.4	50.0-150.0	
E13C5-PFHxA	1670374.1	13C2-PFOA	1701184.9	0.982	1.000	19.393	19.033	98.1	50.0-150.0	
E13C3-PFHxS	520921.9	13C2-PFOA	1701184.9	0.306	0.307	18.345	18.272	99.6	50.0-150.0	
E13C4-PFHpA	1725466.3	13C2-PFOA	1701184.9	1.014	1.008	19.393	19.512	100.6	50.0-150.0	
E13C8-PFOA	1994195.8	13C2-PFOA	1701184.9	1.172	1.270	19.393	17.901	92.3	50.0-150.0	
E13C8-PFOS	392129.0	13C4-PFOS	460338.5	0.852	0.979	18.539	16.126	87.0	50.0-150.0	
E13C9-PFNA	1413590.0	13C4-PFOS	460338.5	3.071	3.324	19.393	17.915	92.4	50.0-150.0	
E13C8-PFOSA	722106.2	13C2-PFDA	1301222.4	0.555	0.737	19.393	14.608	75.3	50.0-150.0	
E13C6-PFDA	1673144.3	13C2-PFDA	1301222.4	1.286	1.363	19.393	18.293	94.3	50.0-150.0	
E13C7-PFUnDA	786779.8	13C2-PFDA	1301222.4	0.605	0.715	19.393	16.389	84.5	50.0-150.0	
E13C2-PFDoDA	1118072.6	13C2-PFDA	1301222.4	0.859	1.007	19.393	16.541	85.3	50.0-150.0	
E13C2-PFTeDA	907424.7	13C2-PFDA	1301222.4	0.697	1.171	19.393	11.552	59.6	50.0-150.0	

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 10:59 am, 4/9/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

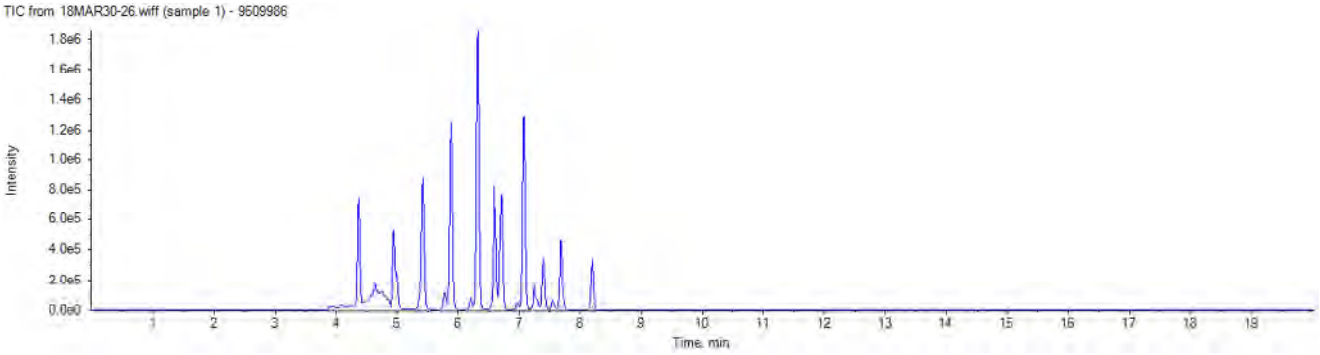
Analyte Quantitation Peak Table

Sample Name: 9509986 **Instrument Name:** LM24743 **File Name:** 18MAR30-26.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.25783	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	164978.8	M	13C4-PFBA	4.37	889093.1	0.186	4.303
PFPeA	4.94	1.000	573368.5	M	13C5-PFPeA	4.94	947474.2	0.605	12.105
PFBS	5.00	1.000	41120.8	A	13C3-PFBS	5.00	496909.9	0.083	1.541
PFHxA	5.42	1.000	883783.3	M	13C5-PFHxA	5.42	1670374.1	0.529	11.408
PFHxS	5.88	1.000	582252.7	M	13C3-PFHxS	5.88	520921.9	1.118	21.161
PFHpA	5.88	1.000	905897.9	M	13C4-PFHpA	5.88	1725466.3	0.525	9.896
PFHpS	6.30	1.070	4594.3	M	13C3-PFHxS	5.88	520921.9	0.009	0.184
PFOA	6.32	1.000	1265231.3	M	13C8-PFOA	6.32	1994195.8	0.634	13.123
PFOS	6.59	0.990	142325.1	M	13C8-PFOS	6.69	392129.0	0.363	6.755
PFNA	6.71	1.000	256183.9	M	13C9-PFNA	6.71	1413590.0	0.181	3.003
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.08	722106.2	N/A	
PFDA	7.07	1.000	16383.6	M	13C6-PFDA	7.07	1673144.3	0.010	0.212
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.69	392129.0	N/A	
PFUnDA	7.30	0.990	155728.0	M	13C7-PFUnDA	7.39	786779.8	0.198	2.750
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1118072.6	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.69	1118072.6	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.20	907424.7	N/A	

Total Ion Chromatogram

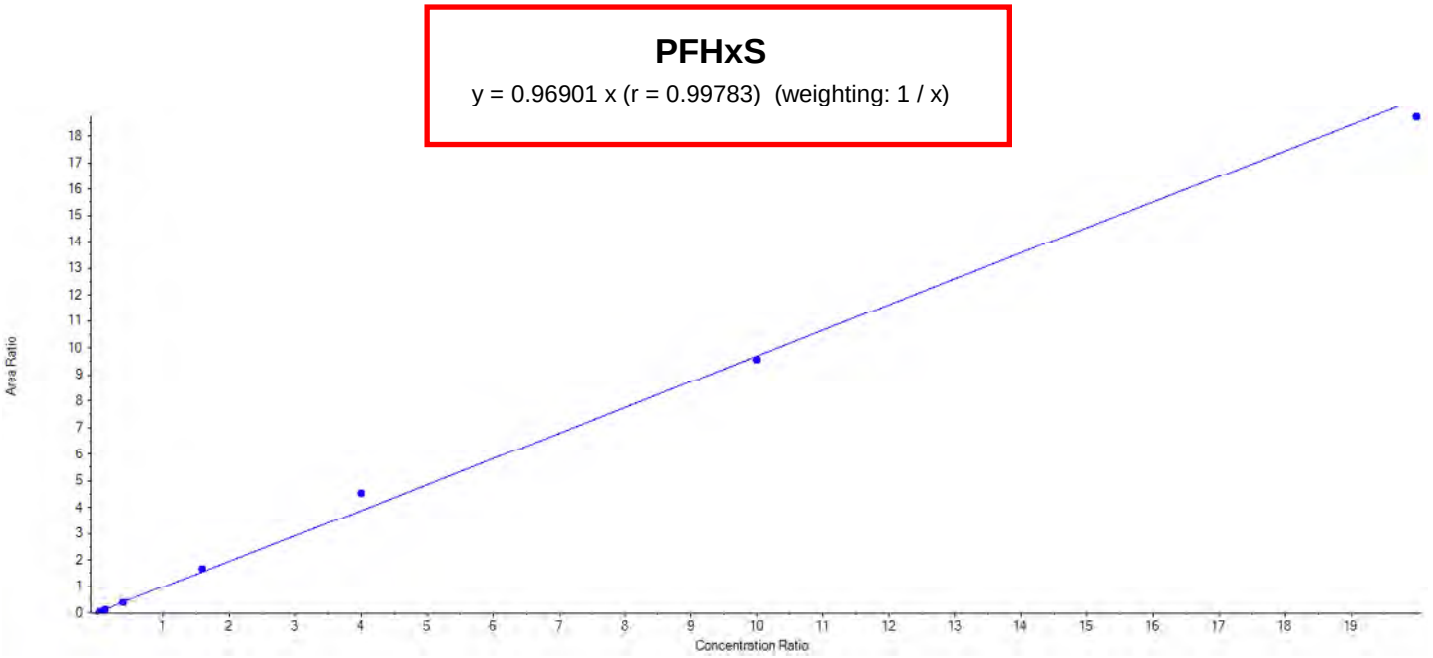


APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 10:59 am, 4/9/18

DOD Initial Calibration Verification

Instrument ID: LM24743 **ICAL Name:** 18MAR26DCAL **QMethod Name:** SF-PFCMOD-17AUG01
Result Table: 18MAR26DCAL 32 compounds + sec3/27/2018 2:25:29 PM **Acquisition Method:** PFC-32-18MAR26.dam



Component Calibration Verification

Sample Name	PFHxS Area	S/N	13C3-PFHxS Area	Used	ES Conc	Area Ratio	RT (min)	RRT	Spec Amount	Calc Amount	%Diff	%D Limit	%D OOS
CAL1	24742.0	156.9	626453.8	True	4.73	0.039	5.91	1.000	0.190	0.193	1.5	30.0	
CAL2	73978.5	536.1	651153.2	True	4.73	0.114	5.91	1.000	0.570	0.555	-2.7	30.0	
CAL3	233600.2	1362.3	592884.7	True	4.73	0.394	5.90	1.000	1.890	1.923	1.8	30.0	
CAL4	961233.5	3803.2	577639.2	True	4.73	1.664	5.90	1.000	7.560	8.123	7.4	30.0	
CAL5	2434966.5	6460.6	536141.3	True	4.73	4.542	5.91	1.000	18.910	22.169	17.2	30.0	
CAL6	5117942.4	8642.1	535931.8	True	4.73	9.550	5.90	1.000	47.280	46.614	-1.4	30.0	
CAL7	8804439.3	10014.8	470346.7	True	4.73	18.719	5.90	1.000	94.550	91.373	-3.4	30.0	

APPROVED
By MSM at 3:27 pm, 3/27/18

REVIEWED
By ucmr at 12:41 pm, 3/31/18

NAVSTA Newport WE15 Tank Farm 1
SDG ETT60

Sample Identification		TF1-DUP05-031618FD	
Compound	Perfluorohexanesulfonic acid	PFHxS	
Compound Area		582252.7	
Internal Standard Amount (ng)		18.345	
Dilution Factor		1	
Internal Standard Area		520921.9	
Volume Extract (ml)		1	
Injection Volume (µl)		1	
Result before curve fit		20.5049	
Calibration curve	y=0.96901*x		
Concentration		21.16062	ng/L
Aliquot		1	ml
Final Volume		1	ml
Result		21.16062	ng/L

ICAL Name: 18APR09DCAL **Result Table:** 18096004 4/10/2018 1:16:29 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18APR03-Divert.dam

Sample Name:	9509988RE			**Data File:**		18APR09-11.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18096004 GRAB-11BERM-031618 Grab Groundwater			**Acquis Date:**		2018-04-09T18:40:49
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	59			**Acquis Method:**		PFC-32-18APR03-Divert.dam
Injection Vol:	2.00			**Result Table:**		18096004
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18APR09DCAL
Batch Number:	18096004			**Operator:**		Not calculated
Sample Wt.:	0.26041			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	824397.3	966399.1	-14.7	50.0	
I13C2-PFOA	5.0	1593172.8	1467689.5	8.6	50.0	
I13C4-PFOS	4.8	256801.0	375628.9	-31.6	50.0	
I13C2-PFDA	5.0	1369604.4	1175142.0	16.5	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	775966.0	13C3-PFBA	824397.3	0.941	1.081	19.200	16.721	87.1	50.0-150.0	
E13C5-PFPeA	702067.7	13C3-PFBA	824397.3	0.852	0.918	19.200	17.817	92.8	50.0-150.0	
E13C3-PFBS	382393.3	13C3-PFBA	824397.3	0.464	0.463	17.856	17.876	100.1	50.0-150.0	
E13C5-PFHxA	1151414.5	13C2-PFOA	1593172.8	0.723	1.058	19.200	13.117	68.3	50.0-150.0	
E13C3-PFHxS	251575.9	13C2-PFOA	1593172.8	0.158	0.282	18.164	10.175	56.0	50.0-150.0	
E13C4-PFHpA	981135.7	13C2-PFOA	1593172.8	0.616	1.018	19.200	11.617	60.5	50.0-150.0	
E13C8-PFOA	1435471.3	13C2-PFOA	1593172.8	0.901	1.249	19.200	13.851	72.1	50.0-150.0	
E13C8-PFOS	161073.4	13C4-PFOS	256801.0	0.627	0.993	18.356	11.591	63.1	50.0-150.0	
E13C9-PFNA	785043.5	13C4-PFOS	256801.0	3.057	3.757	19.200	15.621	81.4	50.0-150.0	
E13C8-PFOSA	194510.5	13C2-PFDA	1369604.4	0.142	0.718	19.200	3.797	19.8	50.0-150.0	OOS
E13C6-PFDA	1090445.1	13C2-PFDA	1369604.4	0.796	1.478	19.200	10.342	53.9	50.0-150.0	
E13C7-PFUnDA	524199.6	13C2-PFDA	1369604.4	0.383	0.785	19.200	9.362	48.8	50.0-150.0	OOS
E13C2-PFDoDA	598014.2	13C2-PFDA	1369604.4	0.437	1.195	19.200	7.013	36.5	50.0-150.0	OOS
E13C2-PFTeDA	438133.9	13C2-PFDA	1369604.4	0.320	1.380	19.200	4.451	23.2	50.0-150.0	OOS

APPROVED
By JPT12262 at 1:25 pm, 4/10/18

REVIEWED
By umar at 4:11 pm, 4/11/18

ICAL Name: 18APR09DCAL **Result Table:** 18096004 4/10/2018 1:16:29 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18APR03-Divert.dam

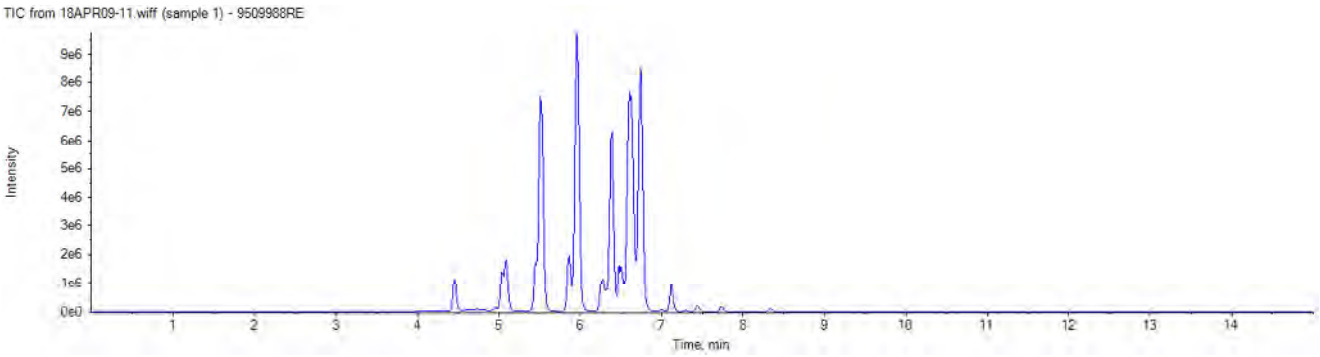
Analyte Quantitation Peak Table

Sample Name: 9509988RE **Instrument Name:** LM24743 **File Name:** 18APR09-11.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26041	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.45	1.000	1623748.5	A	13C4-PFBA	4.45	775966.0	2.093	48.387
PFPeA	5.04	1.000	3498145.2	M	13C5-PFPeA	5.04	702067.7	4.983	97.964
PFBS	5.09	1.000	4656933.0	A	13C3-PFBS	5.09	382393.3	12.178	213.282
PFHxA	5.51	1.000	26055910.7	M	13C5-PFHxA	5.51	1151414.5	22.629	481.803
PFHxS	5.96	1.000	28332571.4	M	13C3-PFHxS	5.96	251575.9	112.620	2098.901
PFHpA	5.97	1.000	2982911.2	A	13C4-PFHpA	5.97	981135.7	3.040	54.299
PFHpS	6.37	1.070	3251254.8	A	13C3-PFHxS	5.96	251575.9	12.924	266.544
PFOA	6.38	1.000	13040484.9	M	13C8-PFOA	6.39	1435471.3	9.084	179.495
PFOS	6.65	0.990	62942351.7	M	13C8-PFOS	6.74	161073.4	390.768	7129.171
PFNA	6.77	1.000	43247.9	M	13C9-PFNA	6.77	785043.5	0.055	0.936
PFOSA	7.00	1.000	4272.7	M	13C8-PFOSA	7.00	194510.5	0.022	0.421
PFDA	7.12	1.000	13021.2	M	13C6-PFDA	7.12	1090445.1	0.012	0.255
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.74	161073.4	N/A	
PFUnDA	7.43	1.000	7041.9	M	13C7-PFUnDA	7.43	524199.6	0.013	0.199
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.73	598014.2	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.73	598014.2	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.34	438133.9	N/A	

Total Ion Chromatogram



APPROVED
By JPT12262 at 1:25 pm, 4/10/18

REVIEWED
By umar at 4:11 pm, 4/11/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

Sample Name:	9509988			**Data File:**		18MAR30-28.wiff
Sample ID:	EPA 537 mod QSM 5.1 table B-15 18080005 GRAB-11BERM-031618 Grab Groundwater			**Acquis Date:**		2018-03-31T00:58:16
Sample Type:	Unknown			**Instrument:**		LM24743
Vial Position:	20			**Acquis Method:**		PFC-32-18MAR26.dam
Injection Vol:	3.00			**Result Table:**		18080005_DOD
QMethod File:	SF-PFCMOD-18MAR26			**ICAL Name:**		18MAR26DCAL
Batch Number:	18080005			**Operator:**		Not calculated
Sample Wt.:	0.26267			**Dilution Factor:**		1.00
Sample Vol.:	1.000			**Prep Factor:**		1.000

Injection Standard Peak Table

Injection Standard Name	Inj Std Conc	Injection Std Peak Area	ICAL Injection Standard AVG	Injection Std %Diff	Injection Std %Diff Limit	Injection Std %Diff OOS
I13C3-PFBA	5.0	861885.0	1351416.2	-36.2	50.0	
I13C2-PFOA	5.0	1552873.3	1853772.3	-16.2	50.0	
I13C4-PFOS	4.8	259295.8	515296.6	-49.7	50.0	
I13C2-PFDA	5.0	1223525.9	1452662.3	-15.8	50.0	

Extraction Standard Peak Table

Extraction Standard Name	Ext Std Area	Inj Std Name	Inj Std Area	Area Ratio	AVG Area Ratio	Ext Std Conc	Ext Std Result	Ext Std %REC	Ext Std %REC Limit	Ext Std OOS
E13C4-PFBA	880367.6	13C3-PFBA	861885.0	1.021	1.083	19.035	17.960	94.4	50.0-150.0	
E13C5-PFPeA	879221.7	13C3-PFBA	861885.0	1.020	0.864	19.035	22.467	118.0	50.0-150.0	
E13C3-PFBS	450780.3	13C3-PFBA	861885.0	0.523	0.451	17.703	20.530	116.0	50.0-150.0	
E13C5-PFHxA	1265586.2	13C2-PFOA	1552873.3	0.815	1.000	19.035	15.507	81.5	50.0-150.0	
E13C3-PFHxS	273676.6	13C2-PFOA	1552873.3	0.176	0.307	18.007	10.323	57.3	50.0-150.0	
E13C4-PFHpA	994608.4	13C2-PFOA	1552873.3	0.640	1.008	19.035	12.095	63.5	50.0-150.0	
E13C8-PFOA	1502287.1	13C2-PFOA	1552873.3	0.967	1.270	19.035	14.501	76.2	50.0-150.0	
E13C8-PFOS	140041.3	13C4-PFOS	259295.8	0.540	0.979	18.198	10.036	55.2	50.0-150.0	
E13C9-PFNA	776966.7	13C4-PFOS	259295.8	2.996	3.324	19.035	17.160	90.1	50.0-150.0	
E13C8-PFOSA	164820.7	13C2-PFDA	1223525.9	0.135	0.737	19.035	3.481	18.3	50.0-150.0	OOS
E13C6-PFDA	825511.8	13C2-PFDA	1223525.9	0.675	1.363	19.035	9.422	49.5	50.0-150.0	OOS
E13C7-PFUnDA	199980.1	13C2-PFDA	1223525.9	0.163	0.715	19.035	4.349	22.8	50.0-150.0	OOS
E13C2-PFDoDA	150380.4	13C2-PFDA	1223525.9	0.123	1.007	19.035	2.322	12.2	50.0-150.0	OOS
E13C2-PFTeDA	52036.1	13C2-PFDA	1223525.9	0.043	1.171	19.035	0.692	3.6	50.0-150.0	OOS

APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 3:26 pm, 4/11/18

ICAL Name: 18MAR26DCAL **Result Table:** 18080005_DOD 4/3/2018 8:01:55 PM
QMethod Name: SF-PFCMOD-18MAR26 **Acquisition Method:** PFC-32-18MAR26.dam

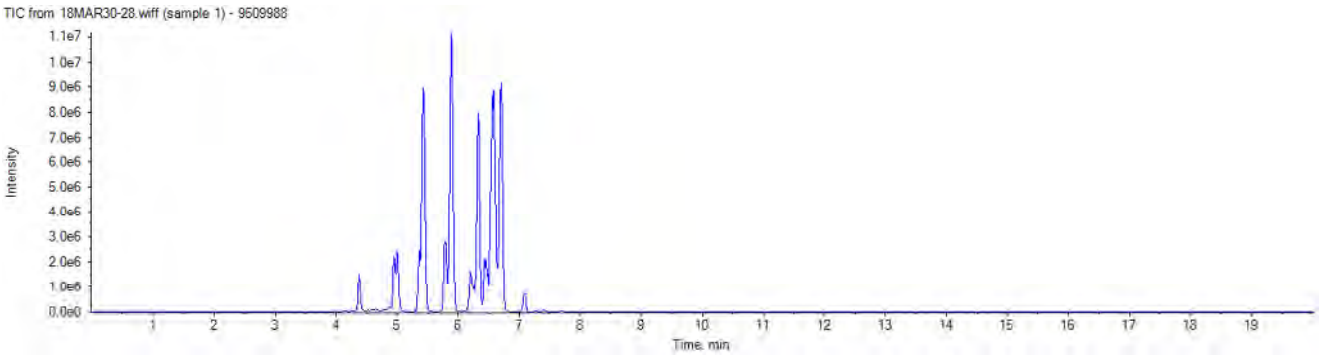
Analyte Quantitation Peak Table

Sample Name: 9509988 **Instrument Name:** LM24743 **File Name:** 18MAR30-28.wiff

Sample Wt	Sample Vol	Dilution Factor	PrepFactor
0.26267	1.000	1.00	1.000

Analyte Name	RT	RRT	Analyte Area Response	Int Typ	ES Name	ES RT	ES Area Response	Area Ratio	Sample Result (ng/L)
PFBA	4.37	1.000	2172508.1	A	13C4-PFBA	4.37	880367.6	2.468	56.177
PFPeA	4.95	1.000	5253435.8	M	13C5-PFPeA	4.95	879221.7	5.975	117.319
PFBS	5.00	1.000	6049847.7	A	13C3-PFBS	5.00	450780.3	13.421	245.283
PFHxA	5.43	1.000	29382198.3	M	13C5-PFHxA	5.43	1265586.2	23.216	491.360
PFHxS	5.89	1.000	33087777.9	M	13C3-PFHxS	5.89	273676.6	120.901	2246.746
PFHpA	5.90	1.000	3442035.8	M	13C4-PFHpA	5.90	994608.4	3.461	64.031
PFHpS	6.31	1.070	4345960.9	M	13C3-PFHxS	5.89	273676.6	15.880	325.089
PFOA	6.33	1.000	15705998.8	M	13C8-PFOA	6.33	1502287.1	10.455	212.263
PFOS	6.60	0.990	70113956.4	M	13C8-PFOS	6.70	140041.3	500.666	9145.997
PFNA	6.73	1.000	43599.7	M	13C9-PFNA	6.73	776966.7	0.056	0.913
PFOSA	N/A	N/A	N/A	A	13C8-PFOSA	7.10	164820.7	N/A	
PFDA	7.08	1.000	12939.8	M	13C6-PFDA	7.09	825511.8	0.016	0.333
PFDS	N/A	N/A	N/A	A	13C8-PFOS	6.70	140041.3	N/A	
PFUnDA	7.31	0.990	8770.5	M	13C7-PFUnDA	7.41	199980.1	0.044	0.598
PFDoDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	150380.4	N/A	
PFTrDA	N/A	N/A	N/A	A	13C2-PFDoDA	7.70	150380.4	N/A	
PFTeDA	N/A	N/A	N/A	A	13C2-PFTeDA	8.21	52036.1	N/A	

Total Ion Chromatogram



APPROVED
By MCD at 8:14 pm, 4/3/18

REVIEWED
By umar at 3:26 pm, 4/11/18

DODCMD_ID	INSTALLATION_ID	SDG	SITE_NAME	NORM_SITE_NAME	LOCATION_NAME	LOCATION_TYPE_DESC	COORD_X	COORD_Y	CONTRACT_ID	DO_CTO_NUMBER	CONTR_NAME	SAMPLE_NAME	SAMPLE_MATRIX_DESC	SAMPLE_TYPE_DESC	COLLECT_DATE	ANALYTICAL_METHOD	ANALYTICAL_METHOD_GRP_DESC
MID_ATLANTIC	NEWPORT_NS	ETT60	SITE 00007	SITE 00007	TF1-GT-132	Monitoring well	388446.11	184419.32	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-132-031618-D	Ground water	Field duplicate	16-Mar-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	ETT60	SITE 00007	SITE 00007	12BERM	Surface water body - nonspecific	387757.2775	184002.2076	N6247016D9008	WE15	TETRA TECH, INC.	GRAB-12BERM-031618	Ground water	Normal (Regular)	16-Mar-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	ETT60	SITE 00007	SITE 00007	TF1-GZ-111	Monitoring well	388472.94	184107.26	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GZ-111-031618	Ground water	Normal (Regular)	16-Mar-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	ETT60							N6247016D9008	WE15	TETRA TECH, INC.	FRB-031618	Water for QC samples	Field Reagent Blank	16-Mar-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	ETT60	SITE 00007	SITE 00007	11BERM	Surface water body - nonspecific	387869.336	184196.0756	N6247016D9008	WE15	TETRA TECH, INC.	GRAB-11BERM-031618	Ground water	Normal (Regular)	16-Mar-18	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	ETT60	SITE 00007	SITE 00007	TF1-GT-132	Monitoring well	388446.11	184419.32	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-132-031618	Ground water	Normal (Regular)	16-Mar-18	537	Perfluoroalkyl Compounds